Final Design Report - (Phase 1)

Date:	October 21, 2026
Client:	Enstructure DCT LLC/DSPC - a Walsh/SBI JV in contract with Enstructure
Project name:	Delaware Container Terminal Edgemoor Planning & OR Support
State Permit No.	HW31B04
US EPA ID No.	DED000800284
Project no:	T2484300b
Attention:	Katie Faulkner
Company:	State of Delaware Department of Natural Resources and Environmental Control - Remediation Section
Prepared by:	Jacobs On behalf of: Diamond State Port Corporation (DPSC)
Document no:	Design Report_001
Revision no:	0 - July 20, 2026 1 - September 28, 2026 2 -October 21, 2026
Copies to:	Walsh: Brian Midlick and Andrew Saunders Enstructure: Diego Lopez and John Reece DSPC: Brian Devine

Jacobs Engineering Group Inc.

Two Commerce Square
2001 Market Street
9th Floor , Suite 900
Philadelphia, PA 19103

T +1.215.569.2900
F +1.215.569.5963
www.jacobs.com

Certification

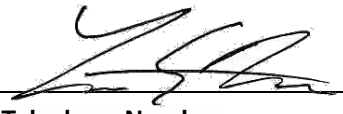
This Final Design Report (Phase 1) has been prepared by or under the responsible supervision, direction, or control of the Delaware-licensed Professional engineer whose signature and seal appears below.

Approval

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.

Professional Signatures and Seals

Professional Engineer	Engineer License Number	Expiration Date
Louis Kaminski	Delaware-33200	6/30/2028

Signature	Date
	**10/21/2026**

Telephone Number	FAX Number	E-mail
646-908-6835	n/a	Louis.kaminski@jacobs.com

Document: Final Design Report (Phase 1)



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I. Introduction

This document has been prepared on behalf of Enstructure DCT LLC and in accordance with Section II.G.2.(b) of the Permit for Corrective Action, issued by the State of Delaware, Department of Natural Resources and Environmental Control (DNREC) to Diamond State Port Corporation (DSPC) on April 29, 2021 (State Permit Number HW31B04).

A Corrective Measures Implementation (CMI) Work Plan was submitted to DNREC for review and comments in February 2026, and subsequent comments were responded to and resubmitted in April 2026. Following submittal and approval of the CMI Work Plan, according to the requirements of the Final Decision and Response to Comment (FDRTC), a Design Report must be submitted to DNREC for review and approval.

This design report presents only Phase 1 (partial build) construction activities at the site. An additional design report and permit modification will be submitted for Phase 2 at a later date, which will include an asphalt cap covering the majority of the site and will meet the final requirements of the FDRTC. The appendices, and construction figures and documentation were developed to a level that they could be implemented on a construction ready level.

1.1 Site Background

The Site consists of two tax parcels located along Hay Road in Wilmington, Delaware:

1. Tax Parcel Number (No.) 06-153.00-006 (113.29 acres)
2. Tax Parcel No. 06-153.00-003 (1.86 acres)

Both tax parcels are regulated under the Resource Conservation and Recovery Act's (RCRA) Facility Program, as administered by DNREC. The smaller parcel was previously part of the DNREC-RS's Voluntary Cleanup Program, identified as Program Identification (ID) No. DE- 1489, but was transferred to DNREC's RCRA Program on May 7, 2015. Both parcels are now identified as part of the Former DuPont Edge Moor RCRA Facility with U.S. Environmental Protection Agency (EPA) ID No. DED000800284. A Post-Closure Care Plan (PCCP) (PCCP State Permit No. HW31B04) is in place for four surface impoundments on the larger tax parcel, identified as RCRA Solid Waste Management Unit (SWMU) 6A, 6B, 6C, and 6D (identified as Zone 1A in the CMI Work Plan). Permit HW31B04 is a combined permit that requires both corrective action (as outlined in the CMI Work Plan), and Post-Closure Care for the site. The site is divided into zones based on potential risks to human health and the environment as shown in Figure 1. Zone 1/1 A include SWMUs that require further action or may contain waste. Zone 1A includes RCRA Solid Waste Management Unit (SWMU) 6A, 6B, 6C, and 6D. Zone 1 includes SWMUs 1 (surface water), 4, 5, and 20). Zone 1 is regulated by the Title 40 Code of Federal Regulations (CFR) 1910.120(a)(1)(ii), Hazardous Waste Operations and Emergency Response (HAZWOPER), per the Occupational Safety and Health Administration (OSHA) and the Delaware Hazardous Waste Regulations, Title 7 of the Delaware Administrative Code, Section 1302, as administered by DNREC Division of Waste and Hazardous Substances. DNREC Remediation Section-RCRA Corrective Action Group oversees corrective actions and post-closure activities at the site.

As illustrated in Figure 1, Zone 2 includes areas determined to have acceptable risk which includes all other SWMUs at the site that are outside the bounds of Zone 1/1 A. SWMUs located in Zone 1 include SWMU 20, 4 and 5. Zone 1A includes SWMUs 6A, 6B, 6C, and 6D. If Zone 2 materials are found to be impacted based on the criteria specified in Section 2.4 of this report, areas within Zone 2 will be managed and regulated in the same manner as Zone 1.

The larger parcel contains the former Chemours Edgemoor Plant, which operated as a pigment manufacturing facility from 1931 until 2016, and produced titanium dioxide, titanium tetrachloride, and ferric chloride (Jacobs, 2026). The EPA conducted a RCRA Facility Assessment (RFA) beginning in 1986 which resulted in the establishment of a total of 29 RCRA SWMUs in addition to Zone 1A (SWMU 6A-D) (Figure 1). Per the Final Decision, certain SWMUs have been investigated and identified to have acceptable risk, while others require management in accordance with this Plan. The CMI Work Plan groups SWMUs in zones, per the status described in the Final Decision. However, excavation and subsurface work within any SWMU should proceed with caution and appropriate contingency planning. Areas outside the SWMUs have not been investigated, and conditions are unknown. Excavation and subsurface work at the Site are to proceed with continuous monitoring for environmental conditions of concern.

The smaller, 1,86-acre parcel, contains a portion of the former Holland Mulch Site (HMS). The HMS was once part of an oil recycling facility. Manufacturing activities are not known to have occurred on this parcel (Jacobs, 2026). Based on previous investigations of this parcel, anticipated environmental conditions of concern are soil impacted by benzo(a)pyrene and arsenic, as well as groundwater impacted by trichloroethylene. The HMS site is not part of current plans for Site redevelopment (other than use for parking/temporary trailer office space), and no soil-disturbing activities are anticipated.

Figure 1 . Active SWMUs



1.2 Site Objectives

The Design Report addresses the upcoming Phase 1 redevelopment at the Delaware Container Terminal (DCT). Specifically, through construction and redevelopment activities, the site will be paved with asphalt. Development will occur in two Phases, with Phase 1 redevelopment being addressed under these current plans. The proposed redevelopment of the site will account for removal and grading of existing portions of

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During Phase 1 redevelopment, SWMU 20 will be disturbed, and SWMUs 4 and 5 will only be partially disturbed. These SWMUs received NFAs with acceptable risk, but may contain wastes that may not be appropriate for reuse onsite and will be handled as stated in the EMHCP, as well as the Sampling and Analysis Plan provided in the CMIWP for Phase 1. SWMU 1 will be only partially disturbed during Phase 1, is awaiting an NFA, and will be handled per the EMHCP and a separate 2022 DNREC-approved Sampling and Analysis Plan. Phase 1 development plans will not encroach into SWMU 2 (Zone 2) or SWMU 6 (Zone 1A),SWMU 2 is awaiting an NFA.

During Phase 2 redevelopment it is anticipated that SWMUs 1, 2, and RCRA SWMUs 6A-D are to be disturbed. Management of these materials will be addressed in a future submittal of an updated EMHCP and RCRA Permit Modification for Phase 2 development.

2. Design Requirements and Components

2.1 Construction Schedule

The construction schedule presented in Appendix A provides a general outline for the Phase 1 construction buildout at the site. The construction schedule outlines the tasks required prior to paving activities take place, including aboveground structure removal and earthworks and site grading. . The placement of asphalt on the site during Phase 1 development is expected to occur in mid to late 2027. The proposed construction schedule accounts for work to occur in Phase 1 development only.

2.2 Quality Control

Asphalt design specifications and repair methods were prepared in accordance with the American Association of State Highway and Transportation Officials (AASHTO), Asphalt Institute (AI), ASTM International (ASTM), and the State of Delaware standard specifications for road and bridge construction. The asphalt quality control is presented in Appendix B, which details the specifications and requirements for the asphalt cover, as well as maintenance requirements. Post site grading and earthworks at the site, asphalt paving will commence as detailed in the specifications.

Earthworks/Design Layout Plans Appendix C details the specific design requirements for the asphalt cap on the site as well as current Phase 1 layout of the facility and future Phase 2 final layout of the facility. The asphalt pavement drawings and plans will be utilized in accordance with the requirements detailed in the asphalt specification requirements for the site. The expected acreage extent of paving that will be completed in Phase 1 is approximately 53.22 acres, which covers 46% of the site. (The total acreage of the site is 115.15 acres)

A small portion of the asphalt in Phase 1 will be temporary asphalt, which will be removed and replaced with heavy, medium or light duty asphalt during Phase 2 future development. Approximately 4.56 (0.4% of the total site) acres of temporary asphalt will be paved in Phase 1 development and will be replaced with heavy and medium duty asphalt during Phase 2 future development. The total acreage of final pavement cover, as indicated below, is reflective of final asphalt cover, as the temporary asphalt will be removed and replaced with heavy and medium duty asphalt during Phase 2. The FDRTC remedy of 80% of the site being paved will be exceeded in Phase 2, with a total of 102.38 acres (89% of the site being paved).

2.3 Project Health Safety and Environmental Plan (PHSEP)

Walsh Construction Company II, LLC will be responsible for on-site management of equipment, personnel and development during Phase 1 operations at the DCT. The Site-Specific Safety Plan (SSSP), Appendix D, was developed in accordance with the OSHA requirements under 29 Code of Federal Regulations (CFR) 1910, General Industry and 1926 Construction Industry Standards, as well as in accordance with the requirements for levels of personal protection detailed in the EMHCP.

2.4 Excavation and Materials Handling Contingency Plan (EMHCP)

The EMHCP in Appendix E provides environmental guidance for excavation activities, work in the subsurface environment, and guidance on the handling of excavated materials during the development of

requirements based on reported results. If no substantial differences are identified and no waste is present, SWMUs can be backfilled with excavated materials.

Excavation work in Zone 2 is anticipated to have low potential of encountering regulated substances at concentrations that are of potential human health or environmental concern. Materials excavated in Zone 2 will remain onsite and be used as fill near the Location and within the zone they are excavated from unless screening indicates the potential for regulated substances to be present in the soils at concentrations of concern or the material appears to be environmentally impacted. Excavation work is not anticipated to occur within the groundwater table (Zone 3) during Phase 1 of Site excavation and grading activities.

2.5 Cost Estimate

The Cost Estimate is prepared in accordance with Delaware Administrative Code, Title 7, Section 1302, Part 264 and 265, and provided in Appendix F. The cost estimate details the costs of asphalt inspection, reporting of inspections, and anticipated repair to the asphalt over the period of operations at the site. The cost estimate also provides a summary of the current groundwater monitoring and post closure requirements for SWMU 6A-D.

2.6 Post Closure Care Plan (PCCP)

The PCCP (Appendix G) has been revised, in the application submittal to DNREC, to include updated requirements for the semi-annual inspection and required maintenance of the asphalt cap on the site for Phase 1 development only. The proposed Phase 2 work, that will occur in the future, will take place only after a permit modification and updates to the PCCP, for that specific work, have been submitted and approved by DNREC.

2.7 List of Appendices

1. Appendix A - Construction Schedule
2. Appendix B - Quality Control
3. Appendix C - Earthworks/Design Layout Plans
4. Appendix D - PHSEP
5. Appendix E - EHMCP
6. Appendix F - Cost Estimate
7. Appendix G - PCCP

2.8 References

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's). 2021. *Final Statement of Basis.* April 29.

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's). 2021. *Final Decision and Response to Comments (FDRTC).* April 29.

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's) 2021. *Permit for Corrective Action and Post-Closure Care -PCCP State Permit No. HW31B04.* April 29.

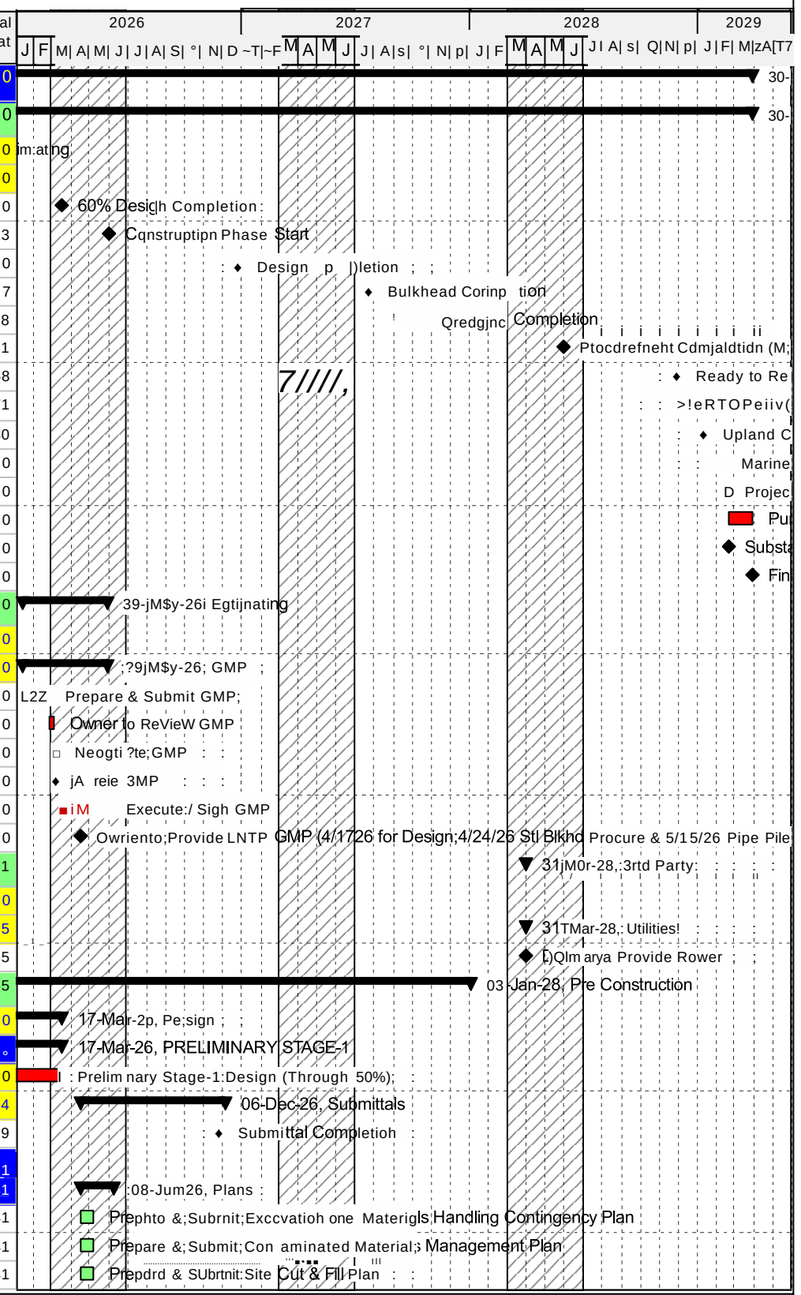
Jacobs. 2026. *Corrective Measures Implementation Work Plan.* (Revised September 2026).

Jacobs. 2026. *Excavation and Materials Handling and Contingency Plan (EMHCP).* (Revised April 2026).

Jacobs. 2026. *Post Closure Care Plan (PCCP) - Addendum 1, Revised Monitoring and Maintenance Plan, Closed Surface Impoundments.* (Revised April 2026 from DuPont's 2010 PCCP Addendum 1).

Appendix A - Construction Schedule

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Enstructure - Port Delaware - Baseline Design / Build Contract Schedule V11.0 BL		1027	23-Apr-25	30-Mar-29	0
Milestones		1027	23-Apr-25	30-Mar-29	0
EM-KM-1000	LNTP Design & Estimating	0	23-Apr-25		0
EM-KM-1030	Design Start	0	23-Apr-25		0
EM-KM-1210	60% Design Completion	0		17-Mar-26*	0
EM-KM-1040	Construction Phase Start	0	02-Jun-26		23
EM-KM-1020	Design Completion	0		30-Dec-26*	0
EM-KM-1100	Bulkhead Completion	0		29-Jul-27	7
EM-KM-1080	Dredging Completion	0		21-Oct-27	138
EM-KM-1230	Procurement Completion (Marine + Upland)	0		01-Jun-28	221
EM-KM-1010	Ready to Receive STS Cranes / Delivery (by boat) (Q3 2028)	0		05-Dec-28	58
EM-KM-1011	eRTG Delivery (by boat) (End of 2028)	0		11-Dec-28	71
EM-KM-1120	Upland Completion	0		16-Jan-29	30
EM-KM-1090	Marine Completion	0		16-Feb-29	0
EM-KM-1130	Project Final Performance Testing / Start Up Commissioning	5	16-Feb-29	21-Feb-29	0
EM-KM-1050	Punchlist	37	21-Feb-29	30-Mar-29	0
EM-KM-1070	Substantial Completion	0		21-Feb-29	0
EM-KM-1060	Final Completion	0		30-Mar-29*	0
Estimating		98	14-Jan-26	29-May-26	0
Early Works		0			0
GMP		95	14-Jan-26	29-May-26	0
EM-EST-1000	Prepare & Submit GMP	30	14-Jan-26	25-Feb-26	0
EM-EST-1010	Owner to Review GMP	5	26-Feb-26	04-Mar-26	0
EM-EST-1020	Neogtiate GMP	7	05-Mar-26	13-Mar-26	0
EM-EST-1030	Agree GMP	0		13-Mar-26	0
EM-EST-1040	Execute / Sign GMP	53	16-Mar-26	29-May-26	0
EM-EST-1050	Owner to Provide LNTP GMP (4/1726 for Design;4/24/26 Stl Blkhd Procure & 5/15/26 Pipe Pile Proc) & 6/1/26 Star	0	17-Apr-26		0
3rd Party		0	31-Mar-28	31-Mar-28	131
Permits		0			0
Utilities		0	31-Mar-28	31-Mar-28	185
EM-KM-1110	Delmarva Provide Power	0		31-Mar-28*	185
Pre Construction		704	23-Apr-25	03-Jan-28	265
Design		329	23-Apr-25	17-Mar-26	0
PRELIMINARY STAGE-1		329	23-Apr-25	17-Mar-26	0
A7290	Preliminary Stage-1 Design (Through 60%)	329	23-Apr-25	17-Mar-26	0
Submittals		166	17-Apr-26	06-Dec-26	544
EM-KM-1220	Submittal Completion	0		01-Dec-26	509
Administrative		0			1
Plans		36	17-Apr-26	08Jun-26	41
EM-SUB-1040	Prepare & Submit Excavation and Materials Handling Contingency Plan	15	17-Apr-26	07-May-26	41
EM-SUB-1050	Prepare & Submit Contaminated Materials Management Plan	15	17-Apr-26	07-May-26	41
EM-SUB-1060	Prepare & Submit Site Cut & Fill Plan	15	17-Apr-26	07-May-26	41



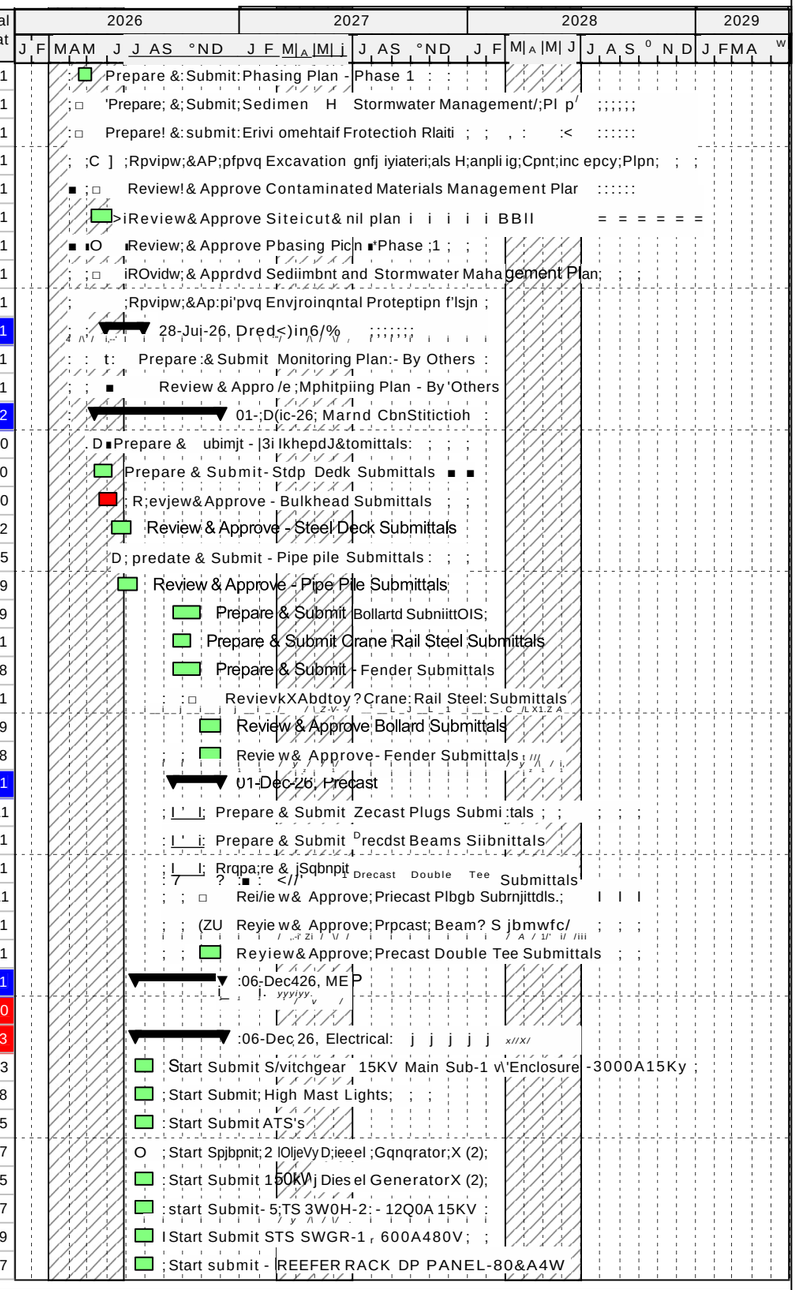
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-SUB-1070	Prepare & Submit Phasing Plan - Phase 1	15	17-Apr-26	07-May-26	41
EM-SUB-1090	Prepare & Submit Sediment and Stormwater Management Plan	15	17-Apr-26	07-May-26	41
EM-SUB-1100	Prepare & Submit Enviromental Protection Plan	15	17-Apr-26	07-May-26	41
EM-SUB-1110	Review & Approve Excavation and Materials Handling Contingency Plan	21	08-May-26	08-Jun-26	41
EM-SUB-1120	Review & Approve Contaminated Materials Management Plan	21	08-May-26	08-Jun-26	41
EM-SUB-1130	Review & Approve Site Cut & Fill Plan	21	08-May-26	08-Jun-26	41
EM-SUB-1140	Review & Approve Phasing Plan - Phase 1	21	08-May-26	08-Jun-26	41
EM-SUB-1160	Review & Approve Sediment and Stormwater Management Plan	21	08-May-26	08-Jun-26	41
EM-SUB-1170	Review & Approve Enviromental Protection Plan	21	08-May-26	08-Jun-26	41
Dredging		41	29-May-26	28-Jul-26	281
EM-SUB-1180	Prepare & Submit Monitoring Plan - By Others	20	29-May-26	26-Jun-26	281
EM-SUB-1220	Review & Approve Monitoring Plan - By Others	21	29-Jun-26	28-Jul-26	281
Marine Construction		137	12-May-26	01-Dec-26	252
EM-SUB-1280	Prepare & Submit - Bulkhead Submittals	5	12-May-26	18-May-26	0
EM-SUB-1300	Prepare & Submit - Steel Deck Submittals	20	12-May-26	09-Jun-26	30
EM-SUB-1330	Review & Approve - Bulkhead Submittals	21	19-May-26	17-Jun-26	0
EM-SUB-1350	Review & Approve - Steel Deck Submittals	21	10-Jun-26	10Jul-26	32
EM-SUB-1290	Prepare & Submit - Pipe Pile Submittals	5	11-Jun-26	17-Jun-26	5
EM-SUB-1340	Review & Approve - Pipe Pile Submittals	21	18-Jun-26	20Jul-26	89
EM-SUB-1440	Prepare & Submit Bollard Submittals	30	16-Sep-26	27-Oct-26	249
EM-SUB-1450	Prepare & Submit Crane Rail Steel Submittals	21	16-Sep-26	14-Oct-26	261
EM-SUB-1460	Prepare & Submit - Fender Submittals	30	16-Sep-26	27-Oct-26	248
EM-SUB-1490	Review & Approve Crane Rail Steel Submittals	21	15-Oct-26	13-Nov-26	261
EM-SUB-1480	Review & Approve Bollard Submittals	21	28-Oct-26	01-Dec-26	249
EM-SUB-1500	Review & Approve - Fender Submittals	21	28-Oct-26	01-Dec-26	248
Precast		51	16-Sep-26	01-Dec-26	41
EM-SUB-1010	Prepare & Submit Precast Plugs Submittals	30	16-Sep-26	27-Oct-26	11
EM-SUB-1020	Prepare & Submit Precast Beams Submittals	30	16-Sep-26	27-Oct-26	41
EM-SUB-1030	Prepare & Submit Precast Double Tee Submittals	30	16-Sep-26	27-Oct-26	41
EM-SUB-1190	Review & Approve Precast Plugs Submittals	21	28-Oct-26	01-Dec-26	11
EM-SUB-1200	Review & Approve Precast Beams Submittals	21	28-Oct-26	01-Dec-26	41
EM-SUB-1210	Review & Approve Precast Double Tee Submittals	21	28-Oct-26	01-Dec-26	41
MEP		101	17-Jul-26	06-Dec-26	431
Mechanical		0			0
Electrical		143	17-Jul-26	06-Dec-26	603
RD1201	Start Submit Switchgear - 15KV Main Sub-1 w/Enclosure - 3000A15KV	29	17-Jul-26	14-Aug-26	113
RD1231	Start Submit High Mast Lights	29	17-Jul-26	14-Aug-26	688
RD1261	Start Submit ATS's	29	17-Jul-26	14-Aug-26	335
RD1291	Start Submit 200kW Diesel Generator X (2)	29	17-Jul-26	14-Aug-26	417
RD1321	Start Submit 150kW Diesel Generator X (2)	29	17-Jul-26	14-Aug-26	385
RD1351	Start Submit- STS SWGR-2 - 1200A 15KV	29	17-Jul-26	14-Aug-26	277
RD1381	Start Submit STS SWGR-1 - 600A480V	29	17-Jul-26	14-Aug-26	249
RD1411	Start Submit - REEFER RACK DP PANEL-800A480V	29	17-Jul-26	14-Aug-26	557



Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

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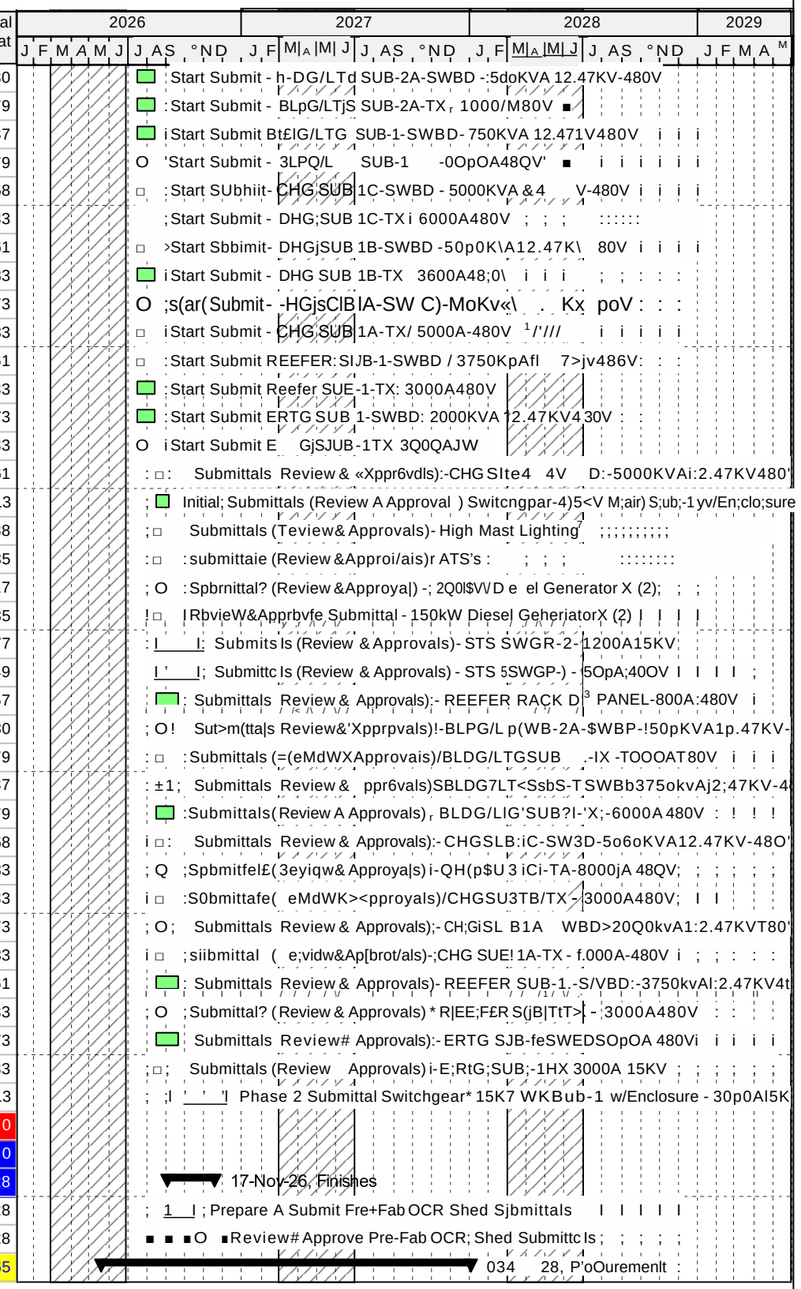
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
RD1441	Start Submit - BLDG/LTG SUB-2A-SWBD - 500KVA 12.47KV-480V	29	17-Jul-26	14-Aug-26	380
RD1471	Start Submit - BLDG/LTG SUB-2A-TX - 1000A-480V	29	17-Jul-26	14-Aug-26	479
RD1501	Start Submit BLDG/LTG SUB-1-SWBD - 750KVA 12.47KV480V	29	17-Jul-26	14-Aug-26	437
RD1531	Start Submit - BLDG/LTG SUB-1-TX - 6000A 480V	29	17-Jul-26	14-Aug-26	479
RD1561	Start Submit - CHG SUB 1C-SWBD - 5000KVA 12.47KV-480V	29	17-Jul-26	14-Aug-26	358
RD1591	Start Submit - CHG SUB 1C-TX - 6000A480V	29	17-Jul-26	14-Aug-26	333
RD1621	Start Submit - CHG SUB 1B-SWBD - 5000KVA 12.47KV480V	29	17-Jul-26	14-Aug-26	361
RD1651	Start Submit - CHG SUB 1B-TX - 3000A480V	29	17-Jul-26	14-Aug-26	333
RD1681	Start Submit - CHG SUB 1A-SWBD - 2000KVA 12.47KV480V	29	17-Jul-26	14-Aug-26	373
RD1711	Start Submit - CHG SUB 1A-TX - 5000A-480V	29	17-Jul-26	14-Aug-26	333
RD1741	Start Submit REEFER SUB-1-SWBD - 3750KVA 12.47KV480V	29	17-Jul-26	14-Aug-26	361
RD1771	Start Submit Reefer SUB-1-TX: 3000A480V	29	17-Jul-26	14-Aug-26	333
RD1801	Start Submit ERTG SUB-1-SWBD: 2000KVA 12.47KV-480V	29	17-Jul-26	14-Aug-26	373
RD1831	Start Submit ERTG SUB -1-TX 3000A15KV	29	17-Jul-26	14-Aug-26	333
ES1620	Submittals (Review & Approvals) - CHG SUB 1B-SWBD - 5000KVA 12.47KV480V	36	15-Aug-26	19-Sep-26	361
RD1200	Initial Submittals (Review# Approvals) Switchgear - 15KV Main Sub-1 w/Enclosure - 3000A15KV	21	15-Aug-26	04-Sep-26	113
RD1230	Submittals (Review# Approvals) - High Mast Lighting	29	15-Aug-26	12-Sep-26	688
RD1260	Submittals (Review & Approvals) - ATS's	29	15-Aug-26	12-Sep-26	335
RD1290	Submittals (Review# Approval) - 200kW Diesel Generator X (2)	29	15-Aug-26	12-Sep-26	417
RD1320	Review# Approve Submittal - 150kW Diesel Generator X (2)	29	15-Aug-26	12-Sep-26	385
RD1350	Submittals (Review & Approvals) - STS SWGR-2 - 1200A 15KV	71	15-Aug-26	24-Oct-26	277
RD1380	Submittals (Review & Approvals) - STS SWGR-1 - 600A 480V	71	15-Aug-26	24-Oct-26	249
RD1410	Submittals (Review# Approvals) - REEFER RACK DP PANEL-800A 480V	36	15-Aug-26	19-Sep-26	557
RD1440	Submittals (Review & Approvals) - BLDG/LTG SUB-2A-SWBD - 500KVA 12.47KV-480V	36	15-Aug-26	19-Sep-26	380
RD1470	Submittals (Review# Approvals) - BLDG/LTG SUB-2A-TX - 1000A480V	29	15-Aug-26	12-Sep-26	479
RD1500	Submittals (Review# Approvals)- BLDG/LTG SUB-1-SWBD -750KVA12.47KV-480V	36	15-Aug-26	19-Sep-26	437
RD1530	Submittals (Review# Approvals) - BLDG/LTG SUB-1-TX -60 00A480V	29	15-Aug-26	12-Sep-26	479
RD1560	Submittals (Review# Approvals) - CHG SUB 1C-SWBD - 5000KVA 12.47KV480V	36	15-Aug-26	19-Sep-26	358
RD1590	Submittals (Review & Approvals) - CHG SUB 1C-TX - 6000A 480V	29	15-Aug-26	12-Sep-26	333
RD1650	Submittals (Review# Approvals)- CHG SUB 1B-TX-3000A 480V	29	15-Aug-26	12-Sep-26	333
RD1680	Submittals (Review & Approvals) - CHG SUB 1A-SWBD - 2000KVA 12.47KV480V	36	15-Aug-26	19-Sep-26	373
RD1710	Submittals (Review & Approvals)- CHG SUB 1A-TX - 5000A-480V	29	15-Aug-26	12-Sep-26	333
RD1740	Submittals (Review# Approvals) - REEFER SUB-1-SWBD - 3750KVA 12.47KV-480V	36	15-Aug-26	19-Sep-26	361
RD1770	Submittals (Review & Approvals) - REEFER SUB-1-TX - 3000A 480V	29	15-Aug-26	12-Sep-26	333
RD1800	Submittals (Review# Approvals) - ERTG SUB-1-SWBD 3000A480V	36	15-Aug-26	19-Sep-26	373
RD1830	Submittals (Review# Approvals)- ERTG SUB -1-TX 3000A 15KV	29	15-Aug-26	12-Sep-26	333
RD1202	Phase 2 Submittal Switchgear - 15KV Main Sub-1 w/Enclosure - 3000A15KV	93	05-Sep-26	06-Dec-26	113
Plumbing		0			0
Structural		0			0
Finishes		51	04-Sep-26	17-Nov-26	228
EM-SUB-1360	Prepare & Submit Pre-Fab OCR Shed Submittals	30	04-Sep-26	16-Oct-26	228
EM-SUB-1470	Review# Approve Pre-Fab OCR Shed Submittals	21	19-Oct-26	17-Nov-26	228
Procurement		425	19-May-26	03-Jan-28	265



Actual Work
Remaining Work
Critical Remaining Work
Summary
Milestone

TASK filter: All Activities

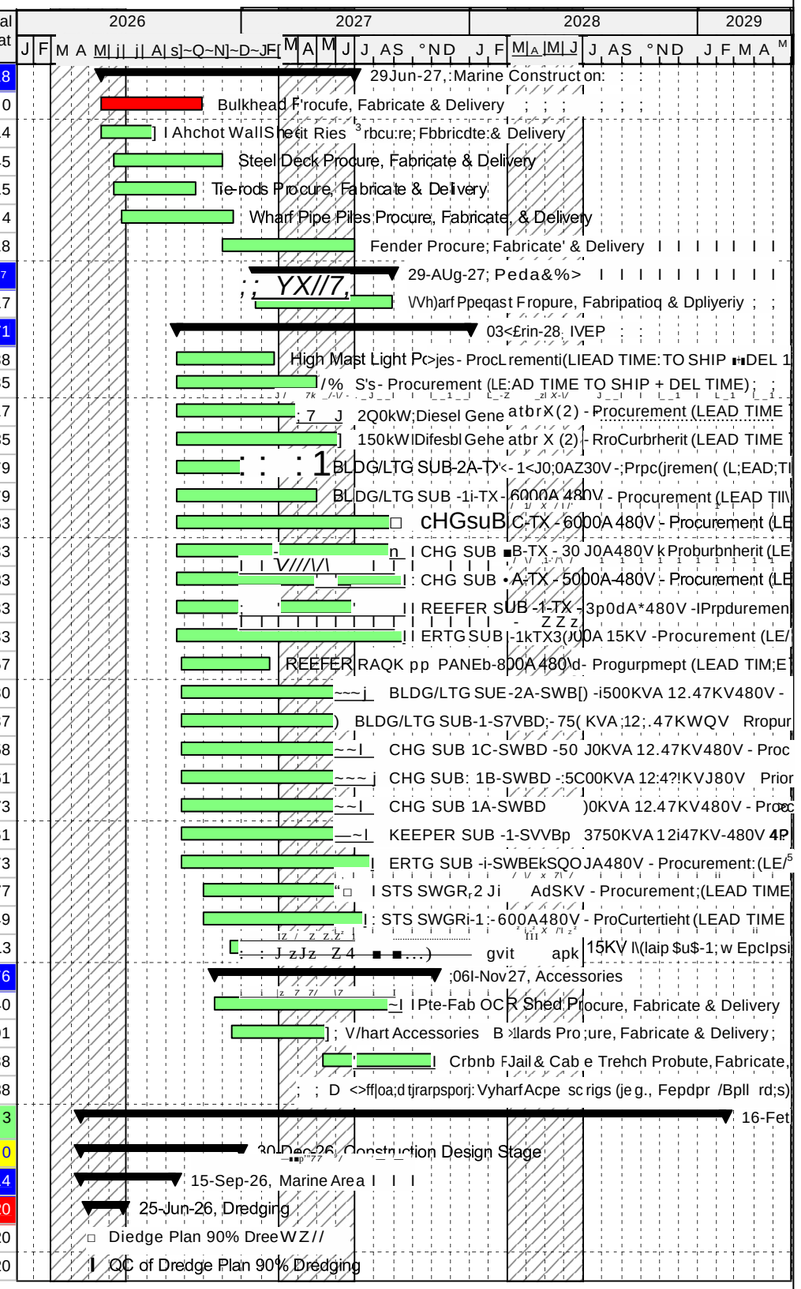
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Marine Construction		406	19-May-26	29Jun-27	518
EM-MC-CON-1000	Bulkhead Procure, Fabricate & Delivery	162	19-May-26	28-Oct-26	0
EM-MC-CON-1350	Anchor Wai Sheet Ries Procure, Fabricate & Deivery	90	19-May-26	17-Aug-26	14
EM-MC-CON-1010	Steel Deck Procure, Fabricate & Delivery	175	09-Jun-26	01-Dec-26	45
EM-MC-CON-1390	Tie-rods Procure, Fabricate & Delivery	131	09-Jun-26	18-Oct-26	15
EM-MC-CON-1020	Wharf Pipe Piles Procure, Fabricate, & Delivery	179	22-Jun-26	18-Dec-26	4
EM-MC-CON-1360	Fender Procure, Fabricate, & Delivery	210	01-Dec-26	29-Jun-27	518
Precast		220	21-Jan-27	29-Aug-27	17
EM-MC-CON-1510	Wharf Precast Procure, Fabrication & Delivery	220	21-Jan-27	29-Aug-27	17
MEP		472	19-Sep-26	03-Jan-28	371
RD1250	High Mast Light Poles - Procurement (LEAD TIME TO SHIP + DEL TIME)	155	19-Sep-26	20-Feb-27	688
RD1280	ATS's - Procurement (LEAD TIME TO SHIP + DEL TIME)	224	19-Sep-26	30-Apr-27	335
RD1310	200kW Diesel Generator X (2) - Procurement (LEAD TIME TO SHIP + DEL TIME)	264	19-Sep-26	09-Jun-27	417
RD1340	150kW Diesel Generator X (2) - Procurement (LEAD TIME TO SHIP + DEL TIME)	264	19-Sep-26	09-Jun-27	385
RD1490	BLDG/LTG SUB-2A-TX - 1000A480V - Procurement (LEAD TIME TO SHIP+ DEL TIME)	224	19-Sep-26	30-Apr-27	479
RD1550	BLDG/LTG SUB -1-TX - 6000A 480V - Procurement (LEAD TIME TO SHIP - DEL TIME)	224	19-Sep-26	30-Apr-27	479
RD1610	CHG SUB 1C-TX - 6000A 480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	365	19-Sep-26	18-Sep-27	333
RD1670	CHG SUB 1B-TX - 3000A480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	365	19-Sep-26	18-Sep-27	333
RD1730	CHG SUB 1A-TX - 5000AZ80V - Procurement (LEAD TIME TO SHIP + DEL TIME)	365	19-Sep-26	18-Sep-27	333
RD1790	REEFER SUB -1-TX - 3000A-480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	365	19-Sep-26	18-Sep-27	333
RD1850	ERTG SUB -1-TX 3000A 15KV - Procurement (LEAD TIME TO SHIP + DEL TIME)	365	19-Sep-26	18-Sep-27	333
RD1430	REEFER RACK DP PANEL-800A 480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	141	26-Sep-26	13-Feb-27	557
RD1460	BLDG/LTG SUB-2A-SWBD - 500KVA 12.47KV-480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31Jul-27	380
RD1520	BLDG/LTG SUB-1-SWBD - 750KVA 12.47KV-480V - Procurement (LEAD TIME TO SHIP - DEL TIME)	252	26-Sep-26	04-Jun-27	437
RD1580	CHG SUB 1C-SWBD - 5000KVA 12.47KV-480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31-Jul-27	358
RD1640	CHG SUB 1B-SWBD - 5000KVA 12.47KV480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31Jul-27	361
RD1700	CHG SUB 1A-SWBD -2000KVA 12.47KV-480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31-Jul-27	373
RD1760	REEFER SUB -1-SWBD - 3750KVA 12.47KV-480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31Jul-27	361
RD1820	ERTG SUB -1-SWBD 3000A 480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	309	26-Sep-26	31-Jul-27	373
RD1370	STS SWGR-2 -1200A 15KV - Procurement (LEAD TIME TO SHIP + DEL TIME)	260	31-Oct-26	17Jul-27	277
RD1400	STS SWGR-1 - 600A480V - Procurement (LEAD TIME TO SHIP + DEL TIME)	260	31-Oct-26	17Jul-27	249
RD1220	Switchgear - 15KV Main Sub-1 w/Enclosure - 3000A15KV (LEAD TIME TO SHIP + DEL TIME)	387	13-Dec-26	03-Jan-28	113
Accessories		253	17-Nov-26	06-Nov-27	276
EM-MC-CON-1520	Pre-Fab OCR Shed Procure, Fabricate & Delivery	300	17-Nov-26	13-Sep-27	340
EM-MC-CON-1480	Wharf Accessories - Bollards Procure, Fabricate & Delivery	158	14-Dec-26	21-May-27	501
EM-MC-CON-1590	Crane Rail & Cable Trench Procure, Fabricate, & Delivery	180	10-May-27	06-Nov-27	388
EM-MC-CON-1540	Offload transport Wharf Accessories (e.g., Fenders/Bollards)	5	24-May-27	28-May-27	338
Construction		740	17-Apr-26	16-Feb-29	3
Construction Design Stage		184	17-Apr-26	30-Dec-26	0
Marine Area		108	17-Apr-26	15-Sep-26	14
Dredging		39	30-Apr-26	25Jun-26	20
EM-DSN-2320	Dredge Plan 90% Dredging	7	30-Apr-26	08-May-26	20
EM-DSN-2390	QC of Dredge Plan 90% Dredging	4	05-May-26	08-May-26	20

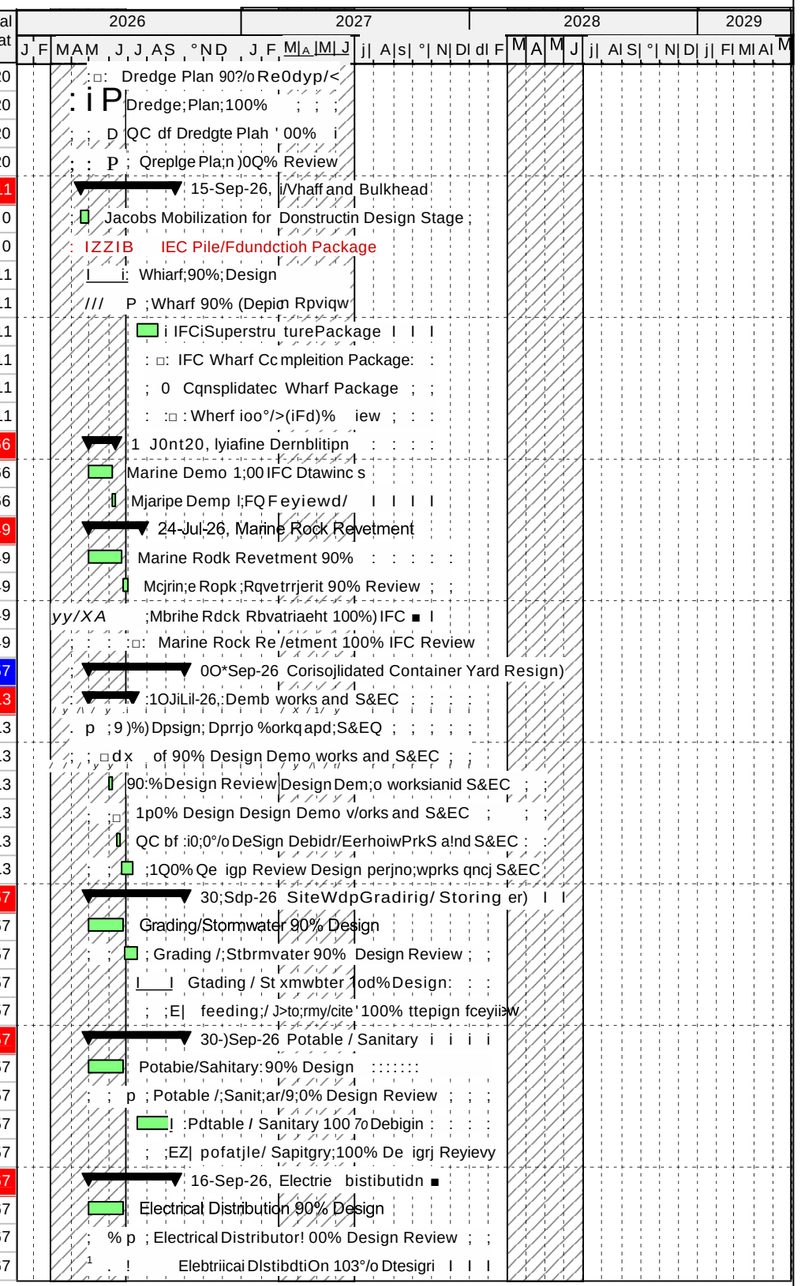


Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-DSN-2410	Dredge Plan 90%> Review	13	11-May-26	28-May-26	20
EM-DSN-2450	Dredge Plan 100%	9	26-May-26	05-Jun-26	20
EM-DSN-2460	QC of Dredge Plan 100%	4	02-Jun-26	05Jun-26	20
EM-DSN-2480	Dredge Plan 100% Review	13	08-Jun-26	25-Jun-26	20
Wharf and Bulkhead		108	17-Apr-26	15-Sep-26	11
EM-DSN-2840	Jacobs Mobilization for Constructin Design Stage	13	17-Apr-26	29-Apr-26	0
EM-DSN-2700	IFC Pile/Foundation Package	64	28-Apr-26	29-Jul-26	0
EM-DSN-2430	Wharf 90%o Design	39	30-Apr-26	25-Jun-26	11
EM-DSN-2660	Wharf 90%) Design Review	13	26-Jun-26	15Jul-26	11
EM-DSN-2730	IFC Superstructure Package	24	16-Jul-26	19-Aug-26	11
EM-DSN-2800	IFC Wharf Completion Package	5	20-Aug-26	26-Aug-26	11
EM-DSN-2820	Consolidated Wharf Package	5	27-Aug-26	02-Sep-26	11
EM-DSN-2830	Wharf 100% (IFC) Review	8	03-Sep-26	15-Sep-26	11
Marine Demolition		44	30-Apr-26	12Jun-26	66
A7300	Marine Demo 100 IFC Drawings	37	30-Apr-26	05-Jun-26	66
A7310	Marine Demo IFC Review	7	06-Jun-26	12-Jun-26	66
Marine Rock Revetment		59	30-Apr-26	24Jul-26	49
A7320	Marine Rock Revetment 90%	36	30-Apr-26	22-Jun-26	49
A7330	Marine Rock Revetment 90% Review	8	23-Jun-26	02Jul-26	49
A7340	Marine Rock Revetment 100%o IFC	5	06-Jul-26	10Jul-26	49
A7350	Marine Rock Revetment 100% IFC Review	10	13-Jul-26	24-Jul-26	49
Consolidated Container Yard Design		105	30-Apr-26	30-Sep-26	57
Demo works and S&EC		49	30-Apr-26	10Jul-26	113
EM-DSN-2330	90% Design Demo works and S&EC	12	30-Apr-26	15-May-26	113
EM-DSN-2400	QC of 90%o Design Demo works and S&EC	7	20-May-26	29-May-26	113
EM-DSN-2440	90%> Design Review Design Demo works and S&EC	5	01-Jun-26	05-Jun-26	113
EM-DSN-2470	100% Design Design Demo works and S&EC	9	08-Jun-26	18Jun-26	113
EM-DSN-2540	QC of 100%o Design Design Demo works and S&EC	4	15-Jun-26	18-Jun-26	113
EM-DSN-2560	100% Design Review Design Demo works and S&EC	14	22-Jun-26	W-Jul-26	113
Site Work (Grading / Stormwater)		105	30-Apr-26	30-Sep-26	57
EM-DSN-2350	Grading/Stormwater 90%> Design	39	30-Apr-26	25-Jun-26	57
EM-DSN-2550	Grading / Stormwater 90%o Design Review	14	26-Jun-26	16Jul-26	57
EM-DSN-2650	Grading / Stormwater 100% Design	37	17-Jul-26	09-Sep-26	57
EM-DSN-2790	Grading / Stormwater 100%o Design Review	15	10-Sep-26	30-Sep-26	57
Potable / Sanitary		105	30-Apr-26	30-Sep-26	57
EM-DSN-2290	Potable/Sanitary 90%> Design	39	30-Apr-26	25-Jun-26	57
EM-DSN-2490	Potable / Sanitary 90%> Design Review	14	26-Jun-26	16Jul-26	57
EM-DSN-2580	Potable / Sanitary 100% Design	37	17-Jul-26	09-Sep-26	57
EM-DSN-2760	Potable / Sanitary 100% Design Review	15	10-Sep-26	30-Sep-26	57
Electrical Distibution		95	30-Apr-26	16-Sep-26	67
EM-DSN-2340	Electrical Distribution 90% Design	39	30-Apr-26	25Jun-26	67
EM-DSN-2520	Electrical Distribution 90%> Design Review	14	26-Jun-26	16Jul-26	67
EM-DSN-2600	Electrical Distribution 100%o Design	28	17-Jul-26	26-Aug-26	67



Actual Work | Critical Remaining Work | Summary | Remaining Work | Milestone

TASK filter: All Activities

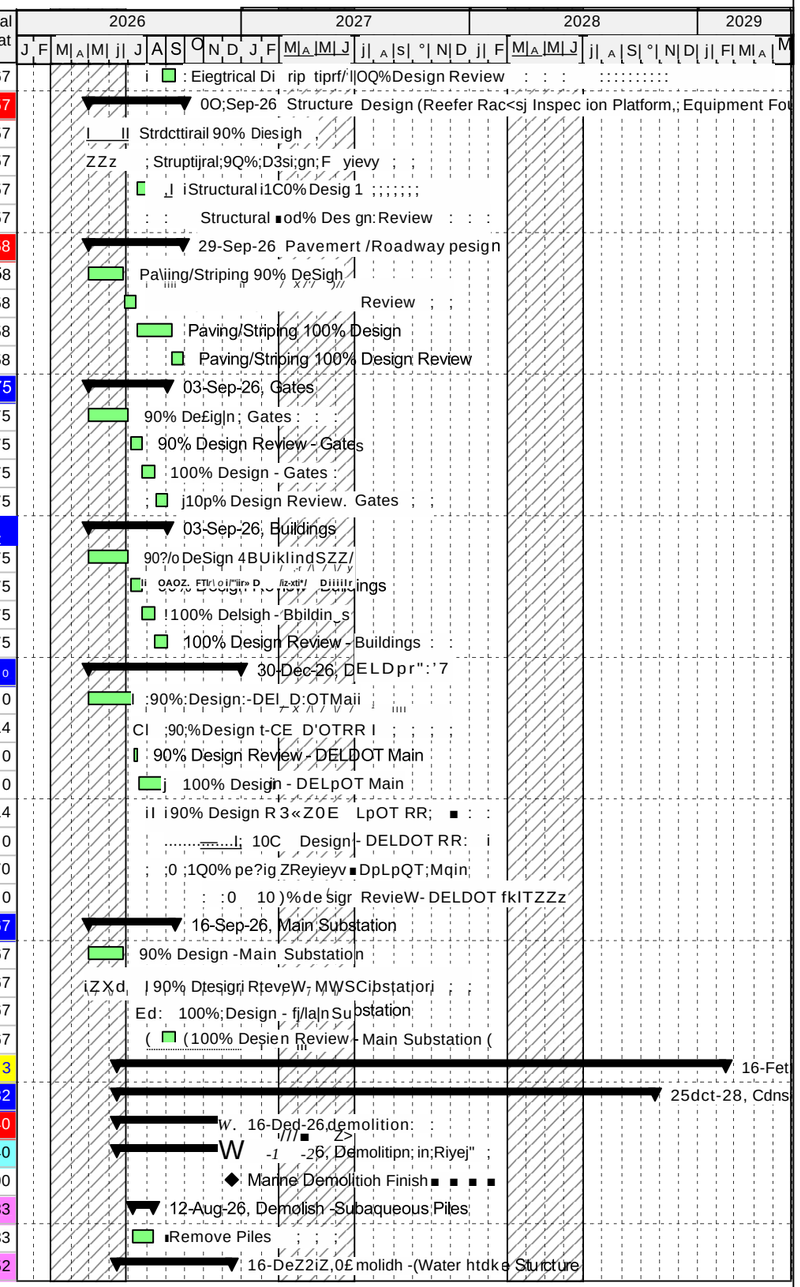
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
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PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-DSN-2720	Electrical Distribution 100% Design Review	14	27-Aug-26	16-Sep-26	67
Structural Design (Reefer Racks, Inspection Platform, Equipment Foundations)		105	30-Apr-26	30-Sep-26	57
EM-DSN-2300	Structural 90% Design	39	30-Apr-26	25Jun-26	57
EM-DSN-2500	Structural 90% Design Review	14	26-Jun-26	16Jul-26	57
EM-DSN-2590	Structural 100% Design	37	17-Jul-26	09-Sep-26	57
EM-DSN-2770	Structural 100% Design Review	15	10-Sep-26	30-Sep-26	57
Pavement / Roadway Design		104	30-Apr-26	29-Sep-26	58
EM-DSN-2310	Paving/Striping 90% Design	39	30-Apr-26	25-Jun-26	58
EM-DSN-2510	Paving/Striping 90% Design Review	13	26-Jun-26	15Jul-26	58
EM-DSN-2570	Paving/Striping 100% Design	38	16Jul-26	09-Sep-26	58
EM-DSN-2780	Paving/Striping 100% Design Review	14	10-Sep-26	29-Sep-26	58
Gates		87	30-Apr-26	03-Sep-26	75
EM-DSN-2370	90% Design - Gates	44	30-Apr-26	02-Jul-26	75
EM-DSN-2620	90% Design Review - Gates	14	06-Jul-26	23-Jul-26	75
EM-DSN-2680	100% Design - Gates	15	24-Jul-26	14-Aug-26	75
EM-DSN-2750	100% Design Review - Gates	14	17-Aug-26	03-Sep-26	75
Buildings		87	30-Apr-26	03-Sep-26	z
EM-DSN-2380	90% Design - Buildings	44	30-Apr-26	02-Jul-26	75
EM-DSN-2610	90% Design Review - Buildings	14	06-Jul-26	23-Jul-26	75
EM-DSN-2670	100% Design - Buildings	14	24Jul-26	13-Aug-26	75
EM-DSN-2740	100% Design Review - Buildings	15	14-Aug-26	03-Sep-26	75
DELDOT		175	30-Apr-26	30-Dec-26	0
EM-DSN-2360	90% Design - DELDOT Main	49	30-Apr-26	10Jul-26	0
EM-DSN-2361	90% Design - DELDOT RR	19	13-Jul-26	07-Aug-26	14
EM-DSN-2530	90% Design Review - DELDOT Main	5	13-Jul-26	17Jul-26	0
EM-DSN-2630	100% Design - DELDOT Main	33	20-Jul-26	03-Sep-26	0
EM-DSN-2371	90% Design Review - DELDOT RR	5	10-Aug-26	14-Aug-26	14
EM-DSN-2381	100% Design - DELDOT RR	74	04-Sep-26	23-Dec-26	0
EM-DSN-2710	100% Design Review - DELDOT Main	5	04-Sep-26	11-Sep-26	70
EM-DSN-2391	100% Design Review - DELDOT RR	5	24-Dec-26	30-Dec-26	0
Main Substation		95	30-Apr-26	16-Sep-26	67
EM-DSN-2420	90% Design - Main Substation	39	30-Apr-26	25-Jun-26	67
EM-DSN-2640	90% Design Review - Main Substation	14	26-Jun-26	16Jul-26	67
EM-DSN-2690	100% Design - Main Substation	28	17-Jul-26	26-Aug-26	67
EM-DSN-2810	100% Design Review - Main Substation	14	27-Aug-26	16-Sep-26	67
Marine Construction		699	15-Jun-26	16-Feb-29	3
Construction		617	15-Jun-26	25-Oct-28	82
Demolition		133	15-Jun-26	16-Dec-26	140
Demolition in River		133	15-Jun-26	16-Dec-26	140
EM-KM-1150	Marine Demolition Finish	0		16-Dec-26	100
Demolish -Subaqueous Piles		20	09-Jul-26	12-Aug-26	33
EM-MC-CON-1050	Remove Piles	20	09-Jul-26	12-Aug-26	33
Demolish - Water intake Stirckire		133	15-Jun-26	16-Dec-26	52

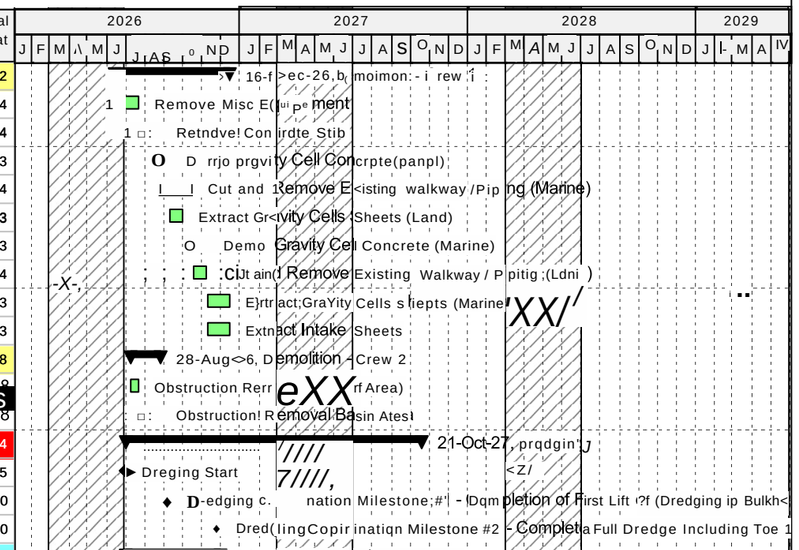


Actual Work ■ Critical Remaining Work ▼ Summary
Remaining Work ◆ ♦ Milestone

TASK filter: A || Activities

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Demolition - Crew 1		133	15-Jun-26	16-Dec-26	52
EM-MC-CON-1030	Remove Misc Equipement	20	15-Jun-26	21-Jul-26	34
EM-MC-CON-1040	Remove Concrete Slab	20	22-Jul-26	25-Aug-26	34
EM-MC-CON-1120	Demo Gravity Cell Concrete (Land)	15	13-Aug-26	09-Sep-26	33
EM-MC-CON-1100	Cut and Remove Existing walkway / Piping (Marine)	30	26-Aug-26	16-Oct-26	34
EM-MC-CON-1130	Extract Gravity Cells Sheets (Land)	15	10-Sep-26	30-Sep-26	33
EM-MC-CON-1160	Demo Gravity Cell Concrete (Marine)	25	06-Oct-26	09-Nov-26	33
EM-MC-CON-1150	Cut and Remove Existing walkway / Piping (Land)	15	19-Oct-26	06-Nov-26	34
EM-MC-CON-1260	Extract Gravity Cells Sheets (Marine)	20	10-Nov-26	16-Dec-26	33
EM-MC-CON-1270	Extract Intake Sheets	20	10-Nov-26	16-Dec-26	33
Demolition - Crew 2		30	09-Jul-26	26-Aug-26	98
EM-MC-CON-1070	Obstruction Removal (Wharf Area)	10	09-Jul-26	22-Jul-26	98
EM-MC-CON-1090	Obstruction Removal Basin Area	20	23-Jul-26	26-Aug-26	98
Dredging		341	01-Jul-26	21-Oct-27	94
EM-KM-1140	Dreging Start	0	01-Jul-26		25
EM-KM-2201	Dredging Coordination Milestone #1 - Completion of First Lift of Dredging in Bulkhead Area / Start Bulkhead Constr	0		11-Sep-26*	0
EM-KM-2202	Dredging Coordination Milestone #2 - Complete Full Dredge Including Toe Key in Berth Area	0		01-Dec-26*	0
Dredging Season 1		153	01-Jul-26	01-Dec-26	222
EM-MC-CON-1060	Dredging Preparation SEASON 1	30	01-Jul-26	31-Jul-26	25
EM-MC-CON-1110	Dredging SEASON 1	100	01-Jul-26	09-Oct-26	67
EM-MC-CON-1111	Enstructure / Weeks' Complete First Lift of Dredging in Bulkhead Area to Commence Bulkhead Const by Sept 11,2	0		11-Sep-26	25
EM-MC-CON-1250	Dredging Demobilization SEASON 1	22	09-Oct-26	31-Oct-26	253
EM-MC-CON-1112	Enstructure / Weeks' Complete Full Depth Dredge Including Toe Key in Berth Area by Dec. 1, 2026	0		01-Dec-26*	0
Dredging Season 2		112	01-Jul-27	21-Oct-27	132
EM-MC-CON-1470	Dredging Preparation SEASON 2	30	01-Jul-27*	31-Jul-27	132
EM-MC-CON-1550	Dredging SEASON 2	60	31-Jul-27	29-Sep-27	132
EM-MC-CON-1570	Dredging Demobilization SEASON 2	22	29-Sep-27	21-Oct-27	132
Bulkhead		553	17-Aug-26	28-Sep-28	12
EM-MC-CON-1230	Mobilize / Deliver ABI Rig for Anchor Wall Piling	5	25-Aug-26	31-Aug-26	9
EM-MC-CON-1080	Anchor Wai Instalatbn	30	02-Sep-26	19-Oct-26	8
Bulkhead Crew 1		139	17-Aug-26	26-Feb-27	1
CW001-CW005		47	17-Aug-26	21-Oct-26	0
EM-MC-CON-1340	Guide Fabrication	32	17-Aug-26	12-Oct-26	1
EM-MC-CON-1170	Install CW001-CW005 Retaining Wall	5	14-Oct-26	21-Oct-26	0
MW001-MW009		7	21-Oct-26	02-Nov-26	0
EM-MC-CON-1190	Install MW001-MW009 Retaining Wai	7	21-Oct-26	02-Nov-26	0
MW010-MW057		31	02-Nov-26	22-Dec-26	1
EM-MC-CON-1220	Install MW010-MW057 Retaining Wai	31	02-Nov-26	22-Dec-26	1
MW058-MW110		35	22-Dec-26	26-Feb-27	1
EM-MC-CON-1290	Install MW058-MW110 Retaining Wall	35	22-Dec-26	26-Feb-27	1
Bulkhead Crew 2		79	14-Oct-26	26-Feb-27	2
MW111-MW122		10	14-Oct-26	28-Oct-26	2
EM-MC-CON-1180	Install MW111-MW122 Retaining Wall	10	14-Oct-26	28-Oct-26	2



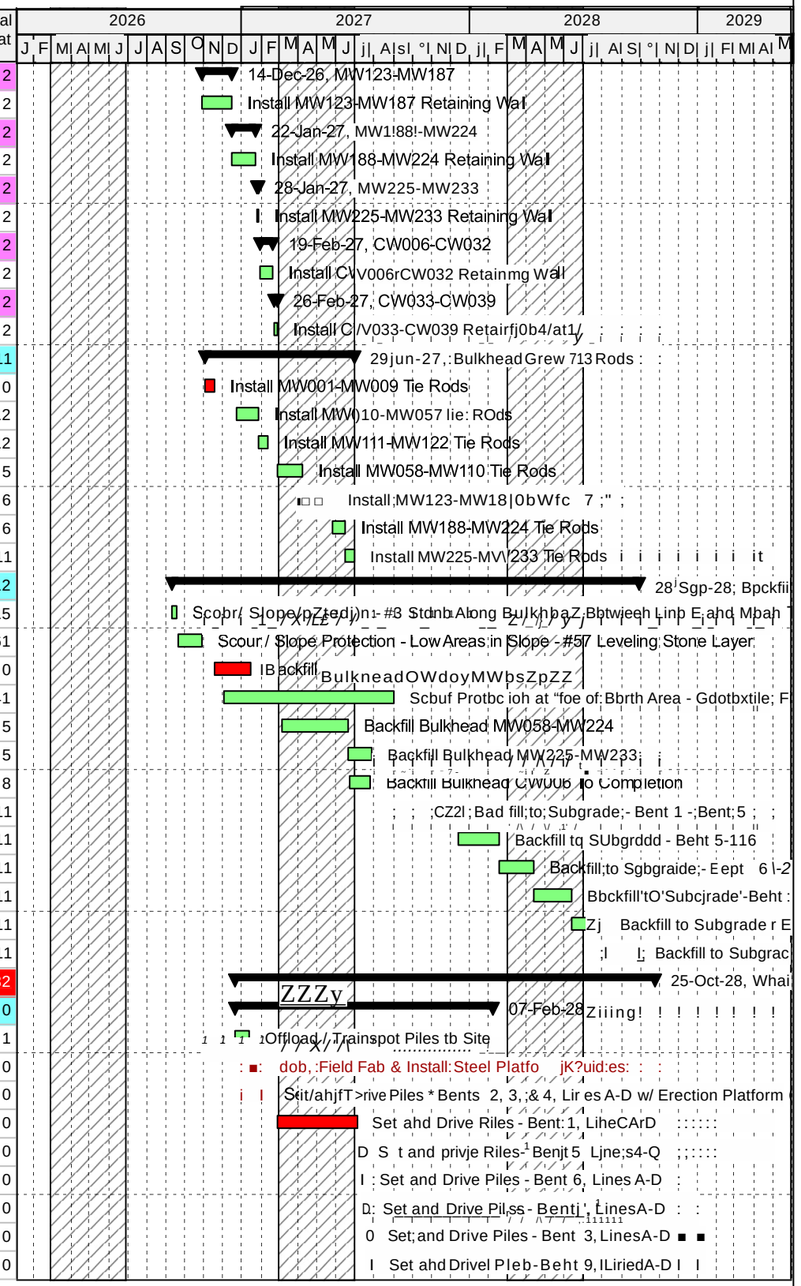
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
MW123-MW187		28	29-Oct-26	14-Dec-26	2
EM-MC-CON-1200	Install MW123-MW187 Retaining Wai	28	29-Oct-26	14-Dec-26	2
MW188-MW224		19	15-Dec-26	22Jan-27	2
EM-MCGON-1310	Install MW188-MW224 Retaining Wai	19	15-Dec-26	22-Jan-27	2
MW225-MW233		4	25-Jan-27	28-Jan-27	2
EM-MCGON-1519	Install MW225-MW233 Retaining Wai	4	25-Jan-27	28-Jan-27	2
CW006-CW032		13	29-Jan-27	19-Feb-27	2
EM-MC-CON-1309	Install CW006-CW032 Retaining Wall	13	29-Jan-27	19-Feb-27	2
CW033-CW039		5	22-Feb-27	26-Feb-27	2
EM-MCGON-1560	Install CW033-CW039 Retaining Wall	5	22-Feb-27	26-Feb-27	2
Bulkhead Crew Tie Rods		141	02-Nov-26	29-Jun-27	11
EM-MCGON-1240	Install MW001-MW009 Tie Rods	10	02-Nov-26	18-Nov-26	0
EM-MC-CON-1280	Install MW010-MW057 Tie Rods	18	22-Dec-26	28-Jan-27	12
EM-MC-CON-1210	Install MW111-MW122 Tie Rods	10	28-Jan-27	12-Feb-27	12
EM-MCGON-1430	Install MW058-MW110 Tie Rods	27	26-Feb-27	09-Apr-27	5
EM-MC-CON-1320	Install MW123-MW187 Tie Rods	29	09-Apr-27	26-May-27	6
EM-MC-CON-1400	Install MW188-MW224 Tie Rods	10	27-May-27	14Jun-27	6
EM-MC-CON-1530	Install MW225-MW233 Tie Rods	10	14-Jun-27	29-Jun-27	11
Backfill & Scour Protection		534	11-Sep-26	28-Sep-28	12
EM-MCGON-1140	Scour / Slope Protection -#3 Stone Along Bulkhead / Between Line E and Mean Tide Elev. 0.0'	5	11-Sep-26	18-Sep-26	15
EM-MC-CON-1142	Scour / Slope Protection - Low Areas in Slope -#57 Leveling Stone Layer	25	21-Sep-26	28-Oct-26	61
EM-MC-CON-1440	Backfill Bulkhead CW001-MW057	30	18-Nov-26	14Jan-27	0
EM-MCGON-1141	Scour Protection at Toe of Berth Area - Geotextile, Filter Stone, & Armor Stone in Dredge Pocket	89	02-Dec-26	02-Sep-27	41
EM-MC-CON-1450	Backfill Bulkhead MW058-MW224	65	05-Mar-27	21-Jun-27	5
EM-MC-CON-1460	Backfill Bulkhead MW225-MW233	25	21-Jun-27	29Jul-27	5
EM-MCGON-1580	Backfill Bulkhead CW006 To Completion	20	23Jun-27	26Jul-27	8
EM-MC-CON-1461	Backfill to Subgrade - Bent 1 - Bent 5	23	03-Nov-27	14-Dec-27	11
EM-MCGON-1462	Backfill to Subgrade - Bent 5-16	35	14-Dec-27	16-Feb-28	11
EM-MC-CON-1463	Backfill to Subgrade - Bent 16-26	35	16-Feb-28	13-Apr-28	11
EM-MC-CON-1464	Backfill to Subgrade - Bent 26 - 36	35	13-Apr-28	12Jun-28	11
EM-MCGON-1465	Backfill to Subgrade - Bent 36 - 46	35	12Jun-28	04-Aug-28	11
EM-MC-CON-1466	Backfill to Subgrade - Bent 46 - 56	33	04-Aug-28	28-Sep-28	11
Wharf		482	121-Dec-26	25-Oct-28	82
Piling		169	21-Dec-26	07-Feb-28	0
EM-MC-CON-1300	Offload / Transport Piles to Site	10	21-Dec-26	13Jan-27	1
EM-MCGON-1330	Mob, Field Fab & Install Steel Platform /Guides	9	15Jan-27	29Jan-27	0
EM-MC-CON-1650	Set and Drive Piles - Bents 2, 3, & 4, LinesA-D w/ Erection Platform (w/ Install of Steel Deck)	9	01-Feb-27	12-Feb-27	0
EM-MC-CON-1410	Set and Drive Piles - Bent 1, LinesA-D	3	26-Feb-27	06Jul-27	0
EM-MCGON-1720	Set and Drive Piles - Bent 5, LinesA-D	3	07Jul-27	12Jul-27	0
EM-MC-CON-1730	Set and Drive Piles - Bent 6, LinesA-D	3	12Jul-27	16Jul-27	0
EM-MC-CON-1731	Set and Drive Piles - Bent 7, LinesA-D	3	16Jul-27	21Jul-27	0
EM-MCGON-1740	Set and Drive Piles - Bent 8, LinesA-D	3	21Jul-27	27Jul-27	0
EM-MC-CON-1750	Set and Drive Piles - Bent 9, LinesA-D	3	27Jul-27	30Jul-27	0

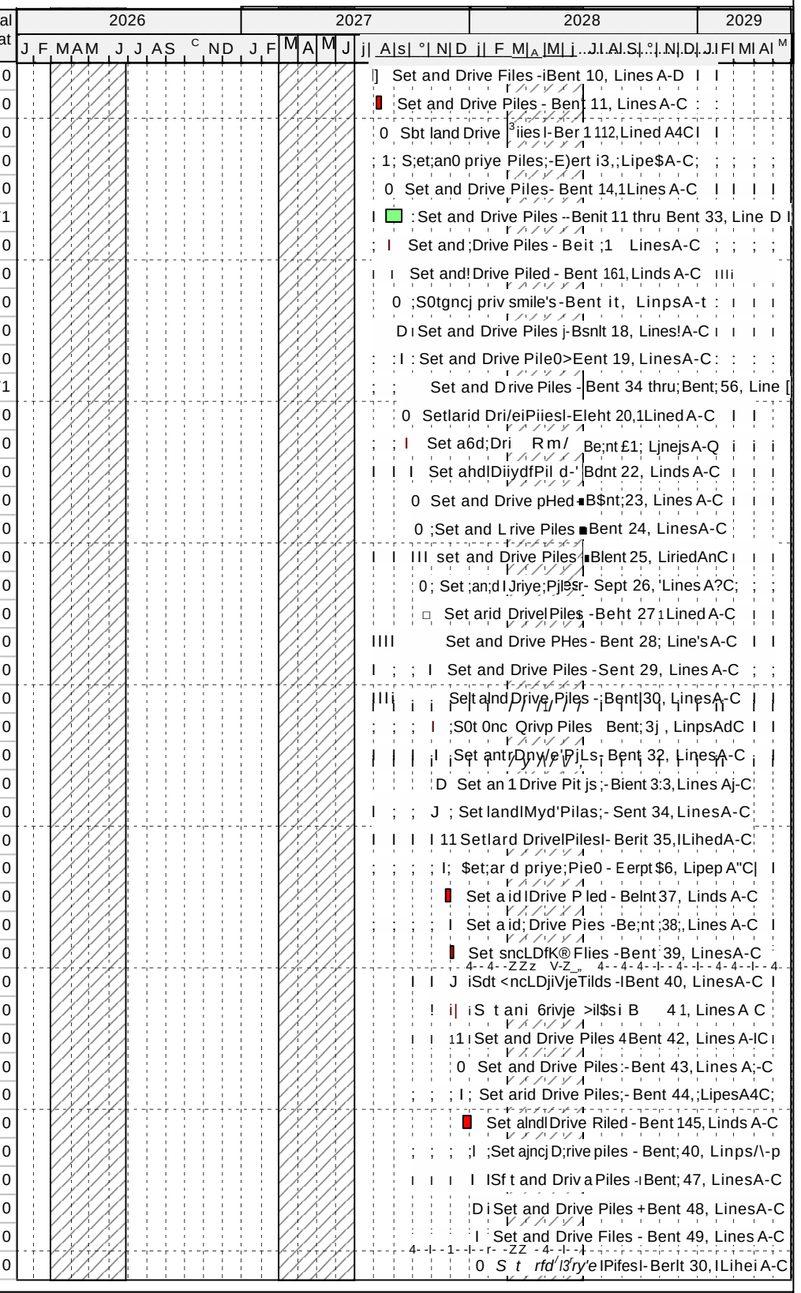


Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

TASK filter: All Activities

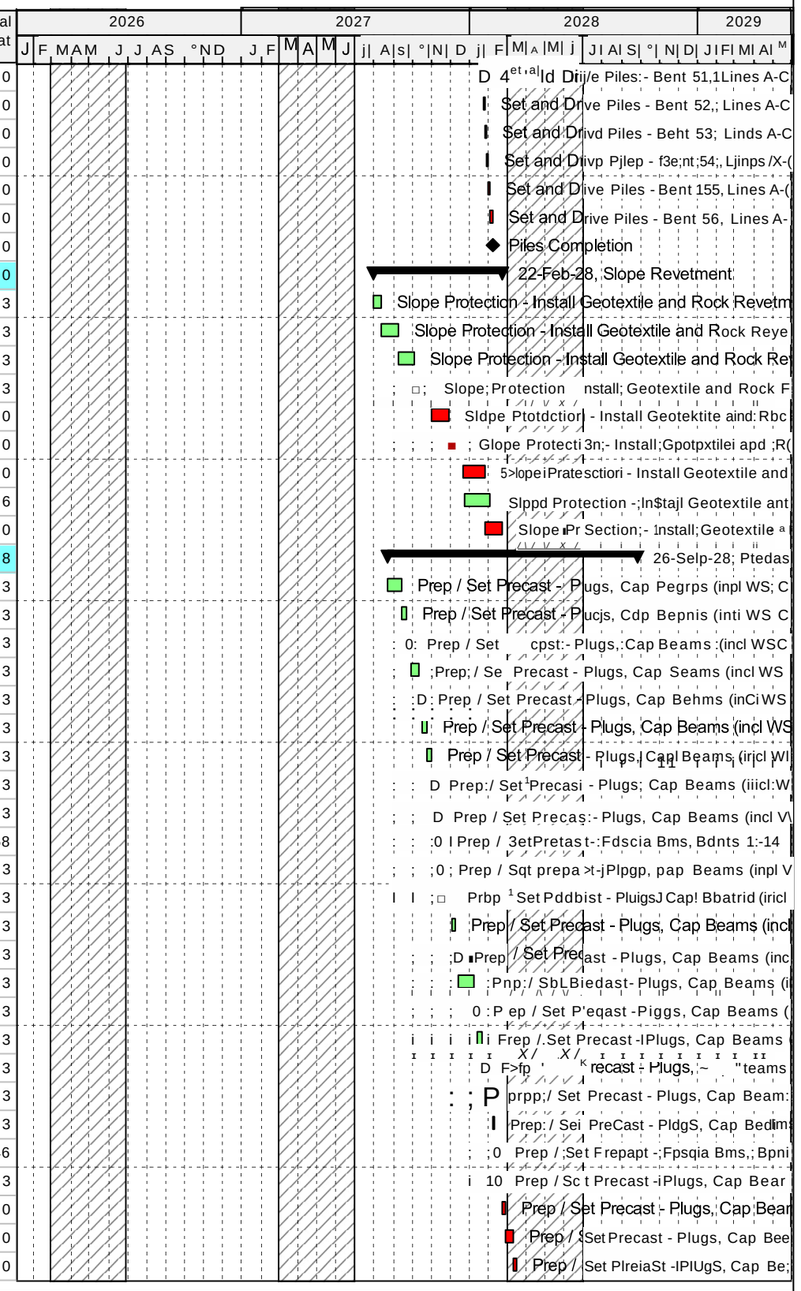
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-1760	Set and Drive Piles - Bent 10, Lines A-D	3	30-Jul-27	04-Aug-27	0
EM-MC-CON-1770	Set and Drive Piles - Bent 11, Lines A-C	3	05-Aug-27	11-Aug-27	0
EM-MC-CON-1780	Set and Drive Piles - Bent 12, LinesA-C	3	11-Aug-27	16-Aug-27	0
EM-MC-CON-1790	Set and Drive Piles - Bent 13, LinesA-C	3	16-Aug-27	20-Aug-27	0
EM-MC-CON-1800	Set and Drive Piles - Bent 14, LinesA-C	3	20-Aug-27	25-Aug-27	0
EM-MC-CON-3390	Set and Drive Piles - Bent 11 thru Bent 33, Line D (from Land with 2nd Crew)	15	20-Aug-27	13-Sep-27	71
EM-MC-CON-1810	Set and Drive Piles - Bent 15, LinesA-C	3	25-Aug-27	30-Aug-27	0
EM-MC-CON-1820	Set and Drive Piles - Bent 16, LinesA-C	3	30-Aug-27	02-Sep-27	0
EM-MC-CON-1830	Set and Drive Piles - Bent 17, LinesA-C	3	02-Sep-27	08-Sep-27	0
EM-MC-CON-1840	Set and Drive Piles - Bent 18, LinesA-C	3	08-Sep-27	13-Sep-27	0
EM-MC-CON-1850	Set and Drive Piles - Bent 19, LinesA-C	3	13-Sep-27	17-Sep-27	0
EM-MC-CON-3400	Set and Drive Piles - Bent 34 thru Bent 56, Line D (from Land with 2nd Crew)	15	13-Sep-27	06-Oct-27	71
EM-MC-CON-1860	Set and Drive Piles - Bent 20, LinesA-C	3	17-Sep-27	22-Sep-27	0
EM-MC-CON-1870	Set and Drive Piles - Bent 21, LinesA-C	3	22-Sep-27	28-Sep-27	0
EM-MC-CON-1880	Set and Drive Piles - Bent 22, LinesA-C	3	28-Sep-27	01-Oct-27	0
EM-MC-CON-1890	Set and Drive Piles - Bent 23, LinesA-C	3	01-Oct-27	06-Oct-27	0
EM-MC-CON-1900	Set and Drive Piles - Bent 24, LinesA-C	3	06-Oct-27	11-Oct-27	0
EM-MC-CON-1910	Set and Drive Piles - Bent 25, LinesA-C	3	11-Oct-27	15-Oct-27	0
EM-MC-CON-1920	Set and Drive Piles - Bent 26, LinesA-C	3	15-Oct-27	20-Oct-27	0
EM-MC-CON-1930	Set and Drive Piles - Bent 27, LinesA-C	3	20-Oct-27	26-Oct-27	0
EM-MC-CON-1940	Set and Drive Piles - Bent 28, LinesA-C	3	26-Oct-27	29-Oct-27	0
EM-MC-CON-1950	Set and Drive Piles - Bent 29, LinesA-C	2	29-Oct-27	02-Nov-27	0
EM-MC-CON-1960	Set and Drive Piles - Bent 30, LinesA-C	2	02-Nov-27	04-Nov-27	0
EM-MC-CON-1970	Set and Drive Piles - Bent 31, LinesA-C	2	04-Nov-27	08-Nov-27	0
EM-MC-CON-1980	Set and Drive Piles - Bent 32, LinesA-C	2	08-Nov-27	W-Nov-27	0
EM-MC-CON-1990	Set and Drive Piles - Bent 33, LinesA-C	2	W-Nov-27	15-Nov-27	0
EM-MC-CON-2000	Set and Drive Piles - Bent 34, LinesA-C	2	15-Nov-27	18-Nov-27	0
EM-MC-CON-2010	Set and Drive Piles - Bent 35, LinesA-C	2	18-Nov-27	22-Nov-27	0
EM-MC-CON-2020	Set and Drive Piles - Bent 36, LinesA-C	2	22-Nov-27	24-Nov-27	0
EM-MC-CON-2030	Set and Drive Piles - Bent 37, LinesA-C	2	24-Nov-27	30-Nov-27	0
EM-MC-CON-2040	Set and Drive Piles - Bent 38, LinesA-C	2	30-Nov-27	02-Dec-27	0
EM-MC-CON-2050	Set and Drive Piles - Bent 39, LinesA-C	2	02-Dec-27	06-Dec-27	0
EM-MC-CON-2060	Set and Drive Piles - Bent 40, LinesA-C	2	06-Dec-27	09-Dec-27	0
EM-MC-CON-2070	Set and Drive Piles - Bent 41, LinesA-C	2	09-Dec-27	13-Dec-27	0
EM-MC-CON-2080	Set and Drive Piles - Bent 42, LinesA-C	2	13-Dec-27	15-Dec-27	0
EM-MC-CON-2090	Set and Drive Piles - Bent 43, LinesA-C	2	15-Dec-27	20-Dec-27	0
EM-MC-CON-2100	Set and Drive Piles - Bent 44, LinesA-C	2	20-Dec-27	22-Dec-27	0
EM-MC-CON-2110	Set and Drive Piles - Bent 45, LinesA-C	2	22-Dec-27	03-Jan-28	0
EM-MC-CON-2120	Set and Drive Piles - Bent 46, LinesA-C	2	03-Jan-28	05-Jan-28	0
EM-MC-CON-2130	Set and Drive Piles - Bent 47, LinesA-C	2	05-Jan-28	07-Jan-28	0
EM-MC-CON-2140	Set and Drive Piles - Bent 48, LinesA-C	2	07-Jan-28	12-Jan-28	0
EM-MC-CON-2150	Set and Drive Piles - Bent 49, LinesA-C	2	12-Jan-28	14-Jan-28	0
EM-MC-CON-2160	Set and Drive Piles - Bent 50, LinesA-C	2	14-Jan-28	19-Jan-28	0



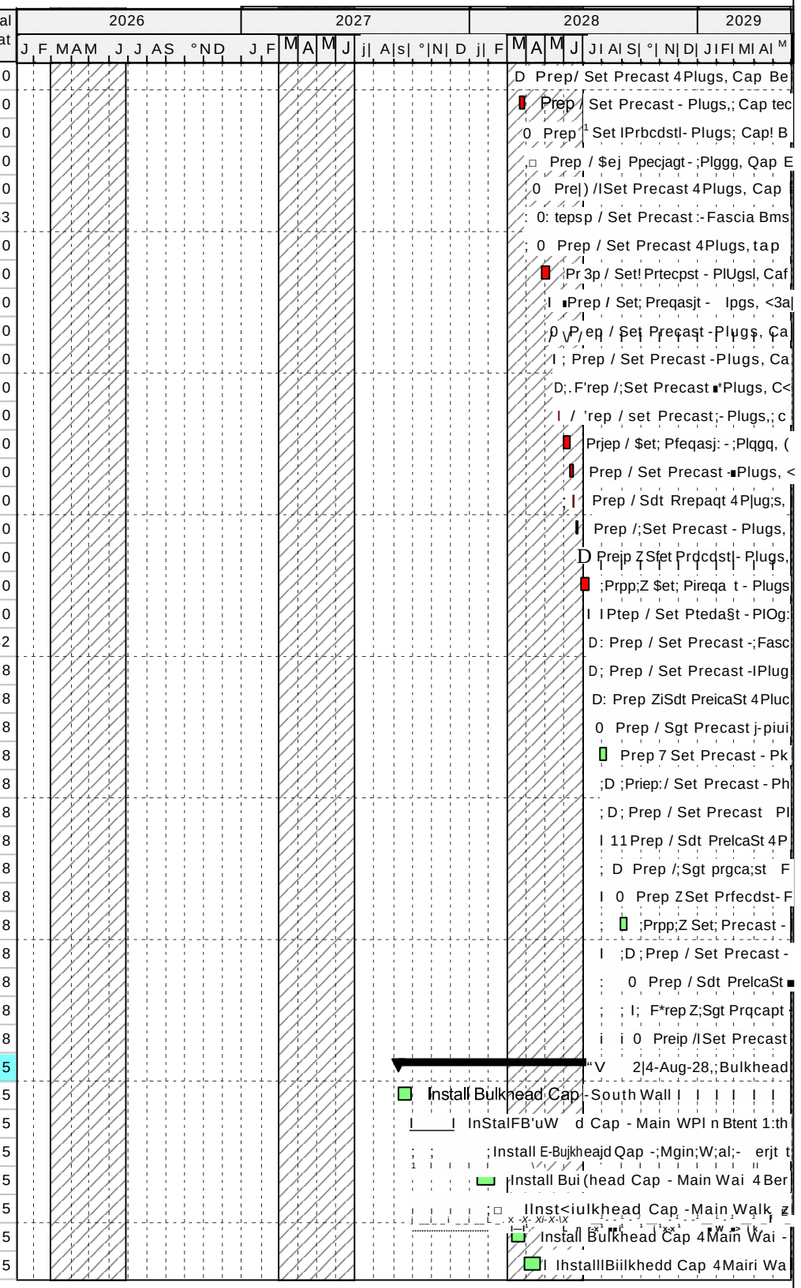
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-2170	Set and Drive Piles - Bent 51, Lines A-C	2	19-Jan-28	24Jan-28	0
EM-MC-CON-2180	Set and Drive Piles - Bent 52, Lines A-C	2	24-Jan-28	26-Jan-28	0
EM-MC-CON-2190	Set and Drive Piles - Bent 53, Lines A-C	2	26-Jan-28	28-Jan-28	0
EM-MC-CON-2200	Set and Drive Piles - Bent 54, Lines A-C	2	28-Jan-28	01-Feb-28	0
EM-MC-CON-2210	Set and Drive Piles - Bent 55, Lines A-C	2	01-Feb-28	03-Feb-28	0
EM-MC-CON-2220	Set and Drive Piles - Bent 56, Lines A-C	2	03-Feb-28	07-Feb-28	0
EM-MC-CON-1351	Piles Completion	0		07-Feb-28	0
Slope Revetment		122	30-Jul-27	22-Feb-28	0
EM-MC-CON-1500	Slope Protection - Install Geotextile and Rock Revetment Bent #1 thru Bent #4	7	30-Jul-27	11-Aug-27	3
EM-MC-CON-1501	Slope Protection - Install Geotextile and Rock Revetment Bent #5 thru Bent #14	18	13-Aug-27	10-Sep-27	3
EM-MC-CON-1502	Slope Protection - Install Geotextile and Rock Revetment Bent #15 thru Bent #21	15	10-Sep-27	05-Oct-27	3
EM-MC-CON-1503	Slope Protection - Install Geotextile and Rock Revetment Bent #22 thru Bent #28	15	05-Oct-27	28-Oct-27	3
EM-MC-CON-1504	Slope Protection - Install Geotextile and Rock Revetment Bent #29 thru Bent #35	15	02-Nov-27	29-Nov-27	0
EM-MC-CON-1505	Slope Protection - Install Geotextile and Rock Revetment Bent #36 thru Bent #42 + North	15	29-Nov-27	22-Dec-27	0
EM-MC-CON-1506	Slope Protection - Install Geotextile and Rock Revetment Bent #43 thru Bent #49 + North	15	22-Dec-27	25-Jan-28	0
EM-MC-CON-1508	Slope Protection - Install Geotextile and Rock Revetment - North End Area	20	23-Dec-27	02-Feb-28	6
EM-MC-CON-1507	Slope Protection - Install Geotextile and Rock Revetment Bent #50 thru Bent #56 + North	17	25-Jan-28	22-Feb-28	0
Precast		215	23-Aug-27	26-Sep-28	8
EM-MC-CON-1490	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ T Plat) - thru Bent 1, Lines A-D (w/ Initial Set Up)	12	23-Aug-27	15-Sep-27	3
EM-MC-CON-1700	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 2, Lines A-D	5	15-Sep-27	22-Sep-27	3
EM-MC-CON-1710	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 3, Lines A-D	5	22-Sep-27	29-Sep-27	3
EM-MC-CON-2230	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent4, Lines A-D	5	29-Sep-27	11-Oct-27	3
EM-MC-CON-2240	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 5, Lines A-D	5	11-Oct-27	18-Oct-27	3
EM-MC-CON-2250	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 6, Lines A-D	5	18-Oct-27	25-Oct-27	3
EM-MC-CON-2260	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 7, Lines A-D	5	25-Oct-27	01-Nov-27	3
EM-MC-CON-2270	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 8, Lines A-D	4	01-Nov-27	05-Nov-27	3
EM-MC-CON-2280	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 9, Lines A-D	4	05-Nov-27	12-Nov-27	3
EM-MC-CON-3310	Prep / Set Precast - Fascia Bms, Bents 1-14	5	09-Nov-27	17-Nov-27	58
EM-MC-CON-2290	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 10, Lines A-D	4	12-Nov-27	18-Nov-27	3
EM-MC-CON-2300	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 11, Lines A-D	4	18-Nov-27	03-Dec-27	3
EM-MC-CON-2310	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 12, Lines A-D	4	03-Dec-27	09-Dec-27	3
EM-MC-CON-2320	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 13, Lines A-D	4	09-Dec-27	15-Dec-27	3
EM-MC-CON-2330	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 14, Lines A-D	4	15-Dec-27	07-Jan-28	3
EM-MC-CON-2340	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 15, Lines A-D	4	07-Jan-28	13-Jan-28	3
EM-MC-CON-2350	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 16, Lines A-D	4	13-Jan-28	20-Jan-28	3
EM-MC-CON-2360	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 17, Lines A-D	4	20-Jan-28	26Jan-28	3
EM-MC-CON-2370	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 18, Lines A-D	4	26-Jan-28	07-Feb-28	3
EM-MC-CON-2380	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 19, Lines A-D	4	07-Feb-28	11-Feb-28	3
EM-MC-CON-3320	Prep / Set Precast - Fascia Bms, Bents 15-28	5	11-Feb-28	18-Feb-28	46
EM-MC-CON-2390	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 20, Lines A-D	4	11-Feb-28	17-Feb-28	3
EM-MC-CON-2400	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent21, Lines A-D	4	22-Feb-28	28-Feb-28	0
EM-MC-CON-2410	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent22, Lines A-D	4	28-Feb-28	10-Mar-28	0
EM-MC-CON-2420	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 23, Lines A-D	4	10-Mar-28	16-Mar-28	0



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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-2430	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 24, Lines A-D	4	16-Mar-28	22-Mar-28	0
EM-MC-CON-2440	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 25, Lines A-D	4	22-Mar-28	28-Mar-28	0
EM-MC-CON-2450	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 26, Lines A-D	4	28-Mar-28	03-Apr-28	0
EM-MC-CON-2460	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam w/ Temp Plat)- thru Bent 27, Lines A-D	4	03-Apr-28	13-Apr-28	0
EM-MC-CON-2470	Prep / Set Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 28, Lines A-D	4	13-Apr-28	20-Apr-28	0
EM-MC-CON-3330	Prep ZSet Precast - Fascia Bms, Bents 2942	5	20-Apr-28	27-Apr-28	33
EM-MC-CON-2480	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 29, Lines A-D	4	20-Apr-28	26-Apr-28	0
EM-MC-CON-2490	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 30, Lines A-D	4	26-Apr-28	08-May-28	0
EM-MC-CON-2500	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 31, Lines A-D	3	08-May-28	11-May-28	0
EM-MC-CON-2510	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 32, Lines A-D	3	11-May-28	16-May-28	0
EM-MC-CON-2520	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 33, Lines A-D	3	16-May-28	19-May-28	0
EM-MC-CON-2530	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 34, Lines A-D	3	19-May-28	24-May-28	0
EM-MC-CON-2540	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 35, Lines A-D	3	24-May-28	30-May-28	0
EM-MC-CON-2550	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 36, Lines A-D	3	30-May-28	09-Jun-28	0
EM-MC-CON-2560	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 37, Lines A-D	3	09-Jun-28	14-Jun-28	0
EM-MC-CON-2570	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 38, Lines A-D	3	14-Jun-28	20-Jun-28	0
EM-MC-CON-2580	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 39, Lines A-D	3	20-Jun-28	23-Jun-28	0
EM-MC-CON-2590	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 40, Lines A-D	3	23-Jun-28	28-Jun-28	0
EM-MC-CON-2600	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent41, Lines A-D	3	28-Jun-28	114ul-28	0
EM-MC-CON-2610	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent42, Lines A-D	3	11-Jul-28	144ul-28	0
EM-MC-CON-3340	Prep ZSet Precast - Fascia Bms, Bents 43-56	5	12-Jul-28	19-Jul-28	42
EM-MC-CON-2620	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent43, Lines A-D	3	14-Jul-28	19-Jul-28	8
EM-MC-CON-2630	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent44, Lines A-D	3	19-Jul-28	244ul-28	8
EM-MC-CON-2640	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 45, Lines A-D	3	24-Jul-28	27-Jul-28	8
EM-MC-CON-2650	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 46, Lines A-D	3	27-Jul-28	08-Aug-28	8
EM-MC-CON-2660	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent47, Lines A-D	3	08-Aug-28	11-Aug-28	8
EM-MC-CON-2670	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 48, Lines A-D	3	11-Aug-28	16-Aug-28	8
EM-MC-CON-2680	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 49, Lines A-D	3	16-Aug-28	21-Aug-28	8
EM-MC-CON-2690	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 50, Lines A-D	3	21-Aug-28	24-Aug-28	8
EM-MC-CON-2700	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 51, Lines A-D	3	24-Aug-28	29-Aug-28	8
EM-MC-CON-2710	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 52, Lines A-D	3	29-Aug-28	08-Sep-28	8
EM-MC-CON-2720	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 53, Lines A-D	3	08-Sep-28	13-Sep-28	8
EM-MC-CON-2730	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 54, Lines A-D	3	13-Sep-28	18-Sep-28	8
EM-MC-CON-2740	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 55, Lines A-D	3	18-Sep-28	21-Sep-28	8
EM-MC-CON-2750	Prep ZSet Precast - Plugs, Cap Beams (incl WS Crane Beam wZTemp Plat)- thru Bent 56, Lines A-D	3	21-Sep-28	26-Sep-28	8
Bulkhead Cap		189	10-Sep-27	24-Aug-28	5
EM-MC-CON-1370	Install Bulkhead Cap - South Wai	15	10-Sep-27	30-Sep-27	5
EM-MC-CON-1371	Install Bulkhead Cap - Main Wall - Bent1thiuBent7	37	30-Sep-27	07-Dec-27	5
EM-MC-CON-1372	Install Bulkhead Cap - Main Wall - Bent 8 - Bent 12	15	07-Dec-27	14-Jan-28	5
EM-MC-CON-1373	Install Bulkhead Cap - Main Wall - Bent 13 -Bent 17	14	14-Jan-28	10-Feb-28	5
EM-MC-CON-1374	Install Bulkhead Cap - Main Wall - Bent 18 -Bent 22	14	10-Feb-28	08-Mar-28	5
EM-MC-CON-1375	Install Bulkhead Cap - Main Wall - Bent 23 -Bent 71	14	08-Mar-28	28-Mar-28	5
EM-MC-CON-1376	Install Bulkhead Cap - Main Wall - Bent 28 -Bent 32	14	28-Mar-28	24-Apr-28	5

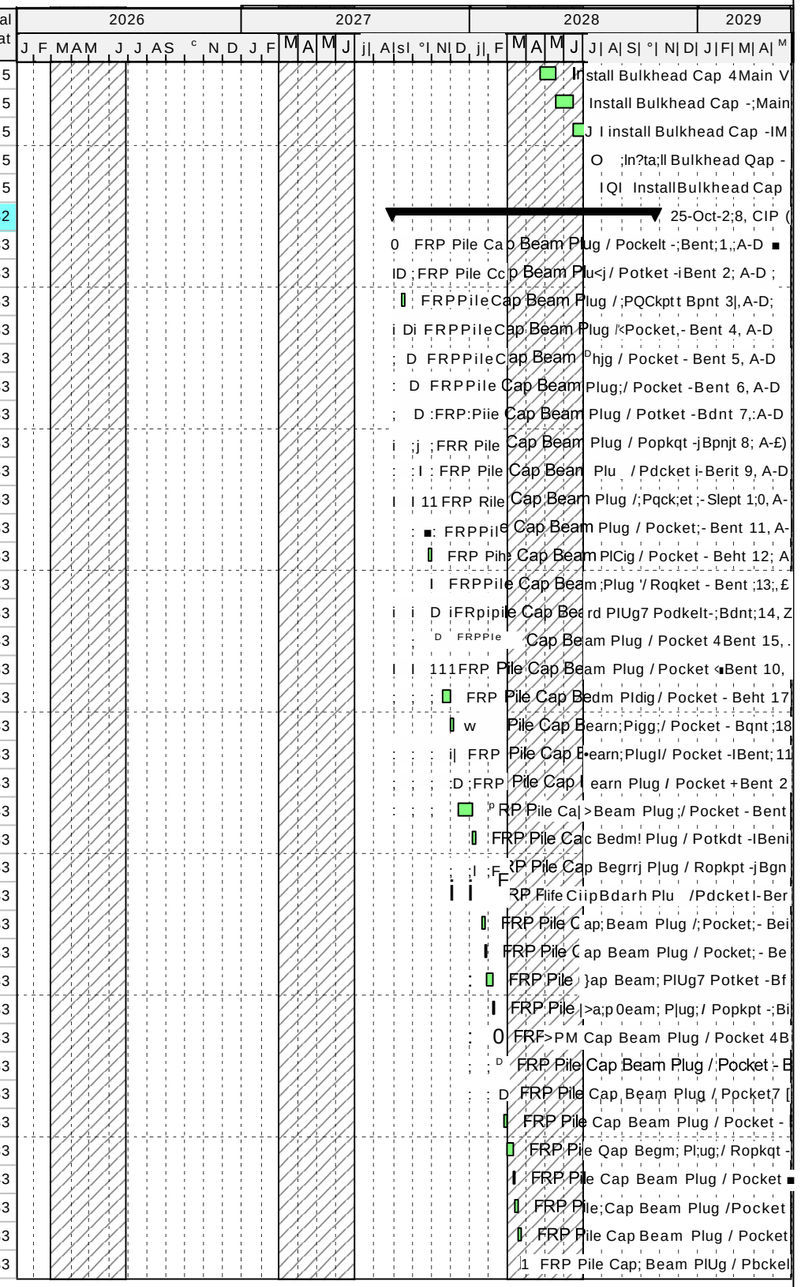


Actual Work
Remaining Work
Critical Remaining Work
Milestone
Summary

TASK filter: All Activities

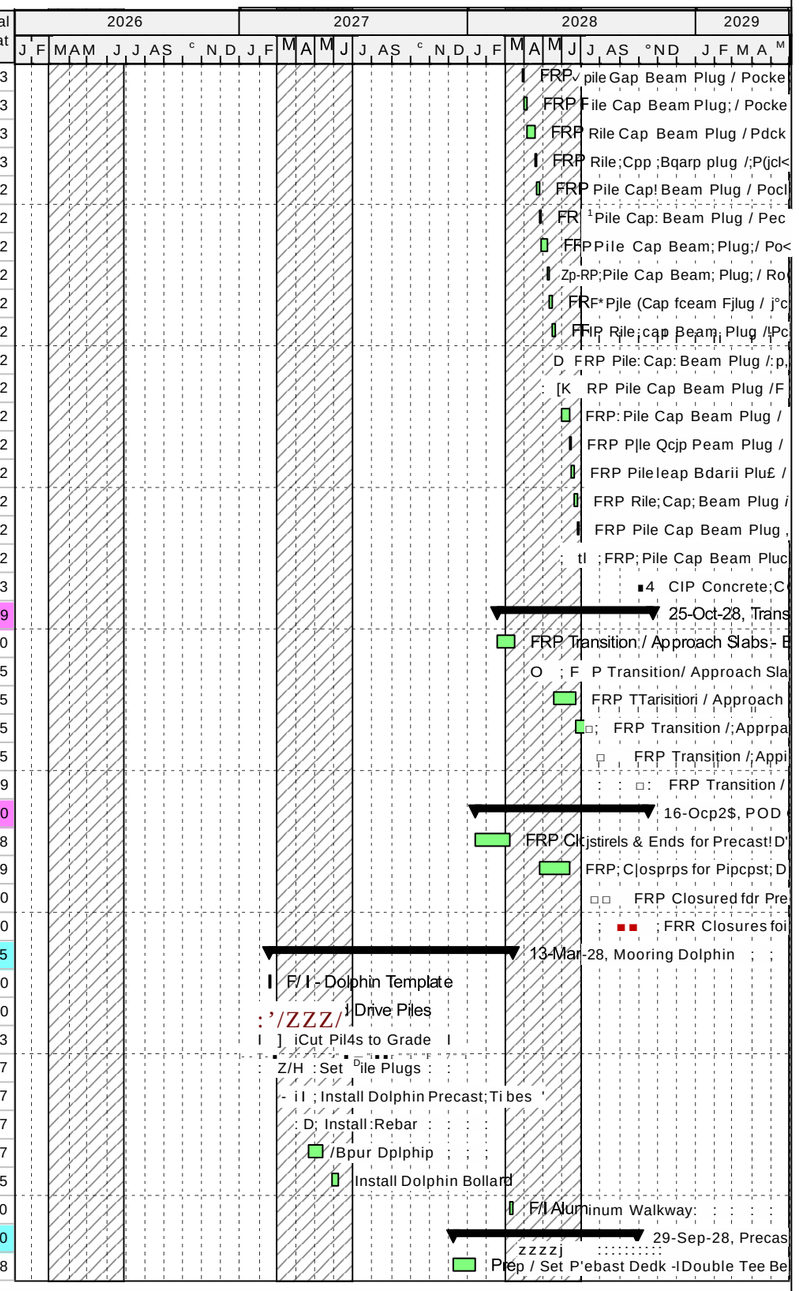
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-1377	Install Bulkhead Cap - Main Wall - Bent 33 -Bent 37	14	24-Apr-28	18-May-28	5
EM-MC-CON-1378	Install Bulkhead Cap - Main Wall - Bent 38 -Bent 42	14	18-May-28	15-Jun-28	5
EM-MC-CON-1379	Install Bulkhead Cap - Main Wall - Bent 43 -Bent 47	14	15-Jun-28	14Jul-28	5
EM-MC-CON-1381	Install Bulkhead Cap - Main Wall - Bent 48 -Bent 52	14	14-Jul-28	10-Aug-28	5
EM-MC-CON-1382	Install Bulkhead Cap - Main Wall - Bent 53 -Bent 56	10	10-Aug-28	24-Aug-28	5
CIP Concrete		301	31-Aug-27	25-Oct-28	82
EM-MC-CON-2760	FRP Pile Cap Beam Plug / Pocket - Bent 1, A-D	3	31-Aug-27	10-Sep-27	33
EM-MC-CON-2770	FRP Pile Cap Beam Plug / Pocket - Bent 2, A-D	3	10-Sep-27	15-Sep-27	33
EM-MC-CON-2780	FRP Pile Cap Beam Plug / Pocket - Bent 3, A-D	3	15-Sep-27	20-Sep-27	33
EM-MC-CON-2790	FRP Pile Cap Beam Plug / Pocket - Bent 4, A-D	3	20-Sep-27	23-Sep-27	33
EM-MC-CON-2800	FRP Pile Cap Beam Plug / Pocket - Bent 5, A-D	3	23-Sep-27	28-Sep-27	33
EM-MC-CON-2810	FRP Pile Cap Beam Plug / Pocket - Bent 6, A-D	3	28-Sep-27	06-Oct-27	33
EM-MC-CON-2820	FRP Pile Cap Beam Plug / Pocket - Bent 7, A-D	3	06-Oct-27	11-Oct-27	33
EM-MC-CON-2830	FRP Pile Cap Beam Plug / Pocket - Bent 8, A-D	3	11-Oct-27	14-Oct-27	33
EM-MC-CON-2840	FRP Pile Cap Beam Plug / Pocket - Bent 9, A-D	3	14-Oct-27	19-Oct-27	33
EM-MC-CON-2850	FRP Pile Cap Beam Plug / Pocket - Bent 10, A-D	3	19-Oct-27	22-Oct-27	33
EM-MC-CON-2860	FRP Pile Cap Beam Plug / Pocket - Bent 11, A-D	3	22-Oct-27	27-Oct-27	33
EM-MC-CON-2870	FRP Pile Cap Beam Plug / Pocket - Bent 12, A-D	3	27-Oct-27	01-Nov-27	33
EM-MC-CON-2880	FRP Pile Cap Beam Plug / Pocket - Bent 13, A-D	3	01-Nov-27	04-Nov-27	33
EM-MC-CON-2890	FRP Pile Cap Beam Plug / Pocket - Bent 14, A-D	3	04-Nov-27	09-Nov-27	33
EM-MC-CON-2900	FRP Pile Cap Beam Plug / Pocket - Bent 15, A-D	3	09-Nov-27	15-Nov-27	33
EM-MC-CON-2910	FRP Pile Cap Beam Plug / Pocket - Bent 16, A-D	3	15-Nov-27	18-Nov-27	33
EM-MC-CON-2920	FRP Pile Cap Beam Plug / Pocket - Bent 17, A-D	3	18-Nov-27	02-Dec-27	33
EM-MC-CON-2930	FRP Pile Cap Beam Plug / Pocket - Bent 18, A-D	3	02-Dec-27	07-Dec-27	33
EM-MC-CON-2940	FRP Pile Cap Beam Plug / Pocket - Bent 19, A-D	3	07-Dec-27	10-Dec-27	33
EM-MC-CON-2950	FRP Pile Cap Beam Plug / Pocket - Bent 20, A-D	3	10-Dec-27	15-Dec-27	33
EM-MC-CON-2960	FRP Pile Cap Beam Plug / Pocket - Bent 21, A-D	3	15-Dec-27	06-Jan-28	33
EM-MC-CON-2970	FRP Pile Cap Beam Plug / Pocket - Bent 22, A-D	3	06-Jan-28	11Jan-28	33
EM-MC-CON-2980	FRP Pile Cap Beam Plug / Pocket - Bent 23, A-D	3	11-Jan-28	14-Jan-28	33
EM-MC-CON-2990	FRP Pile Cap Beam Plug / Pocket - Bent 24, A-D	3	14-Jan-28	20-Jan-28	33
EM-MC-CON-3000	FRP Pile Cap Beam Plug / Pocket - Bent 25, A-D	3	20-Jan-28	25Jan-28	33
EM-MC-CON-3010	FRP Pile Cap Beam Plug / Pocket - Bent 26, A-D	3	25-Jan-28	28-Jan-28	33
EM-MC-CON-3020	FRP Pile Cap Beam Plug / Pocket - Bent 27, A-D	3	28-Jan-28	08-Feb-28	33
EM-MC-CON-3030	FRP Pile Cap Beam Plug / Pocket - Bent 28, A-D	3	08-Feb-28	11-Feb-28	33
EM-MC-CON-3040	FRP Pile Cap Beam Plug / Pocket - Bent 29, A-D	3	11-Feb-28	16-Feb-28	33
EM-MC-CON-3050	FRP Pile Cap Beam Plug / Pocket - Bent 30, A-D	3	16-Feb-28	21-Feb-28	33
EM-MC-CON-3060	FRP Pile Cap Beam Plug / Pocket - Bent 31, A-D	3	21-Feb-28	24-Feb-28	33
EM-MC-CON-3070	FRP Pile Cap Beam Plug / Pocket - Bent 32, A-D	3	24-Feb-28	29-Feb-28	33
EM-MC-CON-3080	FRP Pile Cap Beam Plug / Pocket - Bent 33, A-D	3	29-Feb-28	10-Mar-28	33
EM-MC-CON-3090	FRP Pile Cap Beam Plug / Pocket - Bent 34, A-D	3	10-Mar-28	15-Mar-28	33
EM-MC-CON-3100	FRP Pile Cap Beam Plug / Pocket - Bent 35, A-D	3	15-Mar-28	20-Mar-28	33
EM-MC-CON-3110	FRP Pile Cap Beam Plug / Pocket - Bent 36, A-D	3	20-Mar-28	23-Mar-28	33
EM-MC-CON-3120	FRP Pile Cap Beam Plug / Pocket - Bent 37, A-D	3	23-Mar-28	28-Mar-28	33



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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-3130	FRP Pile Cap Beam Plug / Pocket - Bent 38, A-D	3	28-Mar-28	31-Mar-28	33
EM-MC-CON-3140	FRP Pile Cap Beam Plug / Pocket - Bent 39, A-D	3	31-Mar-28	05-Apr-28	33
EM-MC-CON-3150	FRP Pile Cap Beam Plug / Pocket - Bent 41, A-D	3	05-Apr-28	17-Apr-28	33
EM-MC-CON-3160	FRP Pile Cap Beam Plug / Pocket - Bent 42, A-D	3	17-Apr-28	20-Apr-28	33
EM-MC-CON-3170	FRP Pile Cap Beam Plug / Pocket - Bent 43, A-D	3	20-Apr-28	25-Apr-28	42
EM-MC-CON-3180	FRP Pile Cap Beam Plug / Pocket - Bent 44, A-D	3	25-Apr-28	28-Apr-28	42
EM-MC-CON-3190	FRP Pile Cap Beam Plug / Pocket - Bent 45, A-D	3	28-Apr-28	09-May-28	42
EM-MC-CON-3200	FRP Pile Cap Beam Plug / Pocket - Bent 46, A-D	3	09-May-28	12-May-28	42
EM-MC-CON-3210	FRP Pile Cap Beam Plug / Pocket - Bent 47, A-D	3	12-May-28	17-May-28	42
EM-MC-CON-3220	FRP Pile Cap Beam Plug / Pocket - Bent 48, A-D	3	17-May-28	22-May-28	42
EM-MC-CON-3230	FRP Pile Cap Beam Plug / Pocket - Bent 49, A-D	3	22-May-28	25-May-28	42
EM-MC-CON-3240	FRP Pile Cap Beam Plug / Pocket - Bent 50, A-D	3	25-May-28	31-May-28	42
EM-MC-CON-3250	FRP Pile Cap Beam Plug / Pocket - Bent 51, A-D	3	31-May-28	12-Jun-28	42
EM-MC-CON-3260	FRP Pile Cap Beam Plug / Pocket - Bent 52, A-D	3	12-Jun-28	154un-28	42
EM-MC-CON-3270	FRP Pile Cap Beam Plug / Pocket - Bent 53, A-D	3	15-Jun-28	21-Jun-28	42
EM-MC-CON-3280	FRP Pile Cap Beam Plug / Pocket - Bent 54, A-D	3	21-Jun-28	26-Jun-28	42
EM-MC-CON-3290	FRP Pile Cap Beam Plug / Pocket - Bent 55, A-D	3	26-Jun-28	29-Jun-28	42
EM-MC-CON-3300	FRP Pile Cap Beam Plug / Pocket - Bent 56, A-D	3	29-Jun-28	12-Jul-28	42
EM-MC-CON-1610	CIP Concrete Completion	0		25-Oct-28	63
Transition / Approach Slabs		140	16-Feb-28	25-Oct-28	9
EM-MC-CON-3301	FRP Transition / Approach Slabs- Bent 1 to Bent 5	17	16-Feb-28	17-Mar-28	40
EM-MC-CON-3302	FRP Transition / Approach Slabs- Bent 5 to Bent 16	19	13-Apr-28	17-May-28	25
EM-MC-CON-3303	FRP Transition / Approach Slabs- Bent 16 to Bent 26	19	17-May-28	224un-28	25
EM-MC-CON-3304	FRP Transition / Approach Slabs- Bent 26 to Bent 36	19	22-Jun-28	27-Jul-28	25
EM-MC-CON-3305	FRP Transition / Approach Slabs- Bent 36 to Bent 46	19	27-Jul-28	30-Aug-28	25
EM-MC-CON-3306	FRP Transition / Approach Slabs- Bent 46 to Bent 56	16	28-Sep-28	25-Oct-28	9
PC Deck Double Tee CIP Closures		153	12-Jan-28	16-Oct-28	0
EM-MC-CON-3401	FRP Closures & Ends for Precast Deck - Double Tee Beams, Bent Bays (Spans) 1-14	30	12-Jan-28	08-Mar-28	48
EM-MC-CON-3402	FRP Closures for Precast Deck - Double Tee Beams, Bent Bays (Spans) 15-28	25	25-Apr-28	13-Jun-28	19
EM-MC-CON-3403	FRP Closures for Precast Deck - Double lee Beams, Bent Bays (Spans) 2942	25	19-Jul-28	30-Aug-28	0
EM-MC-CON-3404	FRP Closures for Precast Deck - Double Tee Beams, Bent Bays (Spans) 43-55	25	30-Aug-28	16-Oct-28	0
Mooring Dolphin		279	16-Feb-27	13-Mar-28	155
EM-MC-CON-1491	F/ 1- Dolphin Template	2	16-Feb-27	19-Feb-27	0
EM-MC-CON-1492	Set and Drive Piles	5	19-Feb-27	26-Feb-27	0
EM-MC-CON-1493	Cut Piles to Grade	2	26-Feb-27	08-Mar-27	283
EM-MC-CON-1494	Set Pile Plugs	3	07-Apr-27	12-Apr-27	267
EM-MC-CON-1495	Install Dolphin Precast Tubes	3	12-Apr-27	15-Apr-27	267
EM-MC-CON-1496	Install Rebar	4	15-Apr-27	21-Apr-27	267
EM-MC-CON-1497	Pour Dolphin	12	21-Apr-27	13-May-27	267
EM-MC-CON-1498	Install Dolphin Bollard	1	28-May-27	08-Jun-27	265
EM-MC-CON-1499	F/I Aluminum Walkway	3	08-Mar-28	13-Mar-28	120
Precast Deck & CIP Seams & Ends		210	10-Dec-27	29-Sep-28	70
EM-MC-CON-3350	Prep / Set Precast Deck - Double Tee Beams, Bent Bays (Spans) 1-14	10	10-Dec-27	12-Jan-28	48



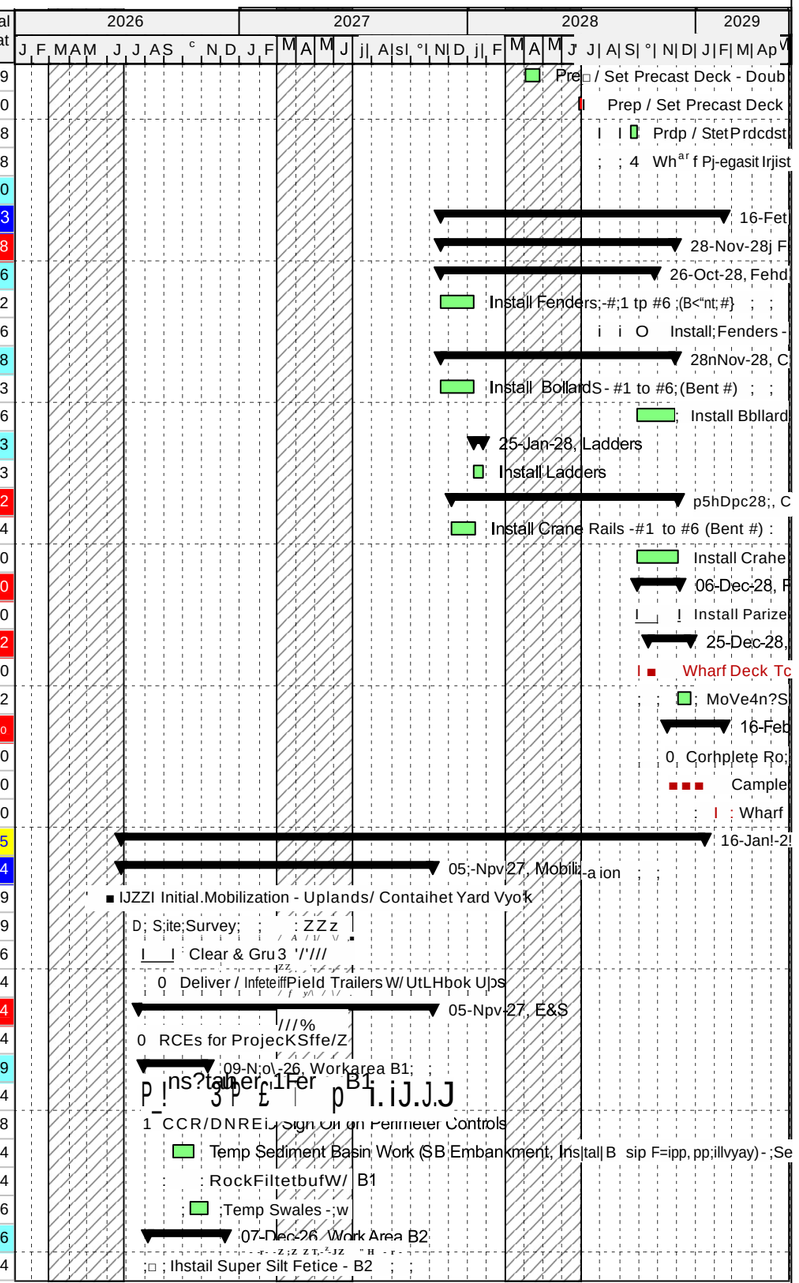
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-MC-CON-3360	Prep / Set Precast Deck - Double Tee Beams, Bent Bays (Spans) 15-28	10	04-Apr-28	25-Apr-28	19
EM-MC-CON-3370	Prep / Set Precast Deck - Double Tee Beams, Bent Bays (Spans) 29 -2	9	28-Jun-28	19-Jul-28	0
EM-MC-CON-3380	Prep / Set Precast Deck - Double Tee Beams, Bent Bays (Spans) 43-55	8	19-Sep-28	29-Sep-28	8
EM-MC-CON-1600	Wharf Precast Installation Completion	0		29-Sep-28	48
Crane Stops		0			0
Deck Accessories/Finishes		324	19-Nov-27	16-Feb-29	3
Furniture		266	19-Nov-27	28-Nov-28	58
Fenders		178	19-Nov-27	26-Oct-28	46
EM-MC-CON-1630	Install Fenders - #1 to #6 (Bent #)	16	19-Nov-27	1O-Jan-28	192
EM-MC-CON-1631	Install Fenders - #6 to #56 (Bent #)	16	29-Sep-28	26-Oct-28	46
Cleats/Bollards		266	19-Nov-27	28-Nov-28	58
EM-MC-CON-1660	Install Bollards - #1 to #6 (Bent #)	15	19-Nov-27	10-Jan-28	193
EM-MC-CON-1661	Install Bollards - #6 to #56 (Bent #)	30	29-Sep-28	28-Nov-28	46
Ladders		10	1O-Jan-28	25-Jan-28	213
EM-MC-CON-1670	Install Ladders	10	1O-Jan-28	25Jan-28	213
Crane Rail		260	06-Dec-27	05-Dec-28	42
EM-MC-CON-1621	Install Crane Rails - #1 to #6 (Bent #)	15	06-Dec-27	13-Jan-28	174
EM-MC-CON-1620	Install Crane Rails - #6 to #56 (Bent #)	35	29-Sep-28	05-Dec-28	30
Panzerbelt Trench		36	29-Sep-28	06-Dec-28	30
EM-MC-CON-1640	Install Panzerbelt	36	29-Sep-28	06-Dec-28	30
Asphalt course on Deck		50	16-Oct-28	25-Dec-28	42
EM-MC-CON-1680	Wharf Deck Topping - Asphalt course on Deck (Prep + Place)	19	16-Oct-28	15-Nov-28	0
EM-MC-CON-3410	Move-In / Set Up STS Cranes (By Others)	14	05-Dec-28	25-Dec-28	42
Road Marking / Wharf Closeout		67	15-Nov-28	16-Feb-29	0
EM-MC-CON-1690	Complete Road Markings / Striping Wharf Deck	4	15-Nov-28	21-Nov-28	0
EM-MC-CON-1691	Complete Wharf Funiture, Accessories, Barrier and Curbing Finishes	37	21-Nov-28	02-Feb-29	0
EM-MC-CON-3420	Wharf Inspection / Testing / Start Up	10	02-Feb-29	16-Feb-29	0
Container Yard / Upland Construction		671	23-Jun-26	16-Jan-29	25
Mobilization		359	23-Jun-26	05-Nov-27	284
EM-UC-CCN-1020	Initial Mobilization - Uplands / Container Yard Work	21	23-Jun-26	31Jul-26	9
EM-UC-CON-1030	Site Survey	5	14-Jul-26	20Jul-26	9
EM-UC-CCN-1100	Clear & Grub	20	29-Jul-26	14-Sep-26	196
EM-UC-CON-1035	Deliver / Install Field Trailers w/ Utl Hook Ups	5	25-Aug-26	31-Aug-26	24
E&S		339	21Jul-26	05-Nov-27	284
EM-UC-CON-1080	RCEs for Project Site	6	21-Jul-26	28-Jul-26	14
Work Area B1		74	29-Jul-26	09-Nov-26	69
EM-UC-CON-1091	Install Super Silt Fence - B1	7	29-Jul-26	06-Aug-26	14
EM-UC-CON-1097	CCR / DNREC Sign Off on Perimeter Controls	1	07-Aug-26	07-Aug-26	38
EM-UC-CON-2161	Temp Sediment Basin Work (SB Embankment, Install Bash Pipe, Spillway) - Sediment Basin BinB1	25	15-Sep-26	19-Oct-26	14
EM-UC-CON-1261	Rock Filter Outlets - B1	7	09-Oct-26	19-Oct-26	84
EM-UC-CON-1291	Temp Swales - B1	20	13-Oct-26	09-Nov-26	56
Work Area B2		87	07-Aug-26	07-Dec-26	56
EM-UC-CON-1092	Install Super Silt Fence - B2	7	07-Aug-26	17-Aug-26	14

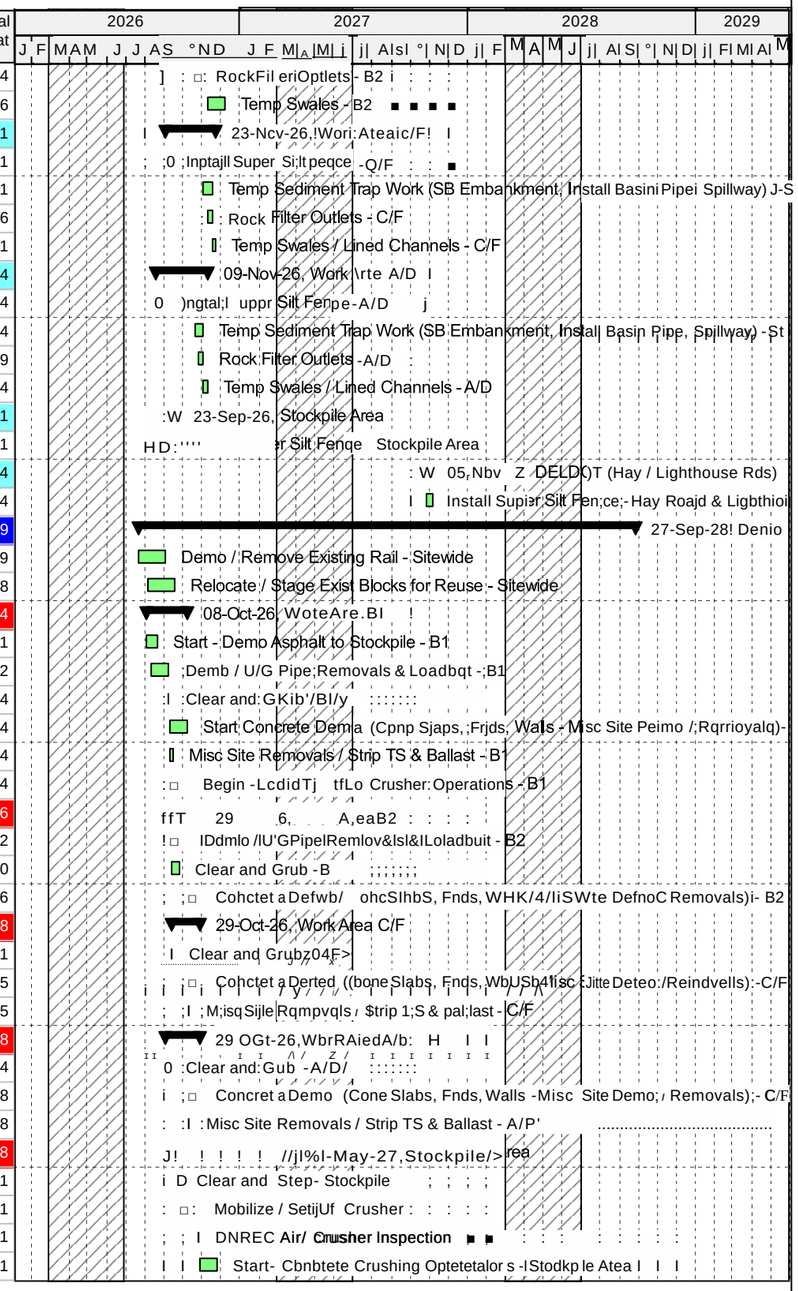


Actual Work
Remaining Work
Critical Remaining Work
Summary
Milestone

TASK filter: All Activities

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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-1102	Rock Filter Outlets - B2	7	20-Oct-26	28-Oct-26	84
EM-UC-CON-1112	Temp Swales - B2	20	10-Nov-26	07-Dec-26	56
Work Area C/F		58	03-Sep-26	23-Nov-26	31
EM-UC-CON-1093	Install Super Silt Fence - C/F	7	03-Sep-26	11-Sep-26	81
EM-UC-CON-2162	Temp Sediment Trap Work (SB Embankment, Install Basin Pipe, Spillway) - Sediment Trap C in C/F	10	03-Nov-26	16-Nov-26	31
EM-UC-CON-1262	Rock Filter Outlets - C/F	5	10-Nov-26	16-Nov-26	36
EM-UC-CON-1292	Temp Swales / Lined Channels - C/F	5	17-Nov-26	23-Nov-26	31
Work Area A/D		60	18-Aug-26	09-Nov-26	14
EM-UC-CON-1094	Install Super Silt Fence - A/D	12	18-Aug-26	02-Sep-26	14
EM-UC-CON-2163	Temp Sediment Trap Work (SB Embankment, Install Basin Pipe, Spillway) - Sediment Trap A in A/D	10	20-Oct-26	02-Nov-26	14
EM-UC-CON-1263	Rock Filter Outlets - A/D	5	27-Oct-26	02-Nov-26	19
EM-UC-CON-1293	Temp Swales / Lined Channels -A/D	5	03-Nov-26	09-Nov-26	14
Stockpile Area		8	14-Sep-26	23-Sep-26	221
EM-UC-CON-1095	Install Super Silt Fence - Stockpile Area	8	14-Sep-26	23-Sep-26	221
DELDOT (Hay / Lighthouse Rds)		7	28-Oct-27	05-Nov-27	284
EM-UC-CON-1096	Install Super Silt Fence - Hay Road & Lighthouse Road	7	28-Oct-27	05-Nov-27	284
Demo		570	123-Jul-26	| 27-Sep-28	79
EM-UC-CON-1055	Demo / Remove Existing Rail - Sitewide	30	23-Jul-26	02-Sep-26	59
EM-UC-CON-1065	Relocate / Stage Exist Blocks for Reuse - Sitewide	30	07-Aug-26	17-Sep-26	48
Work Area B1		49	03-Aug-26	| Q8-Oct-26	234
EM-UC-CON-1040	Start - Demo Asphalt to Stockpile - B1	14	03-Aug-26	20-Aug-26	21
EM-UC-CON-2170	Demo / U/G Pipe Removals & Loadout - B1	20	12-Aug-26	08-Sep-26	252
EM-UC-CON-1271	Clear and Grub - B1	2	1O-Sep-26	11-Sep-26	14
EM-UC-CON-1071	Start Concrete Demo (Cone Slabs, Fnds, Wais - Misc Site Demo / Removals)- B1	20	11-Sep-26	08-Oct-26	14
EM-UC-CON-1071A	Misc Site Removals / Strip TS & Ballast - B1	2	11-Sep-26	14-Sep-26	14
EM-UC-CON-1081	Begin - Load / Haul to Crusher Operations - B1	15	18-Sep-26	08-Oct-26	234
Work Area B2		37	09-Sep-26	29-Oct-26	296
EM-UC-CON-1072A	Demo / U/G Pipe Removals & Loadout - B2	21	09-Sep-26	07-Oct-26	252
EM-UC-CON-1272	Clear and Grub - B2	10	14-Sep-26	25-Sep-26	50
EM-UC-CON-1072	Concrete Demo (Cone Slabs, Fnds, Walls - Misc Site Demo / Removals) - B2	15	09-Oct-26	29-Oct-26	296
Work Area C/F		34	114-Sep-26	| 29-Oct-26	48
EM-UC-CON-1273	Clear and Grub - C/F	1	14-Sep-26	14-Sep-26	81
EM-UC-CON-1073	Concrete Demo (Cone Slabs, Fnds, Walls - Misc Site Demo /Removals) - C/F	15	09-Oct-26	29-Oct-26	45
EM-UC-CON-1073A	Misc Site Removals / Strip TS & Ballast - C/F	2	12-Oct-26	13-Oct-26	45
Work Area A/D		41	03-Sep-26	|29-Ock26	18
EM-UC-CON-1274	Clear and Grub - A/D	5	03-Sep-26	09-Sep-26	14
EM-UC-CON-1074	Concrete Demo (Cone Slabs, Fnds, Walls - Misc Site Demo / Removals) - C/F	15	09-Oct-26	29-Oct-26	18
EM-UC-CON-1074A	Misc Site Removals / Strip TS & Ballast -A/D	2	12-Oct-26	13-Oct-26	18
Stockpile Area		166	24-Sep-26	13-May-27	208
EM-UC-CON-1275	Clear and Grub - Stockpile	3	24-Sep-26	28-Sep-26	221
EM-UC-CON-1230	Mobilize / Set Up Crusher	20	29-Sep-26	26-Oct-26	221
EM-UC-CON-1230A	DNREC Air/ Crusher Inspection	1	27-Oct-26	27-Oct-26	221
EM-UC-CON-1230B	Start - Concrete Crushing Operataions - Stockpile Area	20	28-Oct-26	24-Nov-26	221



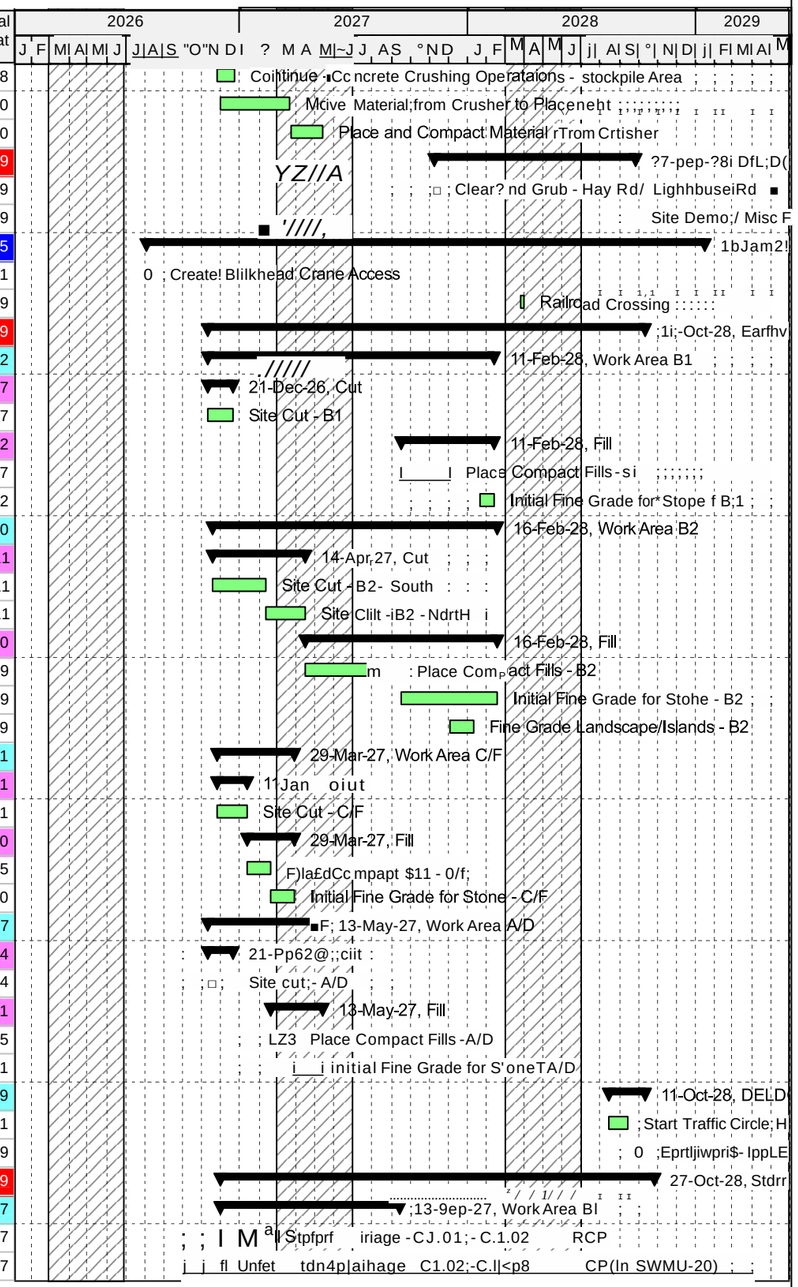
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-1230C	Continue - Concrete Crushing Operataions - Stockpile Area	20	25-Nov-26	22-Dec-26	278
EM-UC-CON-1380	Move Material from Crusher to Placement	48	01-Dec-26	22-Mar-27	140
EM-UC-CON-1500	Place and Compact Material - from Crusher	24	23-Mar-27	13-May-27	140
DELDOT (Hay / Lighthouse Rds)		233	08-Nov-27	27-Sep-28	79
EM-UC-CON-1276	Clear and Grub - Hay Rd / Lighhouse Rd	5	08-Nov-27	15-Nov-27	189
EM-UC-CON-1286	Site Demo / Misc Removals - DELDOT (Hay Rd and Lighthouse Rd)	10	14-Sep-28	27-Sep-28	79
Site		641	04-Aug-26	16Jan-29	25
EM-UC-CON-1220	Create Bulkhead Crane Access	10	04-Aug-26	17-Aug-26	21
EM-UC-CON-1880	Railroad Crossing	5	27-Mar-28	31-Mar-28	89
Earthwork - Cuts / Fills		502	10-Nov-26	11-Oct-28	79
Work Area B1		329	10-Nov-26	11-Feb-28	12
Cut		30	10-Nov-26	21-Dec-26	97
EM-UC-CON-1211	Site Cut - B1	30	10-Nov-26	21-Dec-26	97
Fill		70	16-Sep-27	11-Feb-28	12
EM-UC-CON-1391	Place Compact Fills - B1	45	16-Sep-27	03-Dec-27	27
EM-UC-CON-1451	Initial Fine Grade for Stone - B1	10	20-Jan-28	11-Feb-28	12
Work Area B2		327	17-Nov-26	16-Feb-28	40
Cut		80	17-Nov-26	14-Apr-27	11
EM-UC-CON-1210	Site Cut - B2 - South	40	17-Nov-26	10-Feb-27	11
EM-UC-CON-1212	Site Cut - B2 - North	40	11-Feb-27	14-Apr-27	11
Fill		220	15-Apr-27	16-Feb-28	40
EM-UC-CON-1390	Place Compact Fills - B2	73	15-Apr-27	15-Sep-27	9
EM-UC-CON-1450	Initial Fine Grade for Stone - B2	73	16-Sep-27	16-Feb-28	9
EM-UC-CON-1550	Fine Grade Landscape/Islands - B2	13	04-Dec-27	1O-Jan-28	59
Work Area C/F		90	24-Nov-26	29-Mar-27	241
Cut		35	24-Nov-26	11Jan-27	31
EM-UC-CON-1213	Site Cut - C/F	35	24-Nov-26	11Jan-27	31
Fill		40	12Jan-27	29-Mar-27	160
EM-UC-CON-1393	Place Compact Fills - C/F	20	12-Jan-27	18-Feb-27	65
EM-UC-CON-1453	Initial Fine Grade for Stone - C/F	20	19-Feb-27	29-Mar-27	160
Work Area A/D		133	10-Nov-26	13-May-27	117
Cut		30	10-Nov-26	21-Dec-26	14
EM-UC-CON-1214	Site Cut -A/D	30	10-Nov-26	21-Dec-26	14
Fill		40	19-Feb-27	13-May-27	81
EM-UC-CON-1394	Place Compact Fills -A/D	20	19-Feb-27	29-Mar-27	65
EM-UC-CON-1454	Initial Fine Grade for Stone - A/D	20	30-Mar-27	13-May-27	81
DELDOT (Hay / Lighthouse Rds)		41	16-Aug-28	11-Oct-28	79
EM-UC-CON-1890	Start Traffic Circle Hay Road	15	16-Aug-28	13-Sep-28	31
EM-UC-CON-1215	Earthwork - DELDOT (Hay Rd and Lighthouse Rd)	10	28-Sep-28	11-Oct-28	79
Storm Drainage		499	01-Dec-26	27-Oct-28	79
Work Area B1		205	01-Dec-26	13-Sep-27	97
EM-UC-CON-5010	Install Storm Drainage - C.1.01 - C.1.02 - 60" RCP	2	01-Dec-26	02-Dec-26	97
EM-UC-CON-5020	Install Storm Drainage - C1.02 - C.1.03 - 48" RCP (in SWMU-20)	6	03-Dec-26	10-Dec-26	97

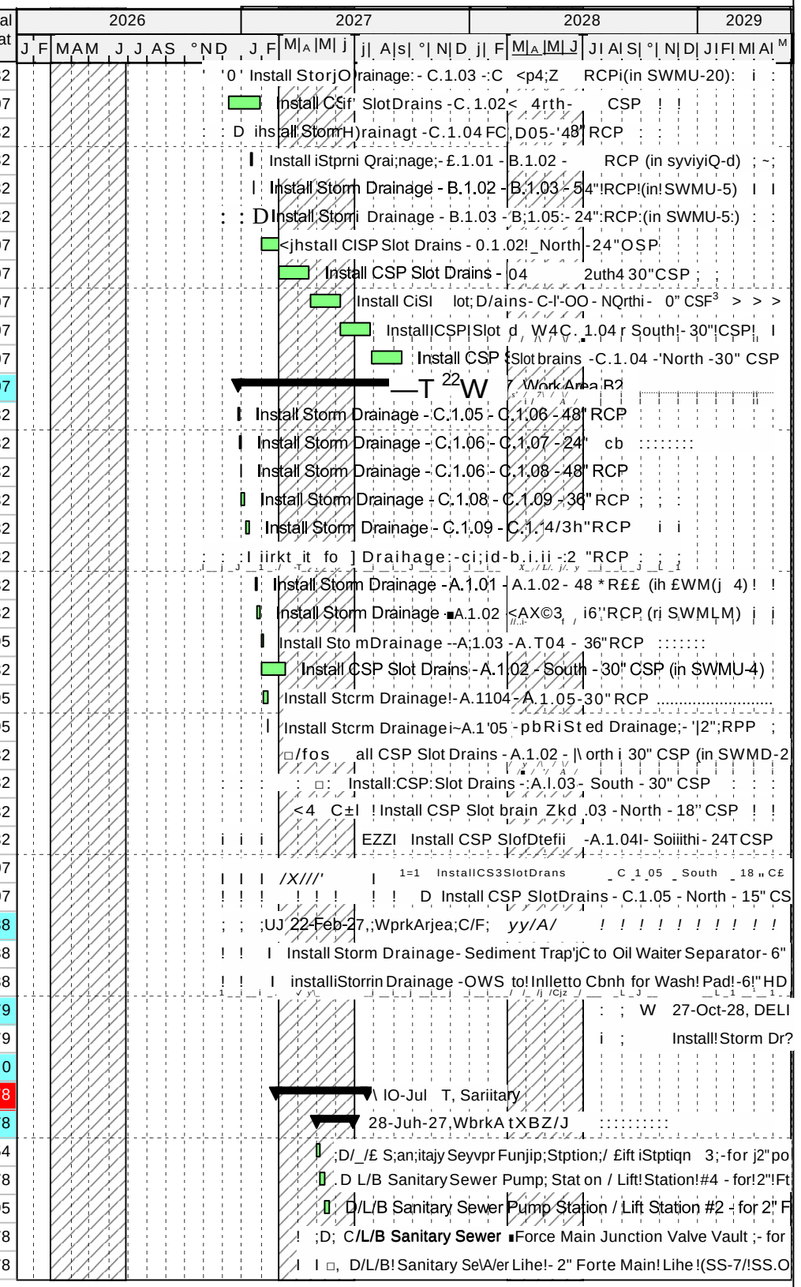


Actual Work | Remaining Work | Critical Remaining Work | Summary | Milestone

TASK filter: All Activities

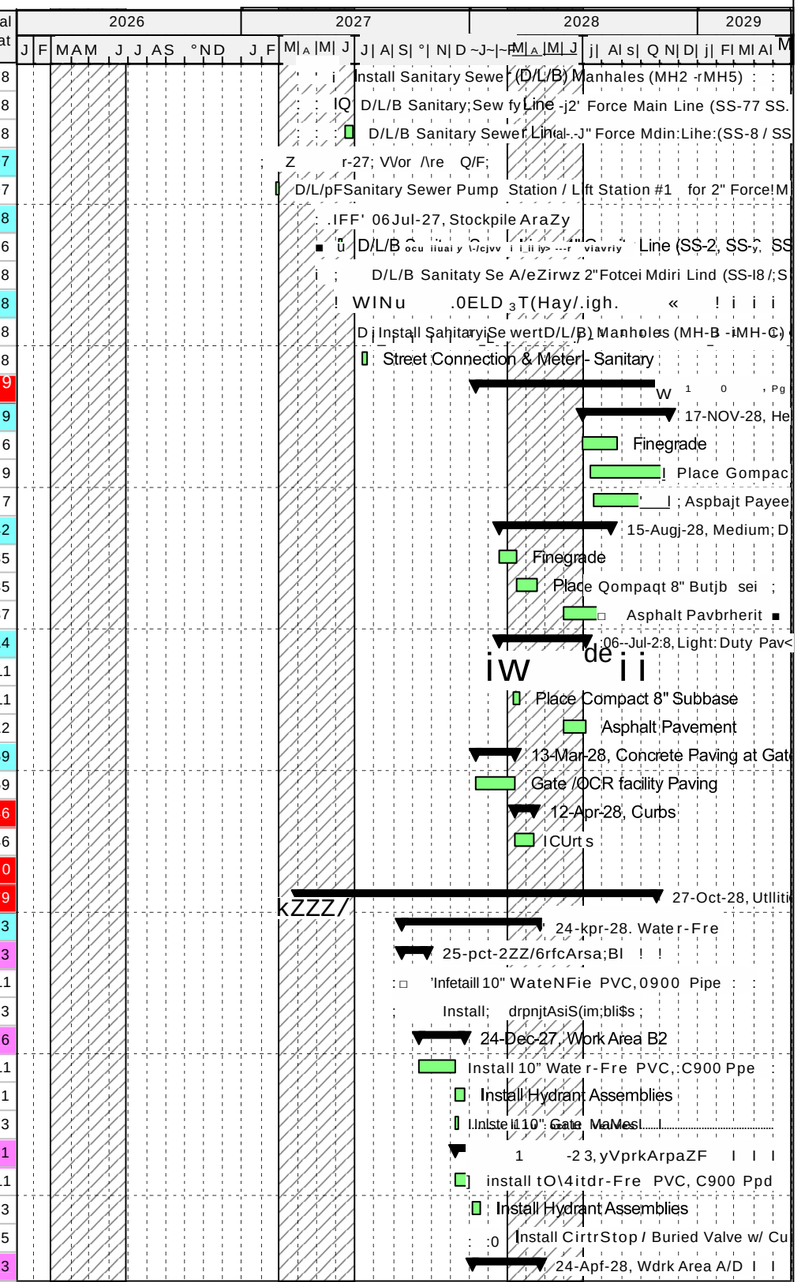
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-5030	Install Storm Drainage - C.1.03 - C.1.04 - 48" RCP (in SWMU-20)	6	11-Dec-26	18-Dec-26	132
EM-UC-CON-5190	Install CSP Slot Drains - C.1.02 - South - 30" CSP	36	11-Dec-26	29-Jan-27	97
EM-UC-CON-5040	Install Storm Drainage - C.1.04 - C.1.05 - 48" RCP	4	21-Dec-26	24-Dec-26	132
EM-UC-CON-5110	Install Storm Drainage - B.1.01 - B.1.02 - 54" RCP (in SWMU-5)	2	15-Jan-27	18-Jan-27	132
EM-UC-CON-5120	Install Storm Drainage - B.1.02 - B.1.03 - 54" RCP (in SWMU-5)	2	19-Jan-27	20-Jan-27	132
EM-UC-CON-5130	Install Storm Drainage - B.1.03 - B.1.05 - 24" RCP (in SWMU-5)	1	21-Jan-27	21Jan-27	132
EM-UC-CON-5200	Install CSP Slot Drains - C.1.02 - North - 24" CSP	21	01-Feb-27	01-Mar-27	97
EM-UC-CON-5210	Install CSP Slot Drains - C.1.03 - South - 30" CSP	35	02-Mar-27	19-Apr-27	97
EM-UC-CON-5220	Install CSP Slot Drains - C.1.03 - North - 30" CSP	35	20-Apr-27	07Jun-27	97
EM-UC-CON-5230	Install CSP Slot Drains - C.1.04 - South - 30" CSP	35	08-Jun-27	26-Jul-27	97
EM-UC-CON-5240	Install CSP Slot Drains - C.1.04 - North - 30" CSP	35	27-Jul-27	13-Sep-27	97
Work Area B2		216	25-Dec-26	22-Oct-27	97
EM-UC-CCN-5050	Install Storm Drainage - C.1.05 - C.1.06 - 48" RCP	2	25-Dec-26	28-Dec-26	132
EM-UC-CON-5060	Install Storm Drainage - C.1.06 - C.1.07 -24" RCP	1	29-Dec-26	29-Dec-26	132
EM-UC-CON-5070	Install Storm Drainage - C.1.06 - C.1.08 -48" RCP	1	30-Dec-26	30-Dec-26	132
EM-UC-CCN-5080	Install Storm Drainage - C.1.08 - C.1.09 -36" RCP	4	31-Dec-26	05-Jan-27	132
EM-UC-CON-5090	Install Storm Drainage - C.1.09 - C.1.10 -30" RCP	4	06-Jan-27	11Jan-27	132
EM-UC-CCN-5100	Install Storm Drainage -C 1.10 -C.1.11 -24" RCP	3	12Jan-27	14-Jan-27	132
EM-UC-CON-5140	Install Storm Drainage -A.1.01 - A.1.02 -48 " RCP (in SWMU -4)	2	22Jan-27	25Jan-27	132
EM-UC-CON-5150	Install Storm Drainage -A.1.02 - A.1.03 - 36" RCP (h SWMU J)	4	26Jan-27	29Jan-27	132
EM-UC-CON-5160	Install Storm Drainage -A.1.03 - A.1.04 - 36" RCP	4	01-Feb-27	04-Feb-27	195
EM-UC-CON-5270	Install CSP Slot Drains - A.1.02 - South - 30" CSP (in SWMU4)	29	01-Feb-27	11-Mar-27	132
EM-UC-CON-5170	Install Storm Drainage -A.1.04 - A.1.05 - 30" RCP	4	05-Feb-27	10-Feb-27	195
EM-UC-CON-5180	Install Storm Drainage -A.1.05 - OCR Shed Drainage - 12" RCP	2	11-Feb-27	12-Feb-27	195
EM-UC-CON-5280	Install CSP Slot Drains -A.1.02 - North - 30" CSP (in SWMU -20)	35	12-Mar-27	29-Apr-27	132
EM-UC-CON-5290	Install CSP Slot Drains - A.1.03 - South - 30" CSP	19	30-Apr-27	26-May-27	132
EM-UC-CON-5300	Install CSP Slot Drains -A.1.03 - North - 18" CSP	35	27-May-27	14Jul-27	132
EM-UC-CON-5310	Install CSP Slot Drains - A.1.04 - South - 24" CSP	37	15Jul-27	03-Sep-27	132
EM-UC-CON-5250	Install CSP Slot Drains - C.1.05 - South - 18" CSP	24	14-Sep-27	15-Oct-27	97
EM-UC-CON-5260	Install CSP Slot Drains - C.1.05 - North - 15" CSP	5	18-Oct-27	22-Oct-27	97
Work Area C/F		6	15-Feb-27	22-Feb-27	138
EM-UC-CON-5320	Install Storm Drainage - Sediment Trap C to Oil Water Separator - 6" HDPE	3	15-Feb-27	17-Feb-27	138
EM-UC-CON-5330	Install Storm Drainage - OWS to Inlet to Conn for Wash Pad -6 "HDPE	3	18-Feb-27	22-Feb-27	138
DELDOT (Hay / Lighthouse Rds)		12	12-Oct-28	27-Oct-28	79
EM-UC-CON-5340	Install Storm Drainage - DELDOT (Hay & Lighthouse Rds)	12	12-Oct-28	27-Oct-28	79
Work Area E - Wharf		0			0
Sanitary		105	23-Feb-27	19Jul-27	178
Work Area B2		42	30-Apr-27	28Jun-27	178
EM-UC-CON-5720	D/L/B Sanitary Sewer Pump Station / Lift Station #3 - for 2" Force Main Line (SS-7 / SS.01)	5	30-Apr-27	06-May-27	154
EM-UC-CON-5730	D/L/B Sanitary Sewer Pump Station / Lift Station #4 - for 2" Force Main Line (SS-7 / SS.01)	5	07-May-27	13-May-27	178
EM-UC-CON-5710	D/L/B Sanitary Sewer Pump Station / Lift Station #2 - for 2" Force Main Line (SS-8 / SS.07)	5	14-May-27	20-May-27	195
EM-UC-CON-5740	D/L/B Sanitary Sewer - Force Main Junction Valve Vault - for 2" Force Main Line (SS-7 / SS.01)	3	14-May-27	18-May-27	178
EM-UC-CON-5750	D/L/B Sanitary Sewer Line - 2" Force Main Line (SS-7 / SS.01) from Pump Station #3 to Valve Vault	7	19-May-27	27-May-27	178



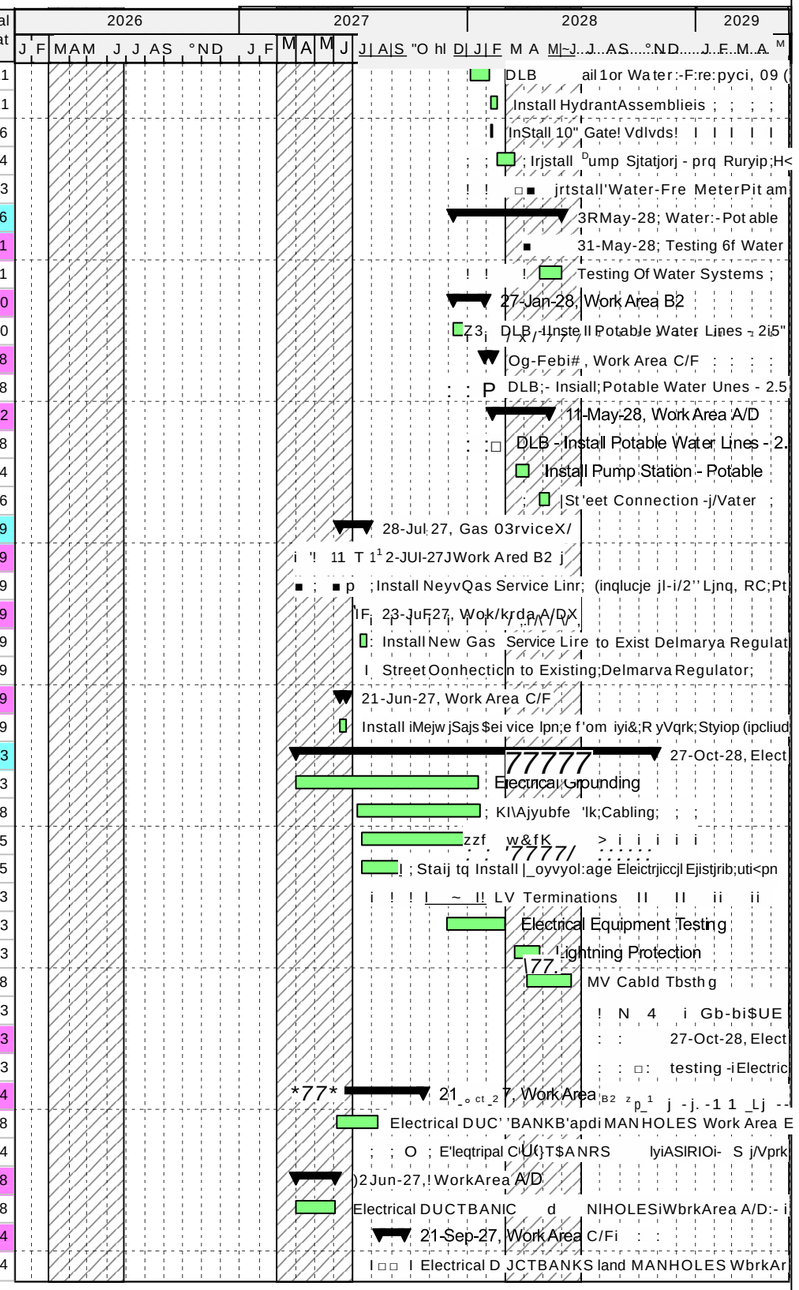
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-5770	Install Sanitary Sewer (D/L/B) Manholes (MH2 - MH5)	5	28-May-27	03Jun-27	178
EM-UC-CON-5760	D/L/B Sanitary Sewer Line - 2" Force Main Line (SS-7 / SS.01) from Valve Vault to PR MH 2	7	04-Jun-27	14-Jun-27	178
EM-UC-CON-5780	D/L/B Sanitary Sewer Line - 2" Force Main Line (SS-8 / SS.07) from Pump Station #2 to PR MH 2	10	15-Jun-27	28Jun-27	178
Work Area C/F		5	23-Feb-27	01-Mar-27	197
EM-UC-CON-5700	D/L/B Sanitary Sewer Pump Station / Lift Station #1 - for 2" Force Main Line (SS-1 / SS.01)	5	23-Feb-27	01-Mar-27	197
Stockpile Area		23	04-Jun-27	06Jul-27	178
EM-UC-CON-5810	D/L/B Sanitary Sewer Line - 4" Gravity Line (SS-2, SS-3, SSJ-, SS-5)	5	04-Jun-27	10Jun-27	196
EM-UC-CON-5790	D/L/B Sanitary Sewer Line - 2" Force Main Line (SS-8 / SS.07) from Pump Station #1 to PR MH B	6	29-Jun-27	06-Jul-27	178
DELDOT (Hay / Lighthouse Rds)		9	07-Jul-27	19Jul-27	178
EM-UC-CON-5800	Install Sanitary Sewer (D/L/B) Manholes (MH-B - MH-C) & 8" PVC Gravity Line	4	07-Jul-27	12Jul-27	178
EM-UC-CON-5820	Street Connection & Meter - Sanitary	5	13-Jul-27	19Jul-27	178
Paving		224	11Jan-28	17-Nov-28	9
Heavy Duty Pavement		101	30-Jun-28	17-Nov-28	9
EM-UC-CON-1580	Finegrade	32	30-Jun-28	24-Aug-28	6
EM-UC-CON-1640	Place Compact 8" Subbase	78	13Jul-28	08-Nov-28	9
EM-UC-CON-1730	Asphalt Pavement	80	17-Jul-28	17-Nov-28	7
Medium Duty Pavement		129	17-Feb-28	15-Aug-28	42
EM-UC-CON-1510	Finegrade	18	17-Feb-28	15-Mar-28	35
EM-UC-CON-1570	Place Compact 8" Subbase	20	16-Mar-28	17-Apr-28	35
EM-UC-CON-1650	Asphalt Pavement	50	30-May-28	15-Aug-28	37
Light Duty Pavement		101	17-Feb-28	06-Jul-28	14
EM-UC-CON-1560	Finegrade	14	17-Feb-28	10-Mar-28	11
EM-UC-CON-1610	Place Compact 8" Subbase	8	11-Mar-28	20-Mar-28	11
EM-UC-CON-1630	Asphalt Pavement	25	30-May-28	06-Jul-28	12
Concrete Paving at Gate / OCR Facility		40	11Jan-28	13-Mar-28	59
EM-UC-CON-1620	Gate /OCR facility Paving	40	11Jan-28	13-Mar-28	59
Curbs		15	14-Mar-28	12-Apr-28	46
EM-UC-CON-1700	Curbs	15	14-Mar-28	12-Apr-28	46
Sidewalk		0			0
Utilities		412	01-Apr-27	27-Oct-28	79
Water- Fire		160	14-Sep-27	24-Apr-28	193
Work Area B1		30	14-Sep-27	25-Oct-27	163
EM-UC-CON-1993	Install 10"Water-Fre PVC,C900 Ppe	20	14-Sep-27	11-Oct-27	111
EM-UC-CON-1963	Install Hydrant Assemblies	10	12-Oct-27	25-Oct-27	163
Work Area B2		54	12-Oct-27	24-Dec-27	276
EM-UC-CON-1992	Install 10" Water-Fre PVC,C900 Ppe	42	12-Oct-27	08-Dec-27	111
EM-UC-CON-1962	Install Hydrant Assemblies	12	09-Dec-27	24-Dec-27	131
EM-UC-CON-2030	Install 10" Gate Valves	4	09-Dec-27	14-Dec-27	183
Work Area C/F		50	09-Dec-27	16-Feb-28	241
EM-UC-CON-1994	Install 10"Water-Fre PVC,C900 Ppe	20	09-Dec-27	05-Jan-28	111
EM-UC-CON-1964	Install Hydrant Assemblies	10	06-Jan-28	19Jan-28	123
EM-UC-CON-2010	Install Curb Stop / Buried Valve w/ Curb Box	5	10-Feb-28	16-Feb-28	165
Work Area A/D		78	06-Jan-28	24-Apr-28	193



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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-1991	DLB - Install 10" Water-Fre PVC, C900 Pipe	22	06-Jan-28	04-Feb-28	111
EM-UC-CON-1961	Install Hydrant Assemblies	9	07-Feb-28	17-Feb-28	111
EM-UC-CON-2031	Install 10" Gate Valves	3	07-Feb-28	09-Feb-28	246
EM-UC-CON-1980	Install Pump Station - Fire Pump House 1250 GPM 100 PSI	15	18-Feb-28	17-Mar-28	74
EM-UC-CON-1990	Install Water-Fire MeterPit and Backflow Preventer Enclosure	26	20-Mar-28	24-Apr-28	113
Water- Potable		125	09-Dec-27	31-May-28	186
Testing of Water Systems		20	25-Apr-28	31-May-28	131
A7240	Testing of Water Systems	20	25-Apr-28	31-May-28	131
Work Area B2		18	09-Dec-27	27Jan-28	110
EM-UC-CON-1930	DLB - Install Potable Water Unes - 2.5" PVC	18	09-Dec-27	27-Jan-28	110
Work Area C/F		9	28-Jan-28	09-Feb-28	168
EM-UC-CON-1931	DLB - Install Potable Water Unes - 2.5" PVC	9	28-Jan-28	09-Feb-28	168
Work Area A/D		66	10-Feb-28	11-May-28	112
EM-UC-CON-1932	DLB - Install Potable Water Unes - 2.5" PVC	10	10-Feb-28	23-Feb-28	168
EM-UC-CON-1942	Install Pump Station - Potable	15	20-Mar-28	07-Apr-28	124
EM-UC-CON-2000	Street Connection - Water	7	25-Apr-28	11-May-28	76
Gas Service		31	11-Jun-27	23-Jul-27	409
Work Area B2		15	22-Jun-27	12Jul-27	409
EM-UC-CON-6500	Install New Gas Service Line (include 1-1/2" Line, PC Pts, & Valve / box)	15	22Jun-27	12Jul-27	409
Work Area A/D		9	13Jul-27	23Jul-27	409
EM-UC-CON-7000	Install New Gas Service Line to Exist Delmarva Regulator (include 1-1/2" Line, PC Pts, & Valve / box)	8	13-Jul-27	22Jul-27	409
EM-UC-CON-7020	Street Connection to Existing Delmarva Regulator	1	23-Jul-27	23Jul-27	409
Work Area C/F		7	11-Jun-27	21Jun-27	409
EM-UC-CON-7010	Install New Gas Service Line from M&R Work Shop (include 1-1/2" Line, PC Pts, & Valve / box)	7	11-Jun-27	21-Jun-27	409
Electrical Distribution		412	01-Apr-27	27-Oct-28	3
RD1090	Electrical Grounding	210	01-Apr-27	19Jan-28	83
RD1020	MV Ductbank Cabling	142	08-Jul-27	21Jan-28	78
RD1040	LV Cabling	143	15Jul-27	31Jan-28	125
EM-UC-CON-1420	Start to Install Low Voltage Electrical Distribution	30	16Jul-27	15-Sep-27	195
RD1110	MV Terminations	62	26-Oct-27	19Jan-28	83
RD1190	Electrical Equipment Testhg	67	30-Nov-27	01-Mar-28	113
RD1150	Lightning Protection	30	16-Mar-28	26-Apr-28	113
RD1900	MV Cable Testing	50	06-Apr-28	14Jun-28	78
RD1890	RIGGS-DISTLER SUBSTANTIAL COMPLETION	0		27-Oct-28*	3
Electrical Testing		22	28-Sep-28	27-Oct-28	3
A7230	Testing - Electrical Systems	22	28-Sep-28	27-Oct-28	3
Work Area B2 / B1		100	04-Jun-27	21-Oct-27	94
RD1870	Electrical DUCTBANKS and MANHOLES WorkArea B2 North - RD PHASE #2 - Outgate Reefer Sub #1	47	04-Jun-27	09-Aug-27	78
RD1050	Electrical DUCTBANKS and MANHOLES WorkArea B2 South - RD PHASE #4 - East Side of In Gate / Agriculture	21	23-Sep-27	21-Oct-27	94
Work Area A/D		45	01-Apr-27	02-Jun-27	78
RD1860	Electrical DUCTBANKS and MANHOLES WorkArea A/D - RD PHASE #1 - Substation / In-Gate OCR	45	01-Apr-27	02Jun-27	78
Work Area C/F		30	11-Aug-27	21-Sep-27	94
RD1010	Electrical DUCTBANKS and MANHOLES WorkArea C/F - RD PHASE #3 - Parking / EV Charge Substation	30	11-Aug-27	21-Sep-27	94



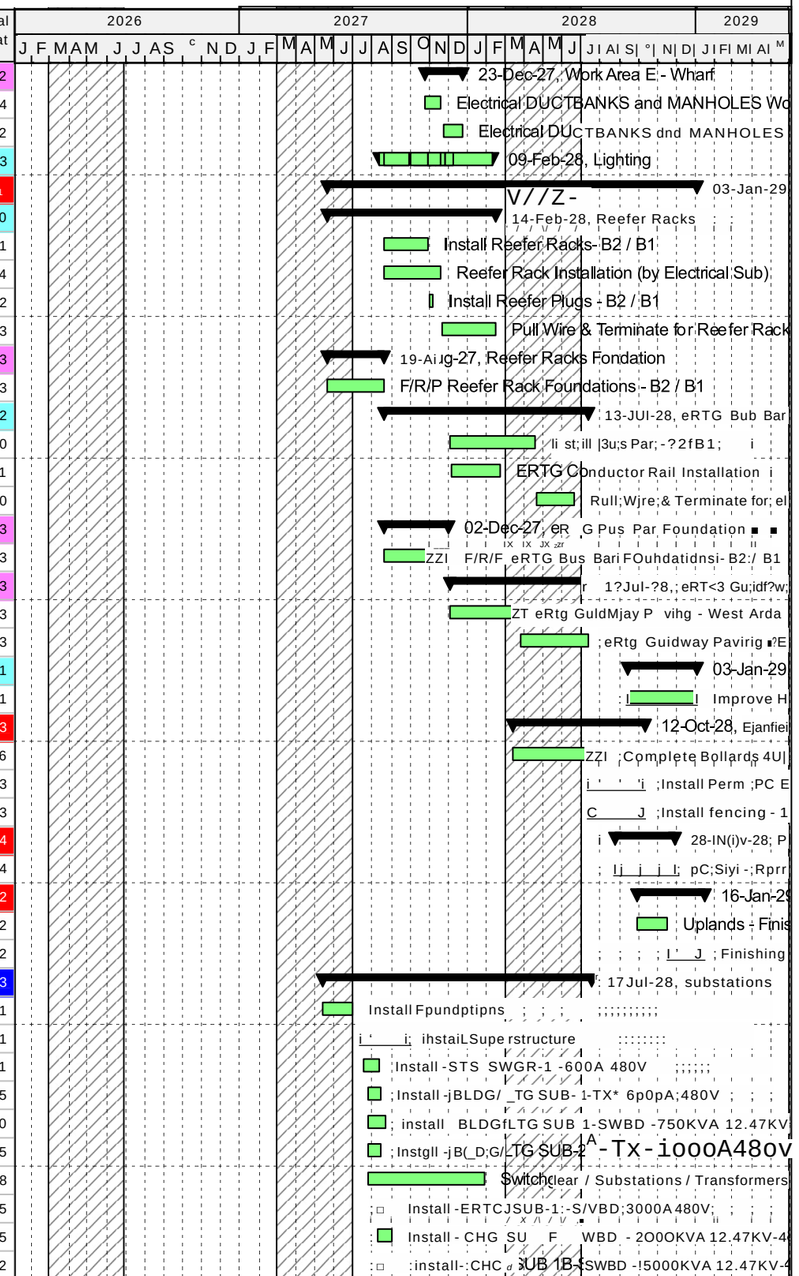
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PROJECT BASELINE SCHEDULE
D/B - CONTAINER YARD & WHARF CONSTRUCTION

DELAWARE CONTAINER TERMINAL PROJECT
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PROJECT BASELINE SCHEDULE
ALL ACTIVITIES FILTER

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Work Area E - Wharf		44	25-Oct-27	23-Dec-27	102
RD1880	Electrical DUCTBANKS and MANHOLES Work Area E - Wharf South - RD PHASE #5 - Wharf Southside	20	25-Oct-27	19-Nov-27	94
RD1030	Electrical DUCTBANKS and MANHOLES WorkArea B1 & Work Area E - Wharf North - RD PHASE #6 - Wharf No	22	24-Nov-27	23-Dec-27	102
Lighting		130	12-Aug-27	09-Feb-28	113
Yard Features		424	21-May-27	03-Jan-29	31
Reefer Racks		192	21-May-27	14-Feb-28	120
EM-UC-CON-1720	Install Reefer Racks- B2 / B1	40	20-Aug-27	29-Oct-27	91
RD1100	Reefer Rack Installation (by Electrical Sub)	66	20-Aug-27	19-Nov-27	134
EM-UC-CON-1770	Install Reefer Plugs - B2 / B1	5	01-Nov-27	05-Nov-27	92
EM-UC-CON-1790	Pull Wire & Terminate for Reefer Racks - B2 / B1	30	22-Nov-27	14-Feb-28	83
Reefer Racks Fondation		40	21-May-27	19-Aug-27	43
EM-UC-CON-1490	F/R/P Reefer Rack Foundations - B2 / B1	40	21-May-27	19-Aug-27	43
eRTG Bus Bar		235	20-Aug-27	13Jul-28	62
EM-UC-CON-1750	Install Bus Bar - B2 / B1	60	03-Dec-27	19-Apr-28	50
RD1160	ERTG Conductor Rail Installation	57	07-Dec-27	23-Feb-28	121
EM-UC-CON-1920	Pull Wire & Terminate foreRTG Bus Bar - B2 / B1	30	20-Apr-28	21-Jun-28	50
eRTG Bus Bar Foundation		57	20-Aug-27	02-Dec-27	43
EM-UC-CON-1680	F/R/P eRTG Bus Bar Foundations - B2 / B1	57	20-Aug-27	02-Dec-27	43
eRTG Guideway Paving		98	03-Dec-27	13Jul-28	43
EM-UC-CON-1760	eRtg Guidway Paving - West Area - B2 / B1	50	03-Dec-27	24-Mar-28	43
EM-UC-CON-1761	eRtg Guidway Paving - East Area - B2 / B1	48	27-Mar-28	13Jul-28	43
Hay Rd DelDOT Improvements		55	14-Sep-28	03-Jan-29	31
EM-UC-CON-1870	Improve Hay Rd (DelDOT)	55	14-Sep-28	03Jan-29	31
Barrier, Fencing, & Bollards		103	14-Mar-28	12-Oct-28	73
A7280	Complete Bollards - Uplands	70	14-Mar-28	11-Aug-28	106
A7260	Install Perm PC Barrier- Uplands	45	14Jul-28	11-Oct-28	43
A7270	Install Fencing - Uplands	46	14Jul-28	12-Oct-28	73
Post Construction Stormwater Management (PCSM)		50	25-Aug-28	28-Nov-28	44
A7250	PCSM - Remove and Convert E&S to Final Conditions - Including Basin Conversion	50	25-Aug-28	28-Nov-28	44
Uplands Close Outworks		53	29-Sep-28	16Jan-29	22
A7220	Uplands - Finish Road Markings / Striping Work	25	29-Sep-28	17-Nov-28	22
A7210	Finishing Works / Punchlist	28	20-Nov-28	16-Jan-29	22
Substations		307	14-May-27	17Jul-28	73
EM-UC-CON-1270	Install Foundations	25	14-May-27	30Jun-27	81
EM-UC-CON-1320	Install Superstructure	40	13-Jul-27	24-Sep-27	81
EM-UC-CON-6630	Install - STS SWGR-1 - 600A480V	12	19Jul-27	13-Aug-27	121
EM-UC-CON-6430	Install - BLDG/LTG SUB-1-TX - 6000A480V	7	26-Jul-27	16-Aug-27	185
EM-UC-CON-6470	Install - BLDG/LTG SUB-1-SWBD -750KVA 12.47KV480V	12	26-Jul-27	23-Aug-27	180
EM-UC-CON-6510	Install - BLDG/LTG SUB-2A-TX - 1000A-480V	7	26Jul-27	16-Aug-27	185
RD1180	Switchgear / Substations / Transformers	134	26-Jul-27	27-Jan-28	78
EM-UC-CON-6070	Install - ERTG SUB-1-SWBD 3000A480V	17	09-Aug-27	31-Aug-27	195
EM-UC-CON-6230	Install - CHG SUB 1A-SWBD - 2000KVA 12.47KV-480V	17	09-Aug-27	31-Aug-27	195
EM-UC-CON-6310	Install - CHG SUB 1B-SWBD - 5000KVA 12.47KV-480V	20	09-Aug-27	10-Sep-27	192

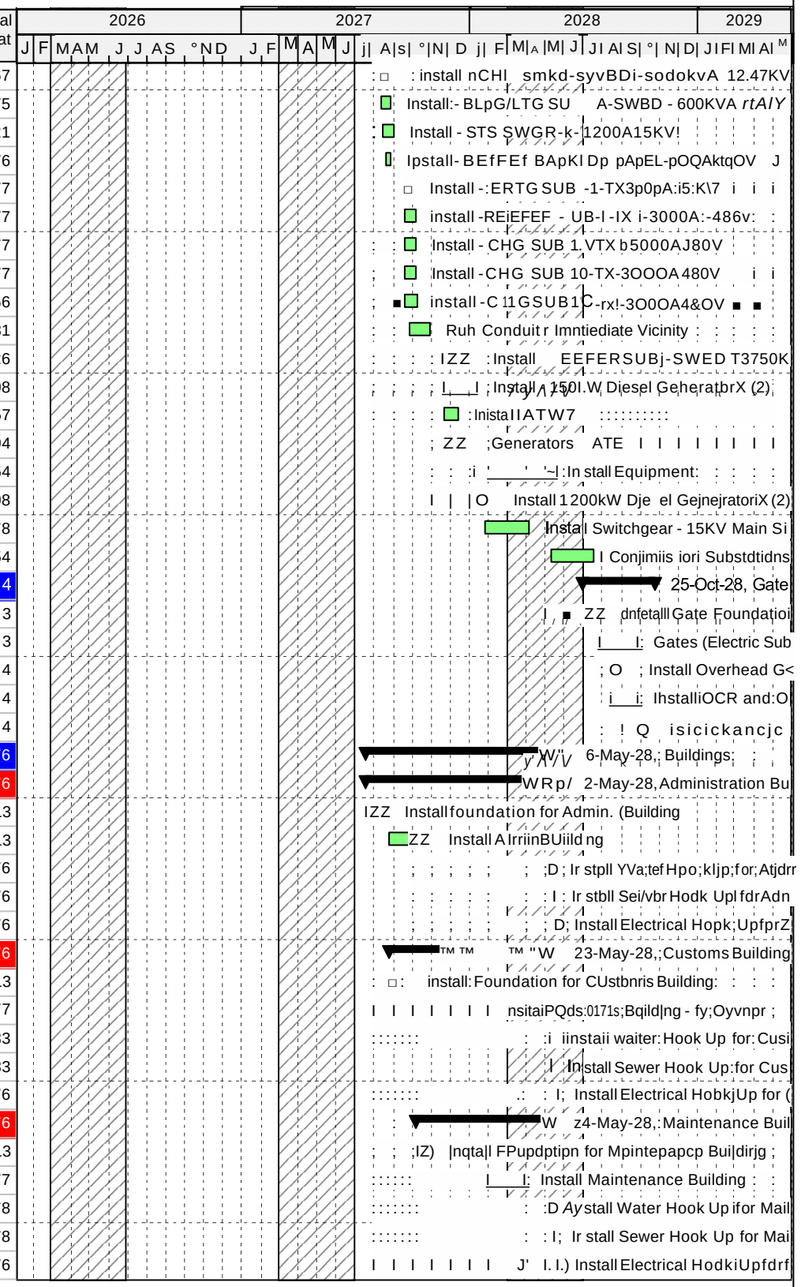


Actual Work | Critical Remaining Work | Summary
Remaining Work | Milestone

TASK filter: All Activities

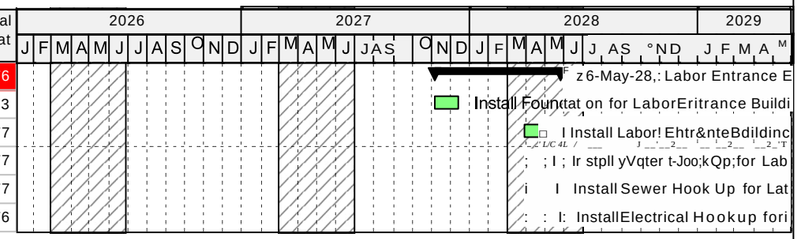
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
EM-UC-CON-6390	Install -CHG SUB 1C-SWBD -5000KVA 12.47KV-480V	20	12-Aug-27	16-Sep-27	167
EM-UC-CON-6550	Install - BLDG/LTG SUB-2A-SWBD - 500KVA 12.47KV480V	12	12-Aug-27	27-Aug-27	175
EM-UC-CON-6670	Install - STS SWGR-2 - 1200A 15KV	12	16-Aug-27	31-Aug-27	121
EM-UC-CON-6590	Install - REEFER RACK DP PANEL-800A 480V	5	20-Aug-27	27-Aug-27	176
EM-UC-CON-6030	Install - ERTG SUB -1-TX 3000A15KV	10	20-Sep-27	06-Oct-27	177
EM-UC-CON-6110	Install - REEFER SUB-1-TX - 3000A- 480V	10	20-Sep-27	06-Oct-27	177
EM-UC-CON-6190	Install - CHG SUB 1A-TX - 5000AJ80V	10	20-Sep-27	06-Oct-27	177
EM-UC-CON-6270	Install -CHG SUB 1B-TX - 3000A 480V	10	20-Sep-27	06-Oct-27	177
EM-UC-CON-6350	Install -CHG SUB 1C-TX-6000A480V	10	20-Sep-27	08-Oct-27	156
EM-UC-CON-1400	Run Conduit - Immediate Vicinity	20	27-Sep-27	29-Oct-27	81
EM-UC-CON-6150	Install - REEFER SUB-1-SWBD - 3750KVA 12.47KV-480V	20	19-Nov-27	14Jan-28	126
EM-UC-CON-6710	Install - 150kW Diesel Generator X (2)	14	22-Nov-27	12Jan-28	98
EM-UC-CON-6790	Install ATS s	10	22-Nov-27	14-Dec-27	57
RD1140	Generators &ATS	37	22-Nov-27	11Jan-28	94
EM-UC-CON-1830	Install Equipment	60	11-Jan-28	11-May-28	54
EM-UC-CON-6750	Install - 200kW Diesel Generator X (2)	15	12-Jan-28	14-Feb-28	98
RD1170	Install Switchgear - 15KV Main Sub-1 w/Enclosure -3000A15KV	50	27-Jan-28	05-Apr-28	78
EM-UC-CON-1940	Commission Substations	30	12-May-28	17Jul-28	54
Gate Complex		84	30-Jun-28	25-Oct-28	4
EM-UC-CON-1800	Install Gate Foundations	15	30Jun-28	11-Aug-28	3
RD1130	Gates (Electric Sub Installations)	45	27Jul-28	27-Sep-28	3
EM-UC-CON-1840	Install Overhead Gate Structure	20	14-Aug-28	18-Sep-28	4
EM-UC-CON-1910	Install OCR and Other Gate Equipment	25	16-Aug-28	27-Sep-28	4
EM-UC-CON-1970	Test OCR and Other Gate Equipment	15	28-Sep-28	25-Oct-28	4
Buildings		154	19Jul-27	26-May-28	76
Administration Building		150	19Jul-27	22-May-28	76
EM-UC-CON-1330	Install Foundation for Admin. Building	20	19Jul-27	25-Aug-27	113
EM-UC-CON-1360	Install Admin Building	40	26-Aug-27	04-Nov-27	113
EM-UC-CON-2040	Install Water HookUp for Admin. Building	3	12-May-28	16-May-28	76
EM-UC-CON-2080	Install Sewer Hook Up for Admin. Building	2	17-May-28	18-May-28	76
EM-UC-CON-2120	Install Electrical Hook Up for Admin. Building	2	19-May-28	22-May-28	76
Customs Building		130	26-Aug-27	23-May-28	76
EM-UC-CON-1350	Install Foundation for Customs Building	20	26-Aug-27	30-Sep-27	113
EM-UC-CON-1440	Install Customs Building - By Owner	0	31Jan-28*	31Jan-28	77
EM-UC-CON-2050	Install Water HookUp for Customs Buiding- By Owner	0	12-May-28	12-May-28	83
EM-UC-CON-2090	Install Sewer Hook Up for Customs Building - By Owner	0	12-May-28	12-May-28	83
EM-UC-CON-2130	Install Electrical Hook Up for Customs Building - By Owner	0	23-May-28	23-May-28	76
Maintenance Building		112	08-Oct-27	24-May-28	76
EM-UC-CON-1410	Install Foundation for Maintenance Building	20	08-Oct-27	04-Nov-27	113
EM-UC-CON-1460	Install Maintenance Building	30	31-Jan-28	29-Mar-28	77
EM-UC-CON-2060	Install Water HookUp for Maintenance Building	3	12-May-28	16-May-28	78
EM-UC-CON-2100	Install Sewer Hook Up for Maintenance Building	2	17-May-28	18-May-28	78
EM-UC-CON-2140	Install Electrical Hook Up for Maintenance Building	2	23-May-28	24-May-28	76



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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float
Labor Entrance Building		94	05-Nov-27	26-May-28	76
EM-UC-CON-1430	Install Foundation for Labor Entrance Building	20	05-Nov-27	13-Dec-27	123
EM-UC-CON-1480	Install Labor Entrance Building	20	30-Mar-28	16-May-28	77
EM-UC-CON-2070	Install Water HookUp for Labor Entrance Buiding	3	17-May-28	19-May-28	77
EM-UC-CON-2110	Install Sewer Hook Up for Labor Entrance Building	2	22-May-28	23-May-28	77
EM-UC-CON-2150	Install Electrical Hook Up for Labor Entrance Building	2	25-May-28	26-May-28	76



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Appendix B - Quality Control

ENSTRUCTURE

DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL

EDGEMOOR, DELAWARE

ENSTRUCTURE DOT LLC

PERMIT SET - PHASE ONE PAVING PLAN

DRAWING INDEX		
SHEET No.	DRAWING No.	DRAWING TITLE
01	96-GN-0001	COVER SHEET AND DRAWING INDEX
02	96-CI-2500-P1	PAVEMENTS LAYOUT KEY PLAN - PHASE 1
03	96-CI-2501-P1	PAVEMENTS LAYOUT PLAN SHEET 1 - PHASE 1
04	96-CI-2502-P1	PAVEMENTS LAYOUT PLAN SHEET 2 - PHASE 1
05	96-CI-2503-P1	PAVEMENTS LAYOUT PLAN SHEET 3 - PHASE 1
06	96-CI-2504-P1	PAVEMENTS LAYOUT PLAN SHEET 4 - PHASE 1
07	96-CI-2505-P1	PAVEMENTS LAYOUT PLAN SHEET 5 - PHASE 1
08	96-CI-2506-P1	PAVEMENTS LAYOUT PLAN SHEET 6 - PHASE 1
09	96-CI-5501	PAVEMENTS SECTIONS SHEET 1
10	96-CI-5502	PAVEMENTS SECTIONS SHEET 2

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

						AD	MS
1	03.02.25	DNREC PERMITTING SUBMITTAL				81	APVD
NO.	DATE	REVISION		CHK	APVD		
DSGN	D. KNIGHT	DR	D. KNIGHT	M. SHEELEY	C. LAWRENCE		

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ENSTRUCTURE

DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PERMIT SET
COVER SHEET
AND DRAWING INDEX

NOT TO SCALE
VES 5 SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-GN-0001
SHEET	01

PERMIT REVIEW SET

SHEET 1

SHEET 2

SHEET 3

SHEET 4

SHEET 5

SHEET 6

N: 636767.81'
E: 631170.93'
EL: 12.62'
SMAG

N: 637300.69'
E: 631787.93'
EL: 12.62'
SMAG

N: 637622.67'
E: 632187.53'
EL: 23.85'
SMAG/CONC

N: 638043.11'
E: 633162.94'
EL: 28.39'
SMAG

N: 638286.48'
E: 633602.36'
EL: 22.90'
SMAG 117

N: 638562.60'
E: 633940.16'
EL: 18.49'
SMAG 116

N: 635921.32'
E: 632323.57'
EL: 14.01'
SMAG

N: 637904.65'
E: 634010.51'
EL: 9.09'
SMAG

XMAG PANEL

SWMU-1 & 3
SWMU-1
SWMU-2
SWMU-4
SWMU-5
SWMU-6A
SWMU-6B
SWMU-6C
SWMU-6D
SWMU-13A
SWMU-13B
SWMU-25

SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6

KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

0 150 300 450
1" = 150'

NO.	DATE	REVISION	BY	APVD
A.	03.02.25	DNREC PERMITTING SUBMITTAL	AD	MS
DSGN	DR	CHK	APVD	

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PERMIT SET
PAVEMENTS LAYOUT
KEY PLAN
PHASE 1

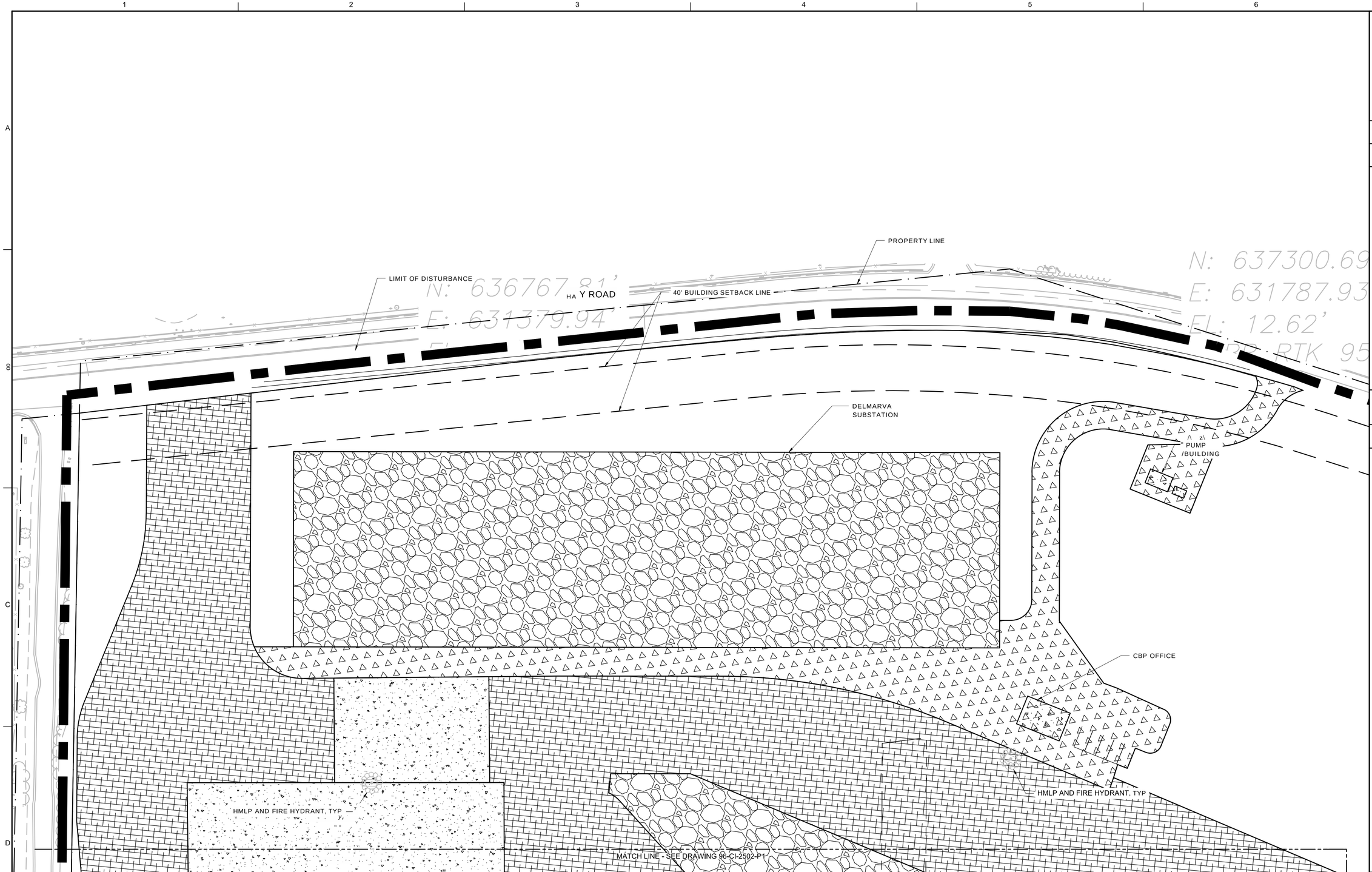
AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2500-P1
SHEET	02

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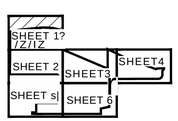


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

1. LEGEND SHOWS ALL PAVEMENT TYPES FOR THE PROJECT. ALL TYPES SHOWN IN LEGEND MAY NOT APPEAR IN PLAN.
2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.



KEY PLAN

0 40 80 120

1" = 40'

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

NO.	DATE	DSGN	DR	CHK	APVD
A	03.02.25	A. DUBOSE	J. PEASE	B. RAHIMZADEH	M. SHEELEY

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REVISION BY AD MS APVD

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DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PERMITSET
PAVEMENTS LAYOUT PLAN
SHEET 1
PHASE 1

AS SHOWN

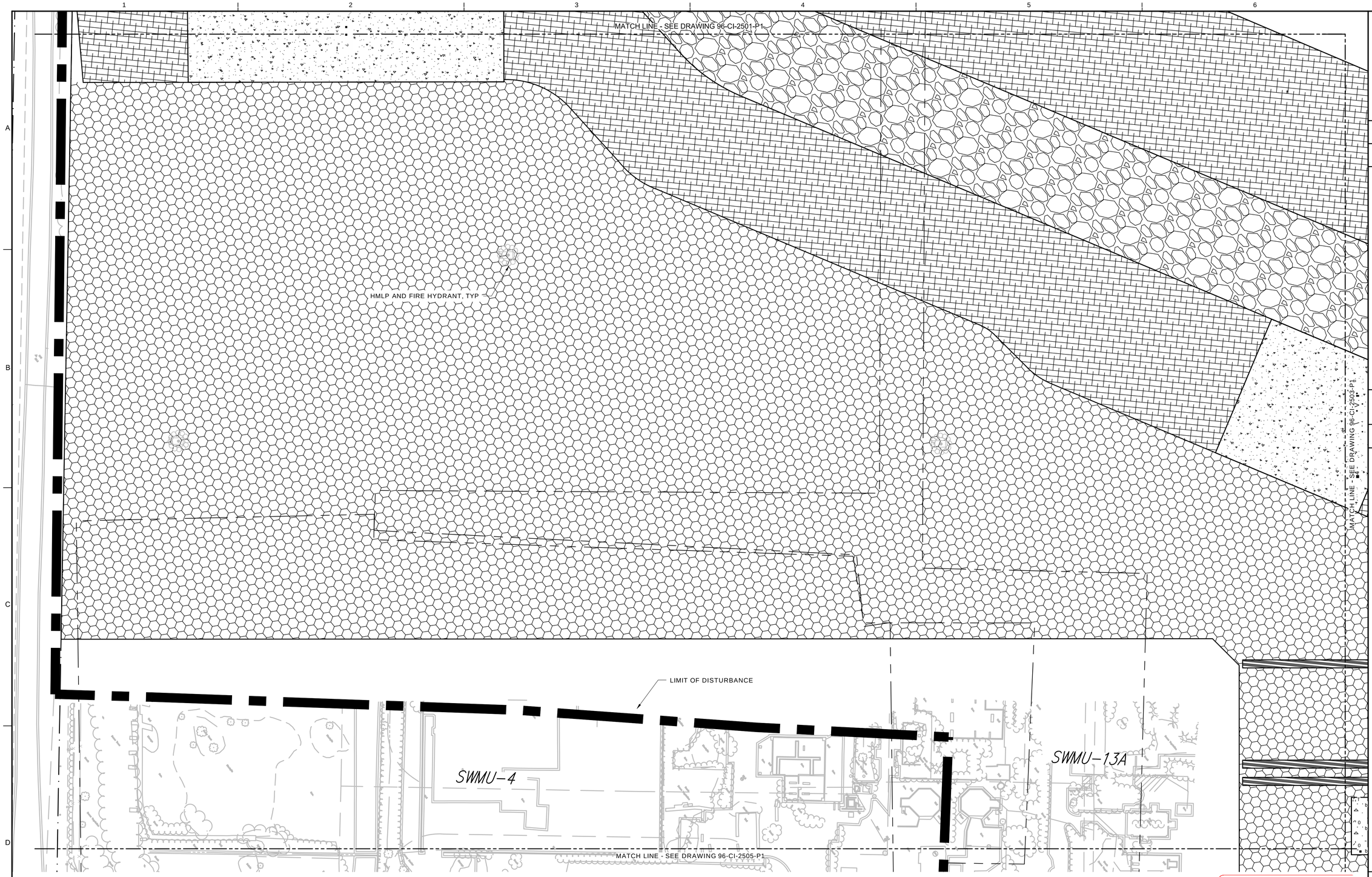
VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2501-P1
SHEET	03

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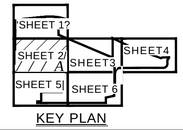


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
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KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

0 40 80 120
1" = 40'

NO	DATE	DSGN	DR	CHK	APVD
A	03.02.25	A. DUBOSE	J. PEASE	B. RAHIMZADEH	M. SHEELEY

DNREC PERMITTING SUBMITTAL — REVISION — AD MS BY APVD

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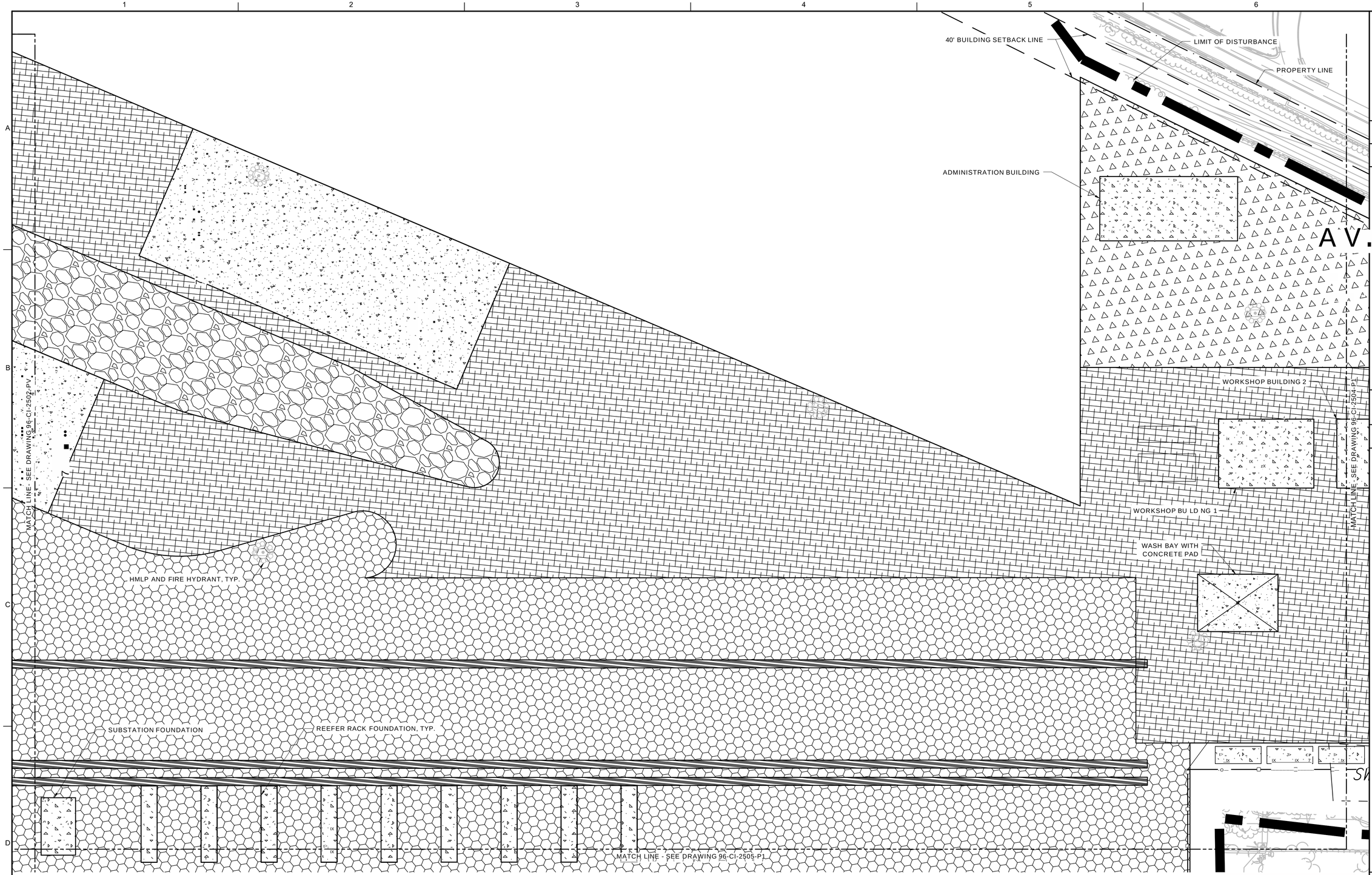
PERMIT SET
PAVEMENTS LAYOUT PLAN
SHEET 2
PHASE 1

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"

DATE	MARCH 2026
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DWG	96-CI-2502-P1
SHEET	04

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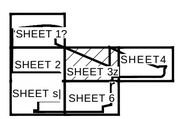


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

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KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

0 40 80 120
1" = 40'

				AD	MS
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NCL	DATE	REVISION	CHK	APVD	M. SHEELEY
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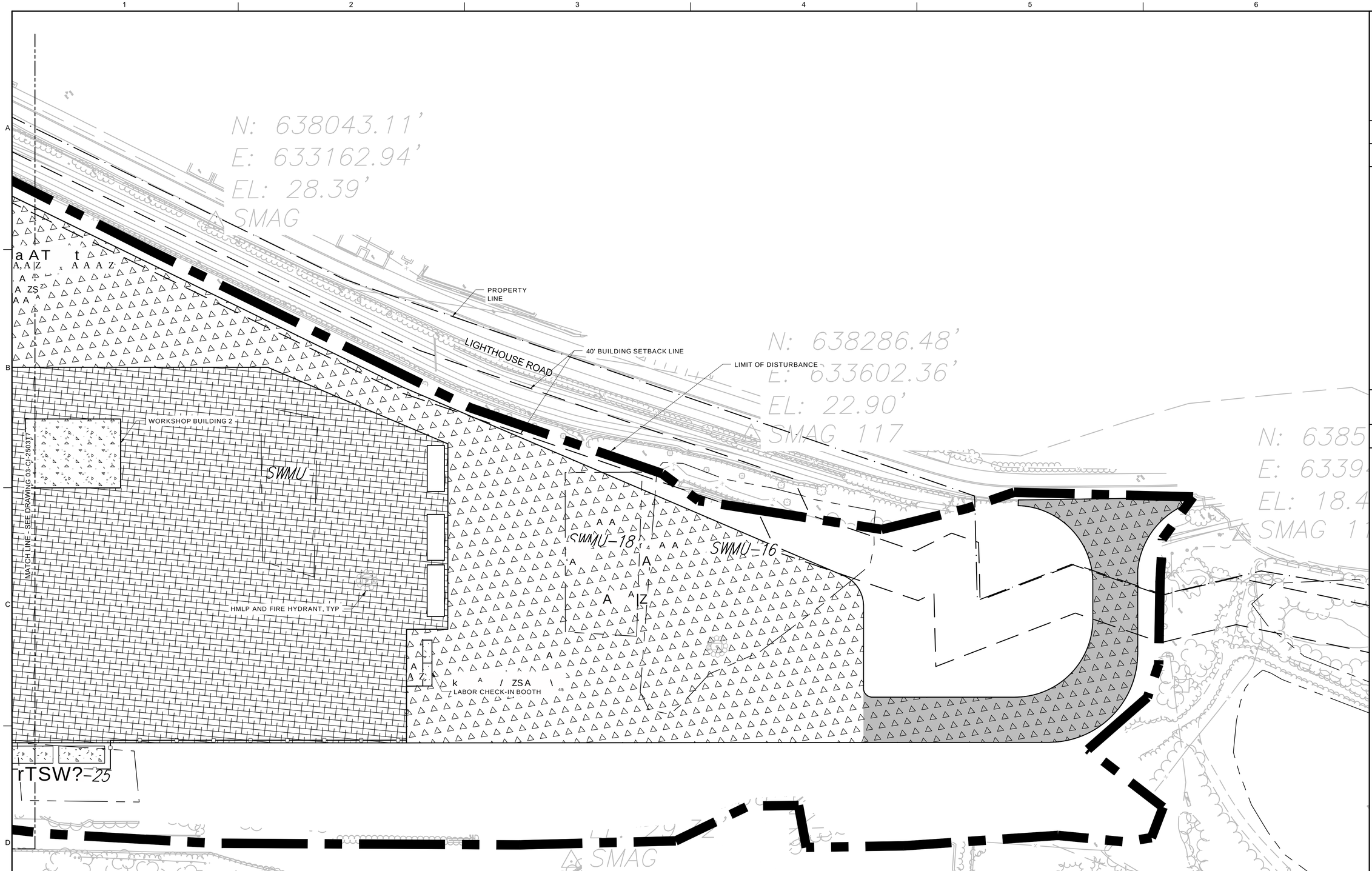
PERMIT SET
PAVEMENTS LAYOUT PLAN
SHEET 3
PHASE 1

AS SHOWN
VERIFY SCALE
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0 1"

DATE	MARCH 2026
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DWG	96-CI-2503-P1
SHEET	05

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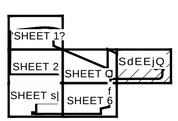


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

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2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.



KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

0 40 80 120
1" = 40'

NO.	DATE	REVISION	BY	APVD
A	03.02.25	DNREC PERMITTING SUBMITTAL	AD	MS

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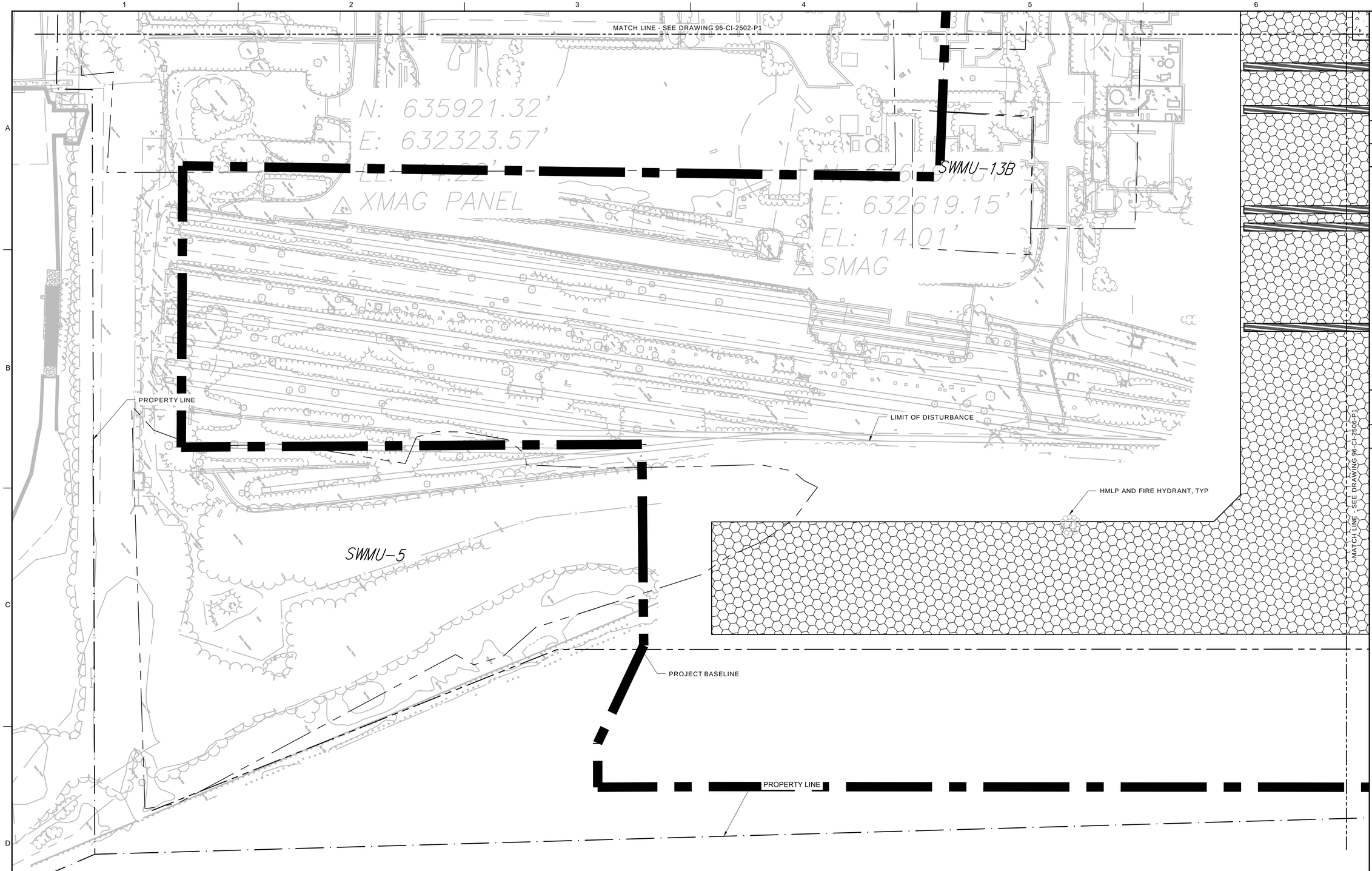
PERMIT SET
PAVEMENTS LAYOUT PLAN
SHEET 4
PHASE 1

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2504-P1
SHEET	06

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LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

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2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.

KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

0 40 80 120
1" = 40'

NO.	DATE	DSGN	DR	CHK	APVD
A	03.02.25	A. DUBOSE	J. PEASE	B. RAHIMZADEH	M. SHEELEY

A - DNREC PERMITTING SUBMITTAL — AD . MS — BY . APVD

REVISION

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IEh STRUCTURE

DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL

EDGEMOOR, DELAWARE

ENSTRUCTURE DCT LLC

PERMIT SET

PAVEMENTS LAYOUT PLAN
SHEET 5
PHASE 1

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2505-P1
SHEET	07

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PERMIT REVIEW SET

1 2 3 4 5 6

A B C D

MATCHLINE -SEE DRAWING 96-CI-2503-P1

SUBSTATION, SEE DRAWING 07-EL-7009 FOR FOUNDATION DETAILS

REEFER RACK FOUNDATION, TYP. SEE DRAWING 03-ST-3102 AND 03-ST-5101 FOR DETAILS

SUBSTATION, SEE DRAWING 07-EL-7006 FOR FOUNDATION DETAILS

SWMU

SWMU-1 & 3

8

SWMU-20

SWML

SUBSTATION, SEE DRAWING 07-EL-7010 FOR FOUNDATION DETAILS

MATCH LINE - SEE DRAWING 96-CI-2505-P1

HMLP AND FIRE HYDRANT, TYP

LIMIT OF DISTURBANCE

PROJECT BASELINE

PERT E

LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

1. LEGEND SHOWS ALL PAVEMENT TYPES FOR THE PROJECT. ALL TYPES SHOWN IN LEGEND MAY NOT APPEAR IN PLAN.
2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.

SHEET1 SHEET2 SHEET3 SHEET4 SHEET5 SHEET6

KEY PLAN

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

N

0 40 80 120
1" = 40'

NO.	DATE	REVISION	CHK
A	03.02.25	DNREC PERMITTING SUBMITTAL	AD MS

DSGN A. DUBOSE | DR J. PEASE | CHK B. RAHIMZADEH | APVD M. SHEELEY | BY | APVD

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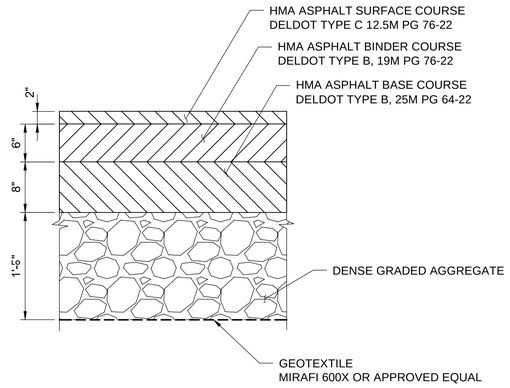
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PAVEMENTS LAYOUT PLAN
SHEET 6
PHASE 1

AS SHOWN
VERIFY SCALE
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DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2506-P1
SHEET	08

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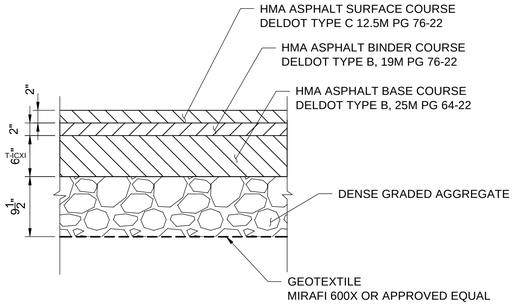
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1 HEAVY-DUTY PAVEMENT SECTION

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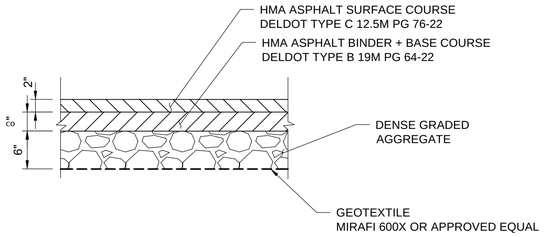
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2 MEDIUM-DUTY PAVEMENT SECTION

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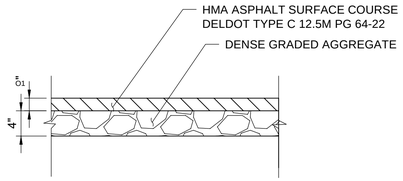
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3 LIGHT-DUTY PAVEMENT SECTION

SCALE: 1" = T-0"

X



4 TEMPORARY PAVEMENT SECTION

SCALE: 1" = T-0"

X

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A	03.02.25	X. LI	A. RANJAN	B. RAHIMZADEH	M. SHEELEY	AD / MS

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DELAWARE CONTAINER TERMINAL
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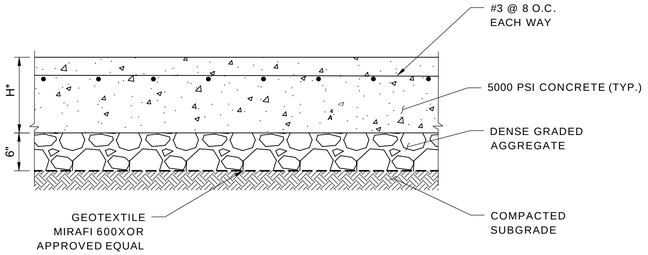
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PAVEMENTS
SECTIONS
SHEET 1

AS SHOWN
VERIFY SCALE
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DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-5501
SHEET	09

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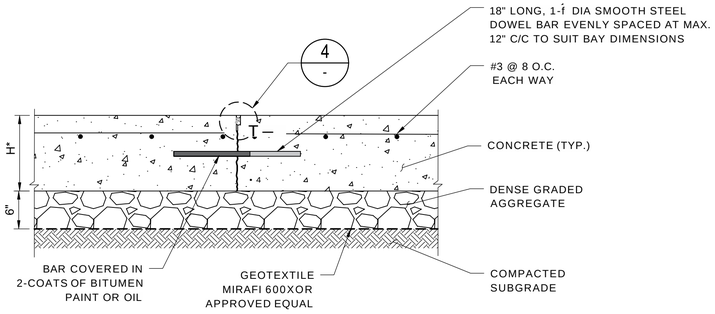
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1 CONCRETE PAVEMENT SECTION

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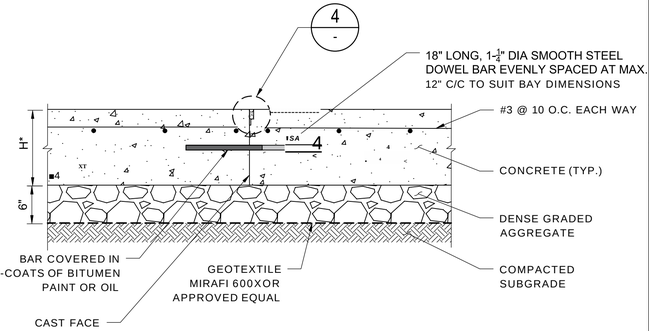
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2 CONTRACTION JOINT IN CONCRETE PAVEMENT

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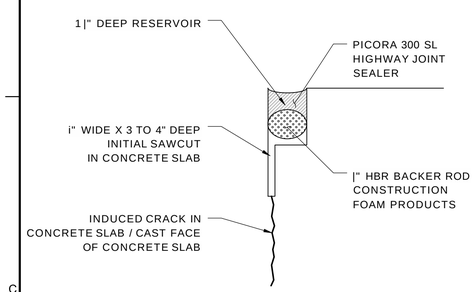
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3 CONSTRUCTION JOINT IN CONCRETE PAVEMENT

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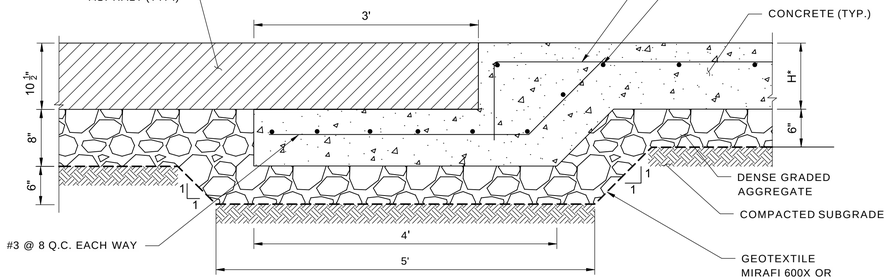
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4 ' CONTRACTION/CONSTRUCTION JOINT DETAIL

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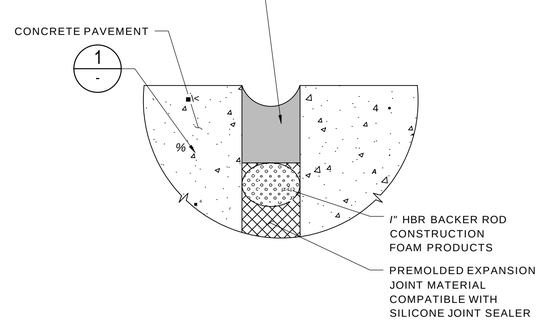
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5 TRANSITION DETAIL - CONCRETE AND ASPHALT PAVEMENT

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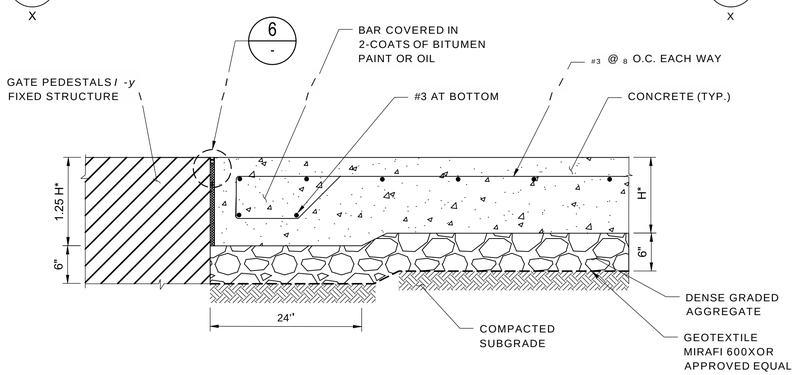
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6 EXPANSION/ISOLATION JOINT DETAIL

N.T.S.

X



7 ISOLATION JOINT - CONCRETE PAVEMENT FIXED STRUCTURES

N.T.S.

X

NOTE :

H* INDICATES CONCRETE PAVEMENT DESIGN THICKNESS
- H = 12" IN OCR LANES
- H = 10" IN GATE LANES

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A	03.02.25	X. LI	A. RANJAN	B. RAHIMZADEH	APVD	M. SHEELEY

REVISION

A DNREC PERMITTING SUBMITTAL — AD MS

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PAVEMENTS
SECTIONS
SHEET 2

NOT TO SCALE
VERIFY SCALE
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PROJ	D3958901
DWG	96-CI-5502
SHEET	10

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SECTION 32 12 16
ASPHALT PAVING

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. American Association of State Highway and Transportation Officials (AASHTO):
   a. Ml 7, Standard Specification for Mineral Filler for Bituminous Paving Mixtures.
   b. M81, Standard Specification for Cut-Back Asphalt (Rapid Curing Type).
   c. M82, Standard Specification for Cut-Back Asphalt (Medium Curing Type).
   d. Ml 40, Standard Specification for Emulsified Asphalt.
   e. Ml 56, Standard Specification for Requirements for Mixing Plants for Hot-mixed, Hot-laid Bituminous Paving Mixes.
   f. M208, Standard Specification for Cationic Emulsified Asphalt.
   g. R35, Standard Practice for Superpave Volumetric Design for Hot Mix Asphalt.
   h. T166, Standard Method of Test for Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt (HMA) Mixtures Using Saturated Surface-Dry Specimens.
   i. T176 Standard Method of Test for Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test.
   j. T209, Standard Method of Test for Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA).
   k. T247, Standard Method of Test for Preparation of Test Specimens of Hot Mix Asphalt (HMA) by Means of California Kneading Compactor.
   l. T283, Standard Method of Test for Resistance of Compacted Hot Mix Asphalt (HMA) to Moisture-Induced Damage.
   m. T304, Standard Method of Test for Uncompacted Void Content of Fine Aggregate.
   n. T312, Standard Method of Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of a Superpave Gyratory Compactor.
2. Asphalt Institute (Al):
   a. Manual Series No. 2 (MS-2), Mix Design Methods for Asphalt Concrete.
   b. Superpave Series No. 2 (SP-2), Superpave Mix Design.

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3. ASTM International (ASTM):
   a. D75, Standard Method of Test for Sampling of Aggregates.
   b. D140, Standard Method of Test for Sampling Bituminous Materials.
   c. D979, Standard Method of Test for Sampling Bituminous Paving Mixtures.
   d. D2041, Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures.
   e. D2489, Standard Method of Test for Determining Degree of Particle Coating of Asphalt Mixtures.
   f. D4318, Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
   g. D4791, Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate.
   h. D5821, Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate.
   i. E329 REV A, Standard Specification for Agencies Engaged in Construction Inspection Testing, or Special Inspection.
4. State of Delaware: Standard Specifications for Road and Bridge Construction, August 2016.

1.02 DEFINITIONS

A. Combined Aggregate: All mineral constituents of asphalt concrete mix, including mineral filler and separately sized aggregates.

B. Maximum Aggregate Size: One sieve size larger than the nominal aggregate size.

C. Nominal Aggregate Size: One sieve size larger than the first sieve that retains more than 10 percent aggregate.

D. Prime Coat: Low viscosity cutback or emulsified asphalt applied to granular base in preparation of paving to coat and bond loose materials, harden the surface, plug voids, prevent moisture migration, and provide adhesion.

E. Reclaimed asphalt pavement (RAP): Removed and/or processed pavement materials containing binder and aggregate.

F. Seal Coat: Term used for various applications of emulsified asphalt, with or without sand or aggregate, to protect the asphalt surface from aging due to wear, degradation from the sun, wind, and water. Also used to improve skid resistance and aesthetics. The term seal coat can be used to define fog seal, slurry seal, chip seal or sand seal, depending on application.

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G. Standard Specifications: When referenced in this section, shall mean Department of Transportation, State of Delaware, Standard Specifications for Road and Bridge Construction, August 2016.

H. Tack Coat: Thin layer of emulsified asphalt applied to hard surfaces, including new pavement lifts, to promote adhesion and bonding.

I. Macadam: A mixture of soil aggregate and coarse aggregate.

1.03 DESIGN REQUIREMENTS

A. Prepare asphalt concrete mix design, meeting the following design criteria, tolerances, and other requirements of this specification.

B. Design Criteria:

1. Superpave Method, Al SP-2, AASHTO R35:
   a. Design Gyrations, NDES: 125 average for PG 76-22 and
   b. Coarse Aggregate Angularity, ASTM D5821: One or more fractured faces 95 percent minimum; two or more fractured faces 90 percent, minimum.
   c. Fine Aggregate Angularity, AASHTO T304: 45 percent below 4 inches (100 millimeters) from surface and 45 percent above 4 inches (100 millimeters) from surface.
   d. Flat and Elongated Particles, ASTM D4791: 8 percent, maximum.
   e. Clay Content, AASHTO T176: Minimum sand equivalent of 45 percent.
   f. Voids in Mineral Aggregate: See Table 1.
   g. Voids Filled with Asphalt: 70 percent to 80 percent.
   h. Mixture Density as a Percentage of Theoretical Maximum Density at Initial Gyration Level: 89 percent, maximum.
   i. Mix Density at Maximum Number of Gyrations: Less than 98 percent of theoretical maximum density.
   j. Dust Proportion: 0.8 to 1.6.
   k. Air Voids: 4 percent.
   l. Tensile Strength Ratio, AASHTO T283: 80 percent, minimum.

Table 1
Voids in Mineral Aggregate (VMA) Criteria

Nominal Maximum Aggregate Size (mm)	Minimum VMA, Percent
1/2" (12.5)	14
3/4" (19.0)	13

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Table 1 Voids in Mineral Aggregate (VMA) Criteria	
Nominal Maximum Aggregate Size (mm)	**Minimum VMA, Percent**
1" (25.0)	12
1-1/2” (37.5)	11

C. Furnished Mix Tolerances:

1. Conform to asphalt concrete mix formula within the following, plus or minus:
   a. Aggregate Passing No. 4 (4.76 millimeter) and Larger Sieves: 5 percent.
   b. Aggregate Passing the No. 8 (2.38 millimeter) to No. 100 (150 pm) Sieves: 4 percent.
   c. Aggregate Passing the No. 200 (75 pm) Sieve: 2 percent.
   d. Bitumen Content: 0.3 percent of volume or batch weight of aggregate.
   e. Temperature Leaving Mixer: 20 degrees F (11 degrees C).
   f. Temperature in Paving Machine Hopper: 20 degrees F (11 degrees C).

1.04 SUBMITTALS

A. Informational Submittals:

1. Asphalt Concrete Mix Formula:
   a. Submit minimum of 15 days prior to start of production.
   b. Submittal to include the following information:
      1) Gradation and portion for each aggregate constituent used in mixture to produce a single gradation of aggregate within specified limits.
      2) Bulk specific gravity for each aggregate constituent.
      3) Measured maximum specific gravity of mix at optimum asphalt content determined in accordance with ASTM D2041.
      4) Properties as stated in this section for at least four different asphalt contents other than optimum, two below optimum, and two above optimum.
      5) Percent of asphalt lost due to absorption by aggregate.
      6) Index of Retained Strength (TSR) at optimum asphalt content as determined by AASHTO T283.

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7) Percentage of asphalt cement, to nearest 0.1 percent, to be added to mixture.
8) Optimum mixing temperature.
9) Optimum compaction temperature.
10) Temperature-viscosity curve of asphalt cement to be used.
11) Brand name of any additive to be used and percentage added to mixture.

2. Test Report for Asphalt Cement:
   a. Submit minimum 10 days prior to start of production.
   b. Show appropriate test method(s) for each material and the test results.
3. Manufacturer's Certificate of Compliance, in accordance with Section 01 61 00, Common Product Requirements, for the following materials:
   a. Aggregate: Gradation, source test results as defined in the Standard Specifications.
   b. Asphalt for Binder: Type, grade, and viscosity-temperature curve.
   c. Prime Coat: Type and grade of asphalt.
   d. Tack Coat: Type and grade of asphalt.
   e. Additives.
   f. Mix: Conforms to job-mix formula.
4. Statement of qualification for independent testing laboratory.
5. Test Results:
   a. Mix design.
   b. Asphalt concrete core.
   c. Gradation and asphalt content of uncompacted mix.
   d. Field density.
   e. Quality control.

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Independent Testing Laboratory: In accordance with ASTM E329 REV A.
2. Asphalt concrete mix formula shall be prepared by approved certified independent laboratory under the supervision of a certified asphalt technician.

B. Compaction Control Strip:

1. General:
   a. Construct to approximately 400 square yards in area and at location that will become a portion of completed paved area.
   b. Thickness: Typical of thickness to be paved on Project.

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2. Rollers Used for Compaction:
    a. Steel Wheel Rollers: Minimum static weight 10 tons (9 mg).
    b. Pneumatic Rollers: Capable of exerting pressure of 80 psi (550 kPa) on bituminous surface.
    c. Vibratory Rollers: Static weight minimum 6 tons (5.5 mg), capable of applying a 10-ton (9-mg) impact force equipped with amplitude and frequency control specifically designed for compaction of bituminous mixtures.
3. Compaction:
    a. Compact bituminous mat, using a standard rolling pattern that covers entire control strip. Request that independent testing laboratory performs final density test.
    b. Continue rolling until no further compaction can be obtained as determined by field density testing.
    c. Temperature and condition of bituminous mat shall be considered workable when further compaction can no longer be obtained.
4. Target Density Determination:
    a. Select test point near center of normal roller pass, but no closer than 2 feet (600 millimeters) from edge of mat and 50 feet (15 meters) from either end of control strip. Mat thickness at this point shall be at least depth of finished pavement.
    b. Point at which no further densification can be obtained.
5. Establish new target density if change is made in mix design, nominal depth of mat being placed, aggregate source, or material properties.

1.06 ENVIRONMENTAL REQUIREMENTS

A. Temperature: Do not apply asphalt materials or place asphalt mixes when ground temperature is lower than 50 degrees F (10 degrees C) or air temperature is lower than 40 degrees F (4 degrees C). Measure ground and air temperature in shaded areas away from heat sources or wet surfaces.

B. Moisture: Do not apply asphalt materials or place asphalt mixes when application surface is wet.

PART 2 PRODUCTS

2.01 MATERIALS

A. Tack Coat: Emulsified Asphalt for Tack Coat or Seal Coat: Conform to Section 1011, Tack Coat of the Standard Specifications.

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2.02 ASPHALT CONCRETE MIX

A. General:

1. Mix formula shall not be modified except with written approval of Engineer.
2. Source Changes:
   a. Should material source(s) change, establish new asphalt concrete mix formula before new material(s) is used.
   b. Perform check tests of properties of plant-mix bituminous materials on first day of production and as requested by Engineer to confirm that properties are in compliance with design criteria.
   c. Make adjustments in gradation or asphalt content as necessary to meet design criteria.

B. Asphalt Concrete:

1. Surface Course shall be HMA 12.5 mm with PG76-22 (Polymer-modified) to AASHTO M320.
2. Binder Course shall be HMA 19 mm with PG 76-22 (Polymer-modified) to AASHTO M320.
3. Base: HMA 25 mm with PG 76-22 (polymer-modified) to AASHTO M320.

C. Composition: Hot-plant mix of aggregate, mineral filler if required, and paving grade asphalt cement. The several aggregate fractions shall be sized, uniformly graded, and combined in such proportions that resulting mixture meets grading requirements of mix formula.

D. Aggregate:

1. As specified in the Standard Specifications. RAP material may be used up to a maximum of 10 percent by total weight.
2. Coarse: In accordance with Section 1014, Asphalt Materials Production of the Standard Specifications.
   a. Material retained on a No. 8 (2.36-millimeter) sieve.
   b. Minimum 90 percent by weight of individual pieces having two or more fractured faces, and 95 percent by weight having at least one fractured face.
3. Fine: In accordance with Section 1014, Asphalt Materials Production of the Standard Specifications.
   a. Material passing a No. 8 (2.36-millimeter) sieve.
   b. Clean, sound, durable, angular shaped particles produced by crushing.
   c. Plasticity Index: Maximum 6.

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d. Liquid Limit: Maximum 25, when tested in accordance with ASTM D4318.

4. Natural Sand: Shall not be used.

E. Asphalt Cement: Paving Grade PG76M and Base Coarse PG70, as specified in Section 1012, Asphalt Cement of the Standard Specifications.

2.03 BITUMINOUS STABILIZED MACADAM

A. Hot-plant mix of aggregate, mineral filler, if required, and bituminous stabilizing agent.

B. Aggregate: Type Coarse Aggregate gradation meeting requirements of Section 1014 of the Standard Specifications.

C. Stabilizing Agent: Cut-back asphalt or emulsified asphalt meeting the requirements of Section 1016 of the Standard Specifications.

PART 3 EXECUTION

3.01 LINE AND GRADE

A. Provide and maintain intermediate control of line and grade, independent of underlying base, to meet finish surface grades and minimum thickness.

3.02 APPLICATION EQUIPMENT

A. In accordance with Section 401, Bituminous Pavement of the Standard Specifications.

3.03 PREPARATION

A. Prepare subgrade as specified in Section 31 23 13, Subgrade Preparation.

B. Existing Terminal:

1. Modify profile by grinding, milling, or overlay methods as approved, to provide meet lines and surfaces and to produce smooth riding connection to existing facility.
2. Remove existing material to a minimum depth of 1 inch (25 millimeters).
3. Paint edges of meet line with tack coat prior to placing new pavement.

C. Thoroughly coat edges of contact surfaces (curbs, manhole frames) with emulsified asphalt or asphalt cement prior to laying new pavement. Prevent staining of adjacent surfaces.

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3.04 PAVEMENT APPLICATION

A. General: Place asphalt concrete mixture on approved, prepared base in conformance with this section.

B. Prime Coat:

1. Apply uniformly to clean, dry surfaces avoiding overlapping of applications.
2. Do not apply when moisture content of upper 3 inches (75 millimeters) of base exceeds optimum moisture content of base, or if free moisture is present.
3. Application Rate: 0.15 gallon to 0.50 gallon per square yard (70 liters to 2.28 liters per square meter) of surface area. Engineer will determine amount to be applied within range specified.
4. Remove or redistribute excess material.
5. Allow a minimum of 5 full days for curing of primed surface before placing asphalt concrete.

C. Tack Coat:

1. Prepare material, as specified in Section 1011, Tack Coat of the Standard Specifications, prior to application.
2. Apply uniformly to clean, dry surfaces avoiding overlapping of applications.
3. Do not apply more tack coat than necessary for the day’s paving operation.
4. Touch up missed or lightly coated surfaces and remove excess material.
5. Application Rate:
   a. 0.05 gallon per square yard to 0.15 gallon per square yard (0.25 liter per square meter to 0.70 liter per square meter) of asphalt (residual if diluted emulsified asphalt).
   b. Apply at rate, within range specified, sufficient to assure good bonding, but not so heavy that surplus asphalt flushes into asphalt concrete being placed.

D. Pavement Mix:

1. Prior to Paving:
   a. Sweep primed surface free of dirt, dust, or other foreign matter.
   b. Patch holes in primed surface with asphalt concrete pavement mix.
   c. Blot excess prime material with sand.
2. Place asphalt concrete pavement mix in two equal lifts.

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3. Compacted Lift Thickness:
    a. Minimum: Twice maximum aggregate size, but in no case less than 1 inch (25 millimeters).
    b. Maximum: 4 inches (100 millimeters).
4. Total Compacted Thickness: As shown on construction Plan Details.
5. Sequence placement so that meet lines are straight and edges are vertical.
6. Collect and dispose of segregated aggregate from raking process. Do not scatter material over finished surface.
7. Joints:
    a. Offset edge of each layer a minimum of 6 inches (150 millimeters) so joints are not directly over those in underlying layer.
    b. Offset longitudinal joints in roadway pavements so longitudinal joints in wearing layer coincide with pavement centerlines and lane divider lines.
    c. Form transverse joints by cutting back on previous day's run to expose full vertical depth of layer.
8. Succeeding Lifts: Apply tack coat to pavement surface between each lift.
9. After placement of pavement, seal meet line by painting a minimum of 6 inches (150 millimeters) on each side of joint with cutback or emulsified asphalt. Cover immediately with sand.

E. Compaction:

1. Roll until roller marks are eliminated and minimum density of 97 percent of mix design unit weight at optimum asphalt content is obtained.
2. Joint Compaction:
    a. Place top or wearing layer as continuously as possible.
    b. Pass roller over unprotected end of freshly laid mixture only when placing of mix is discontinued long enough to permit mixture to become chilled.
    c. Cut back previously compacted mixture when Work is resumed to produce slightly beveled edge for full thickness of layer.
    d. Cut away waste material and lay new mix against fresh cut.

F. Tolerances:

1. General: Conduct measurements for conformity with crown and grade immediately after initial compression. Correct variations immediately by removal or addition of materials and by continuous rolling.
2. Completed Surface or Wearing Layer Smoothness:
    a. Uniform texture, smooth, and uniform to crown and grade.

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b. Maximum Deviation: 1/8 inch (3 millimeter) from lower edge of a 12-foot (3.6-meter) straightedge, measured continuously parallel and at right angle to centerline.
c. If surface of completed pavement deviates by more than twice specified tolerances, remove and replace wearing surface.

3. Transverse Slope Maximum Deviation: (1/4 inch (6 millimeters) in 12 feet (3.6 meters) from rate of slope shown.
4. Finished Grade:
   a. Perform field differential level survey on maximum 50-foot (15-meter) grid and along grade breaks.
   b. Maximum Deviation: 0.02 foot (6 millimeters) from grade shown.

G. Seal Coat:

1. General: Apply seal coat of paving grade or emulsified asphalt to finished surface at longitudinal and transverse joints, joints at abutting pavements, areas where asphalt concrete was placed by hand, patched surfaces, and other areas as directed by Engineer.
2. Preparation:
   a. Surfaces that are to be sealed shall be maintained free of holes, dry, and clean of dust and loose material.
   b. Seal in dry weather and when temperature is above 35 degrees F (2 degrees C).
3. Application:
   a. Fill cracks over 1/16 inch (1.5 millimeters) in width with asphalt-sand slurry or approved crack sealer prior to sealing.
   b. When sealing patched surfaces and joints with existing pavements, extend minimum 6 inches (150 millimeters) beyond edges of patches.

3.05 PAVEMENT OVERLAY

A. Preparation:

1. Remove fatty asphalt, grease drippings, dust, and other deleterious matter.
2. Surface Depressions: Fill with asphalt concrete mix, and thoroughly compact.
3. Damaged Areas: Remove broken or deteriorated asphalt concrete and patch as specified in Article Patching.
4. Portland Cement Concrete Joints: Remove joint filler to minimum 1/2 inch (12 millimeters) below surface.

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B. Application:

1. Tack Coat: As specified in this section.
2. Place and compact asphalt concrete as specified in Article Pavement Application.
3. Place first layer to include widening of pavement and leveling of irregularities in surface of existing pavement.
4. When leveling irregular surfaces and raising low areas, the actual compacted thickness of any one lift shall not exceed 2 inches (50 millimeters).
5. Actual compacted thickness of intermittent areas of 120 square yards (100 square meters) or less may exceed 2 inches (50 millimeters), but not 4 inches (100 millimeters).
6. Final wearing layer shall be of uniform thickness, and meet grade and cross-section as shown.

3.06 PATCHING

A. Preparation:

1. Remove damaged, broken, or unsound asphalt concrete adjacent to patches. Trim to straight lines exposing smooth, sound, vertical edges.
2. Prepare patch subgrade as specified in Section 31 23 13, Subgrade Preparation.

B. Application:

1. Patch Thickness: 3 inches (75 millimeters) or thickness of adjacent asphalt concrete, whichever is greater.
2. Place asphalt concrete mix across full width of patch in layers of equal thickness.
3. Spread and grade asphalt concrete with hand tools or mechanical spreader, depending on size of area to be patched.

C. Compaction:

1. Roll patches with power rollers capable of providing compression of 200 pounds per linear inch to 300 pounds per linear inch (350 Newtons per linear centimeter to 525 Newtons per linear centimeter). Use hand tampers where rolling is impractical.
2. Begin rolling top course at edges of patches, lapping adjacent asphalt surface at least one-half the roller width. Progress toward center of patch overlapping each preceding track by at least one-half width of roller.
3. Make sufficient passes over entire area to remove roller marks and to produce desired finished surface.

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D. Tolerances:

1. Finished surface shall be flush with and match grade, slope, and crown of adjacent surface.
2. Tolerance: Surface smoothness shall not deviate more than plus 1/4 inch (6 millimeters) or minus 0 inch when straightedge is laid across patched area between edges of new pavement and surface of old surfacing.

3.07 FIELD QUALITY CONTROL

A. General: Provide services of approved certified independent testing laboratory to conduct tests.

B. Field Density Tests:

1. Perform tests from cores or sawed samples in accordance with AASHTOT166.
2. Measure with properly operating and calibrated nuclear density gauge in accordance with ASTM D2950.
3. Maximum Density: In accordance with ASTM D2041, using sample of mix taken prior to compaction from same location as density test sample.

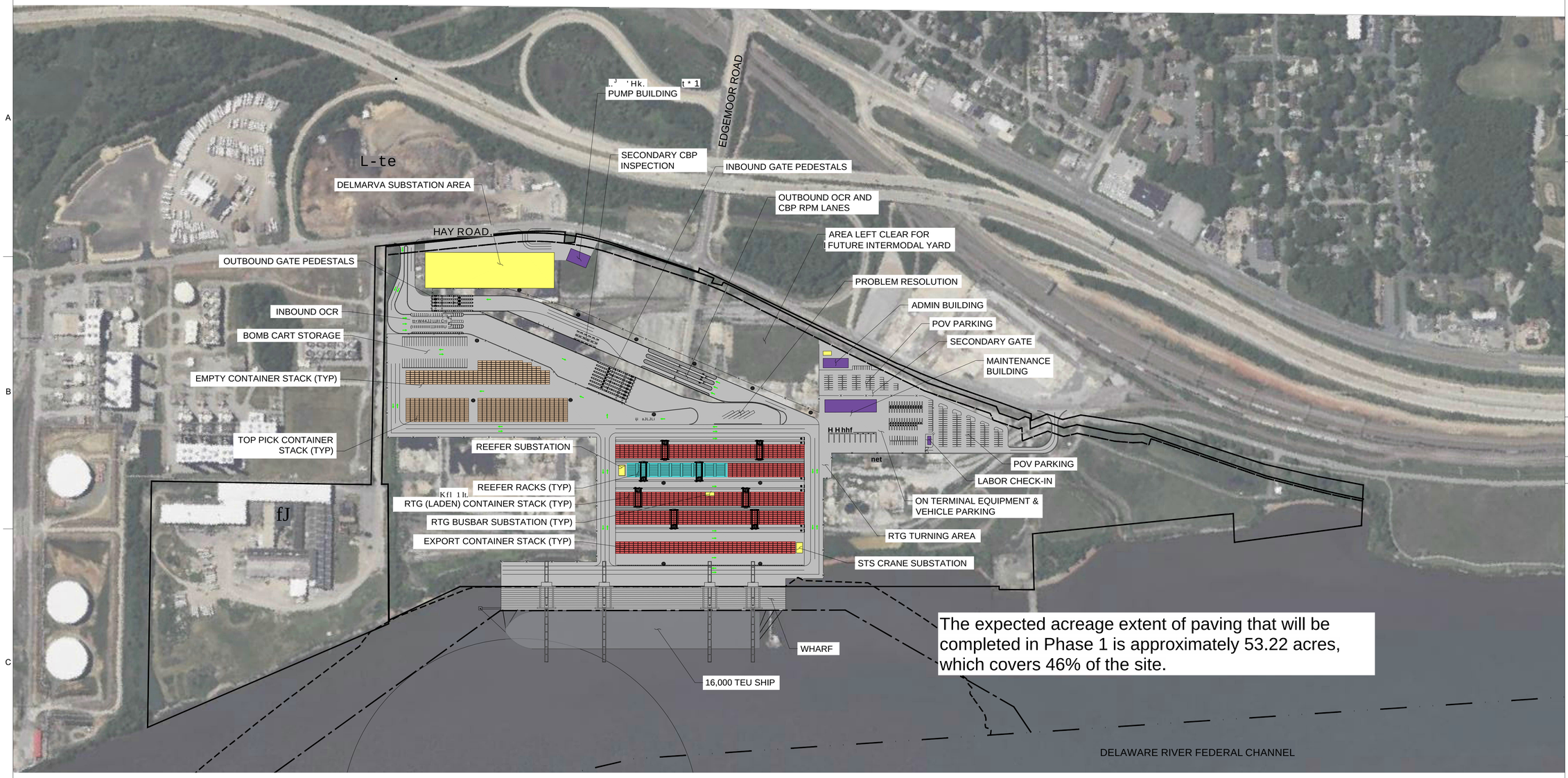
C. Testing Frequency:

1. Quality Control Tests:
   a. Asphalt Content, Aggregate Gradation: Once per every 500 tons (400 mg) of mix or once every 4 hours, whichever is greater.
   b. Mix Design Properties, Measured Maximum (Rice's) Specific Gravity: Once every 1,000 tons (900 mg) or once every 8 hours, whichever is greater.
2. Density Tests: Once every 500 tons (450 mg) of mix or once every 4 hours, whichever is greater.

END OF SECTION

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Appendix C - Earthworks/Design Layout Plans



The expected acreage extent of paving that will be completed in Phase 1 is approximately 53.22 acres, which covers 46% of the site.

LEGEND

PROPERTY BOUNDARY	----------
BERTH POCKET	— _ —
DREDGE LIMITS	— ' — ' —
EDGE OF DELAWARE RIVER CHANNEL	— , , —
40' EASEMENT	— — — —
REEFER GROUND SLOTS	
DRY GROUND SLOTS	
EMPTY GROUND SLOTS	
SUBSTATION	
NEW BUILDING	
FACILITY / PARKING AREA	
TRAFFIC FLOW	
REACH STACKER	
RUBBER TIRED GANTRY CRANE (eRTG)	
SHIP-TO-SHORE CRANE	

0 250 500 750

1" =250'

NO.	DATE	DSGN	DR	CHK	APVD	BY
		AJH	ALD	DK		CAL

REVISION

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

Jacobs WALSH ENSTRUCTURE DIAMOND STATE PORT CORPORATION SOLETANCHE BACHY INTERNATIONAL

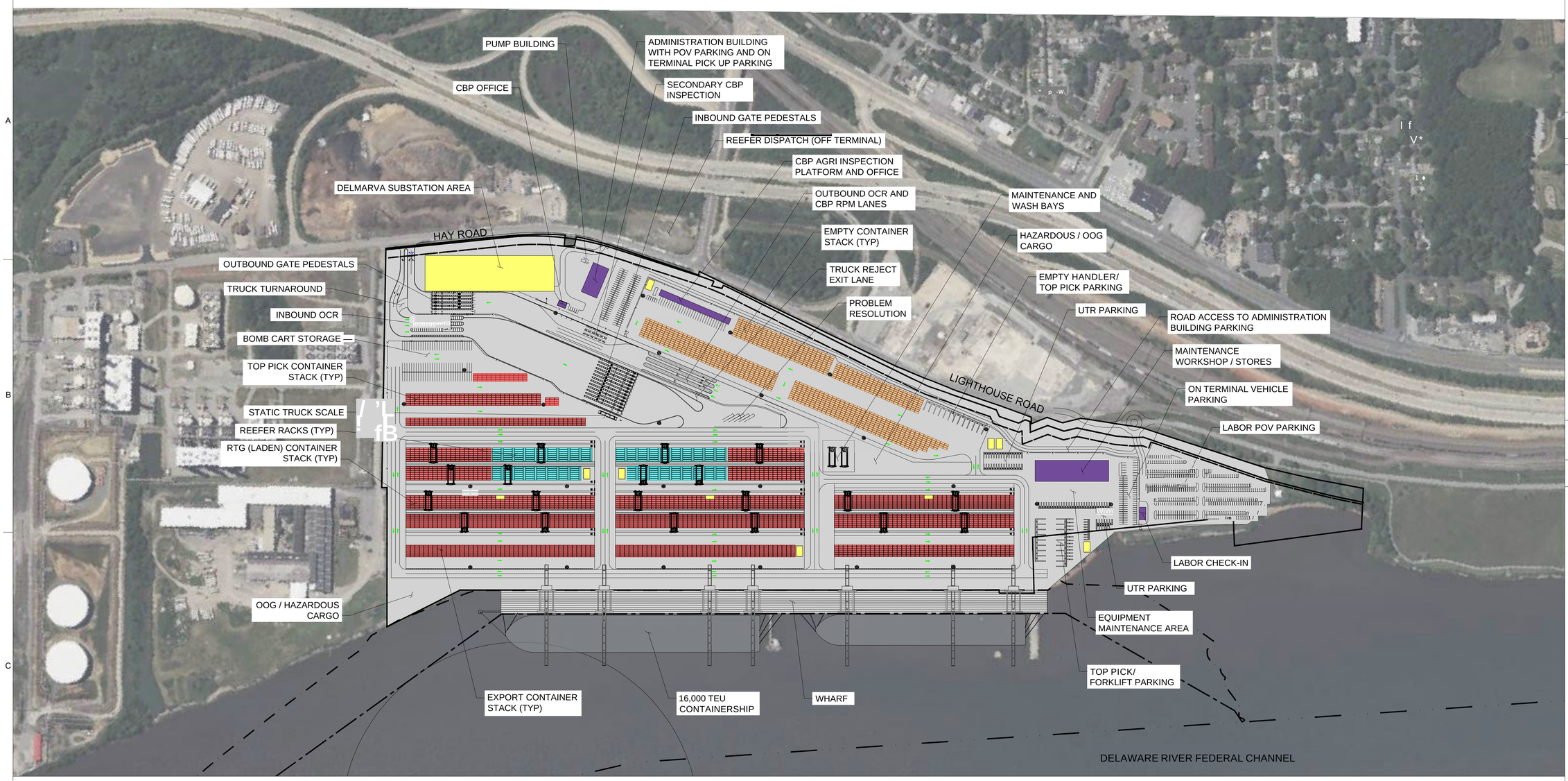
GENERAL
TERMINAL LAYOUT
PHASE 1

NOT TO SCALE
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	OCTOBER 2025
PROJ	D3958901
DWG	DRAFT
SHEET	

ISSUED FOR REVIEW

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LEGEND

PROPERTY BOUNDARY	----------
BERTH POCKET	— _ —
DREDGE LIMITS	— ' — ' —
EDGE OF DELAWARE RIVER CHANNEL	— . . —
40' EASEMENT	— — — —
REEFER GROUND SLOTS	
DRY GROUND SLOTS	
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SUBSTATION	
NEW BUILDING	
FACILITY / PARKING AREA	
TRAFFIC FLOW	
REACH STACKER	
RUBBER TIRED GANTRY CRANE (eRTG)	
SHIP-TO-SHORE CRANE	

N

0 250 500 750

1" =250'

NO.	REVISION	BY	APVD
DSGN	AJH	DR	ALD
DRWN	CK	DK	APVD
CHKD	CAL	APVD	

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GENERAL

TERMINAL LAYOUT FULL BUILD

NOT TO SCALE	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"	
DATE	JANUARY 2026
PROJ	D3958901
DWG	DRAFT
SHEET	

DELAWARE RIVER TERMINAL LLC
2 HOWARD HUGHES PARKWAY
LAS VEGAS, NEVADA 89169

FILE NAME: DCT_Full Build Layout_No IY_2026-01-23.dwg PLOT DATE: 1/23/2026 PLOT TIME: 11:42:51AM

Appendix D - Project Health Safety and Environmental Plan (PHSEP)

SITE-SPECIFIC SAFETY PLAN

Prepared For:

PROJECT #226084

ENSTRUCTURE DELAWARE CONTAINER TERMINAL



Prepared By: Will Stephan CHMM, CHST
Regional HSE Manager

DATE: April 2026
Revision 01

PLAN CONTENTS

This Site-Specific Safety Plan (SSSP) has been prepared by **Walsh/SBI JV** for the **Delaware Container Terminal** project located in Edgemoor, DE

This Site-Specific Safety Plan complies with the Occupational Safety and Health Administration (OSHA), specifically 29 Code of Federal Regulations (CFR) 1910, General Industry, 1926 Construction Industry standards.

In addition, this project site requires strict conformance with the site-specific **Excavated Material Handling Contingency Plan (EMHCP) which is included in Appendix F.**

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Appendix C HSE Forms
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Appendix J Site Access Plan

1.0 INTRODUCTION AND SIGNATURES

This Site-Specific Safety Plan (SSSP) has been prepared by Walsh/SBI JV as per the Scope of Work under contract with Enstructure as part of the Delaware Container Terminal project. The SSSP was prepared by Mr. Will Stephan, CHMM, CHST, Regional HSE Manager. This Plan was reviewed, and concurrence issued by Brian Midlick, Sr. Project Manager and Jody Ware, Project Superintendent.

Work conducted under this contract will be performed in accordance with applicable Federal and State occupational health laws and regulations during the execution of this contract. The contents of the SSSP are subject to review and revision as new information becomes available.

Plan Preparer:

Will Stephan, CHMM, CHST Date
Regional Health, Safety, & Environmental Manager
Project Safety Manager

Plan Concurrence:

Brian N. Midlick Date
Sr. Project Manager

Jody Ware Date
Project Superintendent

1.1 Purpose

This Site-Specific Safety Plan (SSSP) has been developed to establish the basis from which all planned and executed work, as part of the **Delaware Container Terminal** project, will be conducted. A copy of this SSSP will be kept in a readily accessible on-site location. The SSSP consists of several components that together define the Walsh/ SBI JV HSE program. These components are summarized in **Table 1-1.**

Table 1-1 Health & Safety Plan and its Components

Document	Purpose
Site Specific Safety Plan	• The SSSP provides general safety and health requirements and practices. • These general requirements are in Sections 1.0 through 14.0 of the SSSP
Safe Work Plans/Job Hazard Analysis (JHA)	• JHAs address specific hazards and precautions for major project work activities. • JHA template referenced in Section 10.0 is included in Appendix A.
The Walsh Group Standard Health, Safety and Environmental (HSE) Manual	• The Walsh Group HSE is referenced in the SSSP and are used in conjunction with the SSSP and any supplemental plans included as Attachments to this SSSP. • Walsh Group HSE are listed in Appendix B and are accessible on The Walsh/SBT JV SharePoint page from the project site.

JHA – Job Hazard Analysis *SOP – Standard Operating Procedure* *HS&E – Health, Safety & Environment*

1.2 Application

The requirements established by this SSSP are mandatory and apply to all Walsh/SBI JV employees, subcontractors, Enstructure/DSPC representatives, local or State government representatives and any other authorized personnel entering designated work areas at the project site during active field operations. Personnel are required to sign the SSSP Compliance Agreement Form **(Appendix C)** after receiving orientation training and before working at the site. In addition, Walsh/SBI JV shall make available a copy of this plan, if requested, to any authorized personnel who must enter the work area.

1.3 Revisions

Changes in the Scope of Work (SOW), field changes, or unanticipated site conditions may require SSSP modification (i.e., an Addendum) in order to retain safety compliance with contractual requirements and OSHA regulations. Changes to the SSSP (i.e., an Addendum) shall be prepared, approved, and concurred by the same personnel (or by personnel with equal or greater education, knowledge and experience) who signed this SSSP.

2.0 BACKGROUND INFORMATION

This section presents a brief description of the project including project description, scope of work, key personnel, and phases of work.

Contractor: Walsh/SBI JV Construction Company II, LLC/ Soletanche Bachy International, Inc. Joint Venture (Walsh/SBI JV)

Project No: 226084

Client Information: Enstructure DCT LLC & Diamond State Port Corporation

Project Name and Address: Delaware Container Terminal (DCT),
4600 Hay Road, Edgemoor, Delaware 19809

2.1 Project Description

The Project is located on a 112-acre site located on the Delaware River approximately 2 miles north of the existing Port Wilmington. The site was previously used as a production facility for titanium dioxide by DuPont and the Chemours Company, which was shut down and largely demolished by DuPont/Chemours prior to DSPC's purchase of the site in February 2017. DSPC and its consultants have undertaken multiple studies, investigations, designs, and permitting efforts to date, making significant efforts to advance the Project.

The Project is being developed in a phased approach, with a goal of implementing Phase 1 **(See Figure 2-1).** Subsequent phases will be built when business justifies the additional capacity. Phase 1 will have a target capacity of up to 250,000 lifts per year and will support a container vessel sized up to 16,000 TEU and other vessel types as described herein, and when fully built out, Delaware Container Terminal (DCT) will have a capacity of approximately 1,200,000 twenty-foot equivalent units (TEUs) per year.

On behalf of Enstructure and DSPC, Enstructure contracted a joint venture of Walsh/SBI JV and Soletanche Bachy International (Walsh/SBI JV) to deliver Project Phase 1 in a progressive design-build (PDB) process. The Walsh/SBI JV is teamed with Jacobs Engineering (Jacobs) to perform planning and design services. In that role, Jacobs is preparing this Basis of Design and Owner's Technical Requirements, with supporting appendices.

Nigel Nixon and Partners is serving as the Owner's Representative on behalf of Enstructure and DSPC and has retained other specialty consultants to support various aspects of the PDB process. The Walsh/SBI JV team is collaborating with Nigel Nixon and Partners accordingly.

2.2 Project Site Location

The Project site is located at 4600 Hay Road, Edgemoor, Delaware 19809, approximately two miles north of Enstructure's and DSPC's existing Port Wilmington operation. The Project site was previously used as a production facility for titanium dioxide by DuPont and Chemours Company. This facility was shut down and largely demolished by DuPont/Chemours prior to DSPC's purchase of the site in February 2017.

Figure 2-1
Location Photo



2.3 Scope of Work

Phase 1 is currently anticipated to include:

- A 1,355-foot-long wharf continuous berthing face, with (1) dolphin at approx. 98-feet to the south to provide a further mooring point; arrangement is intended to accommodate a maximum 1,211-foot LOA vessel.
- A wharf supporting at least four SPPX ship-to-shore container cranes and the design vessels specified herein.
- A new access channel connecting the new berths to the main channel in the Delaware River.

- Forty-five feet of available depth at berth at MLLW, plus allowable overdredge.
- A container yard sized to accommodate the target Phase 1 capacity. The container operation will be grounded. Containers will be handled with electric rubber-tired gantry (eRTG) cranes, top-picks, reach stackers, or some combination thereof.
- Refrigerated container racks and plugs.
- A truck access gate, including in- and out-lanes and associated processing stations and equipment.
- Requisite facilities for CBP inspections.
- Requisite facilities for USDA inspections.
- Property carve-out for a future Intermodal Yard facility. Inclusion of an associated grade crossing is to be determined.
- General welfare and support facilities, such as breakrooms, longshore restrooms, and labor shape-up.
- Supporting and enabling infrastructure, such as utilities.
- Security infrastructure, both physical (that is, fencing) and digital.
- Upgrades to Hay Road.

Accommodations for onsite administrative staff, parking for labor, and on-terminal maintenance repair facilities to be built, expanded, or relocated in subsequent phases have been considered for the planning of Phase 1.

2.4 Project Key Personnel

Walsh/SBI JV's key personnel for this project are listed in **Table 2-1.** Roles and responsibilities for the key H&S personnel and Competent Persons are discussed in Section 4.

Table 2-1 Key Project Personnel

Name	Title	Organization	Phone Number
Deigo Lopez	VP of Corporate Development	Enstructure	C - 302-897-9176
Keith Abraham	Project Director	NNP	C -+44-7939-272452
Patrick Rooney	Business Group Leader	Walsh/SBI JV	C - 201-469-7539
Brian Neckermann	Program Manager	Walsh/SBI JV	C - 312-735-9320
Brian Midlick	Sr. Project Manager	Walsh/SBI JV	C - 717-773-0022
Jody Ware	Project Superintendent	Walsh/SBI JV	C - 412-475-0886
Francois Pageron	Deputy Project Manager	Walsh/SBI JV	C-T.B.C.
Andrew Saunders	Project Manager	Walsh/SBI JV	C - 203-627-2254
Jordan Lagnado	Project Manager	Walsh/SBI JV	C - 215-779-1578
Nathan Darlington	Asst. Project Manager	Walsh/SBI JV	C - 610-545-9349
Mathew Pellescki	Asst. Project Manager	Walsh/SBI JV	C - 484-352-8748
Michael Sprangers	Safety Manager	Walsh/SBI JV	C - 717-773-0017
Will Stephan, CHMM, CHST	NYNJ Regional HSE Manager	Walsh	C - 201-247-4847
Jeff Netzel	VP HSE - Heavy Civil/Transportation	Walsh	C - 904-545-5306

2.5 Phases of Work

Upon finalizing the Work Plans for the project, Job Hazard Analysis (JHAs) will be developed representing major phases of work. This SSSP identifies what is anticipated to be the major phases of work. However, based on the approved work plans these work phases may change.

Prior to executing each phase of work, the task specific JHA will be discussed and reviewed with all personnel engaged in the activity and when the JHA is modified, based on new hazards identified.

3.0 STATEMENT OF SAFETY AND HEALTH POLICY

Safety and health in our business must be a part of every operation. Without question it is every employee's responsibility at all levels.

Walsh/SBI JV will maintain a safety and health program conforming to the best management practices of organizations of this type. To be successful, such a program must embody the proper attitudes toward injury and illness prevention not only on the part of supervisors and employees, but also between each employee and his or her co-workers. Only through such a cooperative effort can a safety program in the best interest of all be established and preserved.

It is the intent of Walsh/SBI JV to comply with all laws. To do this, we must constantly be aware of conditions in all work areas that can produce injuries. No employee is required to work at a job he or she knows is not safe or healthful. Employees' cooperation in detecting hazards and, in turn, controlling them is a condition of their employment and requires them to inform their supervisor immediately of any situation beyond their ability or authority to correct.

The personal safety and health of each employee of this company is of primary importance. The prevention of occupationally-induced injuries and illnesses is of such consequence that it will be given precedence over operational productivity at all times. To the greatest degree possible, management will provide all mechanical and physical facilities required for personal safety and health in keeping with the highest standards.

Our objective is a safety and health program that will eliminate all preventable injuries and illnesses, not merely in keeping with, but surpassing, the best experience of operations similar to ours. Our goal is nothing less than zero accidents and injuries.

4.0 RESPONSIBILITIES AND LINES OF AUTHORITY

This SSSP presents the site-specific requirements that will ensure compliance with Walsh Construction's Corporate program while maintaining compliance with OSHA regulations.

Walsh/SBI JV retains full responsibility for the implementation of this SSSP. However, all site personnel are responsible for adherence to this SSSP during the performance of their work.

Personnel responsibilities for project safety and the lines of authority of these safety personnel are described below. Contact information for key project personnel is provided in **Table 2-1.**

4.1 Health and Safety Responsibilities

The following sections describe the key safety personnel involved in this project and their responsibilities. As demonstrated by the responsibilities of each role, and as discussed in Section 4.4, Walsh/SBI JV maintains separate lines of authority for technical task management from safety to limit conflicts of interest between maintaining project deliverables, budget, and schedule; and safety. Appendix H contains the resume and qualifications of the key health and safety personnel assigned to this project.

To achieve the goals of the SSSP, every individual must fulfill his /her responsibilities and comply with the HSE requirements. Failure to do so could result in removal from the site.

No work will be conducted on the site without the presence of the Safety Manager, designated representative and/or Competent Person. Pre-task analysis, which may include Job Hazard Analysis (JHA) and/or Task Hazard Analyses (THA) reviews, and daily safety tailgate meetings will be conducted prior to performing work. All employees working on-site will have the authority to stop work if unsafe conditions exist and/or if they are not properly trained or approved to conduct such job tasks.

4.1.1 Project Safety Manager / Regional Health, Safety & Environment Manager

The Regional Health, Safety & Environment Manager, **Will Stephan,** CHMM, CHST, will oversee the HSE program, structure and implementation. The Regional HSE Manager's responsibilities for this project include:

- Lead author in the development of the SSSP
- Develop and/or review JHAs prepared for the project
- Frequently monitor the implementation of, and adherence to, the SSSP
- Revise and /or review the SSSP when required by field conditions, means & methods or scope items
- Develop and provide orientation training for project team personnel
- Ensure project compliance with OSHA and USCG rules and Walsh/SBI JV HSE standards and requirements.
- Stop Work when unsafe conditions are observed.
- Verify training records are maintained and available upon request

- Be available on a 24-hour basis for consultation with the Safety Manager, PM/Supt. during on-site emergencies, or as needed
- Provide on-site consultation, as needed, to ensure the SSSP is fully implemented
- Conduct general safety inspections during site visits
- Participate in the investigation of unplanned events, Near Miss incidents, and accidents
- Evaluate air monitoring data and recommend changes to engineering controls, work practices, and/or personal protective equipment (PPE)
- Assist in development of on-site training, which will be presented by the Safety Manager.

4.1.2 Project Manager

The Project Manager (PM), **Brian Midlick** reports directly to the Program Manager, and represents Walsh/SBI JV in all aspects of work under this contract SOW. The PM is responsible for the following:

- Providing leadership by setting an example for all site personnel through actions and words regarding the importance of proper H&S practices and holding project staff accountable for safety performance
- Serve as the Emergency Response Coordinator (ERC)
- Ensuring an adequate project budget is available to implement the SSSP
- Ensuring that subcontractor SOWs include appropriate safety provisions and expectations
- Participating general safety inspections during site visits
- Participating in the investigation of unplanned events high loss potential incidents, and accidents
- Ensuring that unplanned events, Near Miss incidents, and accidents are properly reported to Enstructure's and Walsh/SBI JV's HSE organization
- Notifying the Regional HSE Manager of any changes in the SOW or site conditions
- Ensuring that the SSSP is updated to address new hazards

4.1.3 Site Superintendent

The Site Superintendent (SS), **Jody Ware,** reports to the PM and is responsible for the following:

- Setting an example for all site personnel through actions and words regarding the importance of proper health and safety practices on the job;
- Assisting in the development of JHAs before beginning work;
- Communicating all health and safety issues and daily work plans and schedules with the Safety Manager;
- Ensuring all employees and subcontractors are properly trained and implement the SSSP;
- Monitoring overall safety performance of field personnel;
- Participation in weekly REAP reviews and conducting a weekly general safety inspection of the site;
- Enforcing safety rules and correcting work practices or conditions that may result in injury or hazard exposure;
- Immediately stopping site operations in emergencies or serious hazard exposure;

- Preparing and submitting required work progress and incident reports; and
- Ensuring proper equipment is provided, utilized, and maintained in accordance with manufacturer recommendations.

4.1.4 Project Safety Manager

The Project Safety Manager, **Mike Sprangers,** reports directly to the Project Manager, and represents Walsh/SBI JV in all aspects of Health, Safety & Environment (HSE) under this contract SOW. The Safety Manager position reports indirectly to the Regional HSE Manager. The Safety Manager is responsible for the following:

- Perform safety checks. Conducting general safety inspections during site visits and frequency as per Walsh/SBI JV SOP
- Document any safety findings and corrective actions taken.
- Complete Daily Safety Reports.
- Leading and documenting the investigation of unplanned events Near Miss incidents, and accidents
- Ensuring that unplanned events, Near Miss incidents, and accidents are properly reported to the PM and Walsh's HSE organization
- Perform new employee and post-accident drug / alcohol testing.
- Observe and monitor all field crews under the supervision of the designated Competent Persons
- Serve as the general site Competent Person
- Setting an example for all site personnel through actions and words regarding the importance of proper HSE practices on the job
- Present Project Safety Orientation training to all new Walsh/SBI JV employees assigned to the project, any site visitors, and Walsh/SBI JV subcontractors
- Convene and present a safety topic at the Weekly Safety Huddle meeting
- Developing or assisting in the development of JHAs before beginning work
- Ensuring all employees and subcontractors are properly trained and complying with the SSSP
- Monitoring overall safety performance of field personnel
- Enforcing safety rules and correcting work practices or conditions that may result in injury or hazard exposure
- Immediately stopping site operations in emergencies or serious hazard exposure. STOP WORK authority
- Ensuring proper PPE, safety equipment is provided, utilized, and maintained in accordance with the JHA and manufacturer recommendations
- Ensuring that subcontractor SOWs include appropriate safety provisions and expectations
- Notifying the Regional HSE Manager of any changes in the SOW or site conditions that warrants revision to the SSSP
- Ensuring that the SSSP is updated annually to address new hazards
- Recording, organizing, archiving, and maintaining project safety documents for the duration of the project

4.1.5 Field Personnel

Field personnel report to the Project Manager / Site Superintendent and are responsible for understanding and abiding by the SSSP and performing work in a safe and responsible manner. Specific responsibilities include:

- Act at all times in a responsible manner to prevent incidents, injury, and exposure to the individual or co-workers
- Report all incidents, including near misses, and hazards to the Superintendent or Safety Manager
- Attend and participate in all daily safety tailgate meetings; participate in review and signing of THA's; attend weekly Safety Huddles
- Follow the instructions and directions of the Safety Manager and Superintendent regarding safety
- Comply with 100% use of PPE provided
- Follow all field safety procedures for safe work practices
- Perform tasks as instructed (unless the individual feels unqualified to perform the task(s) safely)
- Arrive to work fit for duty (i.e., well rested, not under the influence of any substance)
- Conduct work in a manner compliant with the SSSP and JHAs
- Report any personal condition that may affect their safety and/or the safety of coworkers (e.g., fatigue, drowsiness, illness, impairment by medications, influence by drugs or alcohol, emotional stress)

4.1.6 Subcontractors

Subcontractors are responsible for understanding and abiding by the SSSP and performing their assigned scopes of work in a safe and responsible manner. Specific responsibilities include:

- Comply with the requirements of their contract SOW
- Maintain a safe and healthy work environment
- Review the SSSP to ensure that the H&S requirements of their specific tasks are satisfied
- Perform all work in accordance with the SSSP requirements
- Provide trained and experienced workers for the specific work activities
- Attend and participate in the Daily Safety Tailgate Meetings; attend weekly Safety Huddles
- Identify additional training needs for unique tasks
- Enforce company and project-specific rules and procedures during work activities
- Report all incidents to the Walsh/SBI JV Safety Manager, Superintendent and participate in the investigations
- Ensure all equipment brought to the site is in a "new or like new" condition, routinely inspected, and maintained in safe working order
- Arrive to work fit for duty (i.e., well rested, not under the influence of any substance)

4.1.7 Site Visitors

Site visitors are responsible for the following:

- Participate in site training consistent (Visitor Indoctrination Section 6.5) with the level required for site access
- Follow all site rules and instructions, including decontamination as warranted
- Be escorted at all times during the site visit, unless otherwise approved by the Safety Manager
- Wear project-required and task-specific PPE as mandated by the SSSP and JHA
    - Proper PPE will be provided by Walsh/SBI, JV, as required if needed.

4.2 Competent and/or Qualified Persons

Competent Persons will be identified under this contract. The Project Safety Manager functions as the site competent person for construction activities. For specific tasks, where specific competent persons need to be identified, these personnel will have successfully demonstrated their ability to solve or resolve problems related to construction activities, exposure control, industrial hygiene and safe work practices. Individuals are deemed competent based on recognition of a degree, certificate, or professional standing, or through extensive knowledge, training, and experience. No work shall be performed unless a designated Competent Person is present on site. Qualifications for Competent Persons will be maintained onsite and available to Enstructure upon request. Competent Persons will also be listed in the JHAs.

COMPETENT / QUALIFIED PERSON(S)

Name	Area of Competency	Company
Jody Ware, Superintendent	■ OSHA 30 Construction ■ Fall Protection ■ Trenching & Excavation	Walsh/SBI JV
Mike Sprangers, Safety Manager	■ OSHA 30 Construction ■ Trenching & Excavation ■ Fall Protection ■ Confined Space Entry	Walsh/SBI JV
Alt. Safety Manager, T.B.C.		Walsh/SBI JV
Brian Midlick, Senior Project Manager	■ OSHA 30 Construction ■ Trenching & Excavation ■ Fall Protection	Walsh/SBI JV

4.3 Requirements for Pre-Task Safety and Health Analysis

Prior to conducting on-site work, activities associated with the work will be evaluated by the Safety Manager to determine potential hazards associated with the activities. The hazards will be documented in JHAs. Site-specific JHAs will be developed for each phase of work; Appendix A provides a template. The JHAs will be developed by the key safety personnel identified in Section 4, with input from Superintendent / Foreman and subcontractors doing the work.

Site personnel are required to review this SSSP and associated plans and will be given a Project Safety Orientation Briefing on the contents of the SSSP and associated plans. The Safety Manager will provide the Safety Orientation Briefing which will include discussion of the items described in Section 6.2

4.4 Lines of Authority

Safety and health in our business must be a part of every operation. Safety is the responsibility of every The Walsh/SBI JV employee, as well as, every subcontractor or subcontractor employee working for The Walsh/SBI JV. It is the duty and requirement of all personnel working on this project to follow the direction of the Safety Manager and report any and all safety issues to the Safety Manager. The individual employee is responsible for knowing, understanding, following and enforcing the company and project safety rules and regulations.

The Safety Manager is responsible for the overall safety of this project and is responsible for direct implementation of the project safety program and accident prevention plan. The Safety Manager reports directly to the Project Manager and must notify the Project Manager and the Regional HSE Manager of any and all serious incidents, notices of violations, or any other situation beyond the Safety Manager's ability to control.

The project Superintendent, **Jody Ware,** is responsible for ensuring that the safety program is fully implemented and enforced. The Project Manager reports directly to the Program Manager, Business Group Leader and president of The Walsh Group, Mr. Daniel Walsh Jr.

4.5 Wireless Communication Device Policy

Use of cellular phone or accessories, portable music players, pagers, tablets, laptops, or other similar and evolving devices which may distract or impar an employee's attention is forbidden while performing physical work or operating power tools, machinery, self-propelled equipment, or motor vehicles. Use of this equipment may be used only at work sites where a "safe area", away from construction activities, has been established; while performing no other duties; and while it is otherwise safe to do so.

Violation of this policy may result in disciplinary action against the offender. Disciplinary actions will be consistent with the Walsh/SBI JV Disciplinary Policy.

4.6 Noncompliance Policy

The Walsh/SBI JV/SBI has established a "Three - Strikes and You're Out" Disciplinary Action Program.

If an employee or company does not follow The Walsh/SBI JV/SBI's Health and Safety Plan or any other applicable Federal Safety or Health Standard or rule, they are subject to disciplinary action, including (Step 1) a verbal violation (documented), (Step 2) a written violation, and (Step 3) another written violation that may include suspension without pay or termination from the project. All three steps will require re-training of the individual as assessed by the Safety Manager.

Depending upon the severity of the safety violation, the employee and /or company could be given a written violation, a suspension, or termination immediately. A type of violation that may result in a written violation, skipping a verbal violation, could be failure to follow directions of the project's safety officer or causing an accident to one self or another. A violation that is egregious will result in an immediate suspension or termination such as failure to wear fall protection when so instructed. The type of violation shall be determined by the Safety Manager, the Safety Manager, or the Superintendent assigned to the project, or any other officer of The Walsh/SBI JV/SBI.

If a safety violation is issued to either an employee or company, it shall be in writing and a copy of the form shall be given to the employee or company in violation of the safety rule and, in case the violation is committed by an employee, their employer shall be notified immediately.

There are two forms that may be used to issue a written safety violation, they include, but are not limited to, (l)"Company/Employee Disciplinary Action" form or (2) the pocket version "Safety Notice of Violation or Unsafe Practice" form.

4.7 Drug Free Workplace Policy *I* Substance Abuse Program

WCCII is committed to providing a safe work environment for the health and wellbeing of its employees. This commitment is jeopardized when an employee illegally uses drugs or alcohol on the job, comes to work under the influence of these substances, or possesses, distributes, or sells drugs in the workplace.

It shall be a violation of this Policy for any employee to possess, sell, trade, or offer for sale illegal drugs on the job. It shall be a violation of this Policy to use illegal drugs or be under the influence of illegal drugs or alcohol at any time while on or using company property, conducting company business or otherwise representing the company. It shall be a violation to consume alcohol on the job before or during work hours.

It shall be a violation of this Policy for anyone to use prescription drugs illegally. However, nothing in this Policy shall preclude the appropriate use of legally prescribed medications, except for the use of medical marijuana, which to the fullest extent permissible under the laws is strictly prohibited hereunder. Employees are responsible for notifying their supervisor if the prescribed medication will affect the employee’s ability to perform any function of their job.

Violations of this policy may lead to disciplinary action, up to and including immediate termination of employment, and/or required participation in a substance abuse rehabilitation or treatment program. The employee is not eligible for rehire for a period of six months and successfully completion of a drug test, minimal 5 panel test, coordinated by the Company and certified by a medical review officer if required. The employee would then be subject to unscheduled sporadic testing for at least one year after the reinstatement of employment.

All WCCII personnel assigned and/or hired for this project will be subject to pre-employment drug screening and will be enrolled in the company random drug-screening program or if there is suspicion or cause. For any Marine Casualty accidents that occur under the jurisdiction of the

USCG, any individuals involved will be required to take a US DOT drug and alcohol test within 32-hrs. and 2-hrs., respectively of the incident occurring.

A copy of the WCCII Drug Free Workplace Policy will be posted on the project site and will be discussed as part of the project HSE Orientation training.

4.8 Company Procedures for Manager and Supervisor Accountability

The Walsh/SBI JV/SBI requires that all employees and supervisors strictly adhere to the safety rules set forth in the Code of Safe Practices. If anyone violates a safety rule, he/she will be disciplined in accordance with the severity of the infraction. The discipline imposed will be at the sole discretion of The Walsh/SBI JV/SBI (limited only by contractual or legal restrictions), and may range from a warning, to a disciplinary suspension with pay, up to and including discharge (The Three Strikes and You're Out Program is discussed in Section 8.C of the Employee Handbook). The Supervisor, Manager, Superintendent, or the VP HSE, imposing the discipline will be responsible for documenting it on the form SAF-012. A copy of the form shall be sent to The Walsh/SBI JV Group's VP HSE.

5.0 SUBCONTRACTORS AND SUPPLIERS

Walsh/SBI JV will execute this project through a combination of self-performance and subcontractors hired to perform specific work activities. Subcontractors will be selected to perform specific fieldwork based on understanding of the work, experience, qualifications of personnel, safety performance and ability to meet cost and schedule.

5.1 Identification of Subcontractors and Suppliers

Subcontractors expected to participate in specific fieldwork will be identified based on the specific needs of the execution team. As subcontractors join the team their employees will be indoctrinated into the Walsh/SBI JV Safety Program. Specific suppliers of materials required per the SOW and specifications will be vetted by the PM.

Company	Work Element
Riggs Distler	Electric
T.B.D.	
T.B.D.	
T.B.D.	

5.2 Managing Subcontractors

The PM is responsible for procuring subcontractors and has overall responsibility for the work performed by personnel and subcontractors. Day-to-day technical management of subcontractors will be performed by the Project Manager / Site Supt. Onsite control of subcontractors with regard to safety will be the responsibility of the Superintendent and Safety Manager. Specific responsibilities of subcontractors selected for each selected work activity include:

- Comply with the requirements of their SOW
- Maintain a safe and healthy work environment
- Comply with contract requirements, laws, and regulations
- Review this SSSP to ensure the HSE requirements of their specific tasks are satisfied
- Perform work in accordance with the SSSP requirements
- Provide trained and experienced workers for the specific work activities
- Provide documentation of training to the Safety Manager
- Participate in the Pre-Entry, Daily Safety Tailgate Meetings, and Weekly Safety Huddle
- Identify additional training needs for unique tasks
- Ensure equipment delivered to the site is in good condition, routinely inspected, and maintained in safe working order

The Safety Manager will present the required safety orientation training and documented.

Subcontractor personnel will be required to sign in and out of the site each day and attend daily tailgate briefings. Materials, as identified in the written Hazard Communication Program (HAZCOM), to be brought on-site will be coordinated through the Safety Manager to ensure the Safety Data Sheets (SDS's) are obtained and safe storage can be arranged, if necessary.

Subcontractor safety is critical to successful project performance, and on-site subcontractors are required to have a safety program. Subcontractors are expected to comply with the provisions of this SSSP. Subcontractor safety performance on the job will be monitored and substandard practices and conditions will be addressed immediately.

Suppliers will be required to submit Safety Data Sheets (SDS) along with their deliveries. The PM / Safety Manager will verify that SDS's are available onsite for all materials brought onto the project. Delivery drivers will be obligated to adhere to the projects basic PPE requirement and as directed by the Safety Manager.

6.0 MEETINGS AND TRAINING REQUIREMENTS

Walsh/SBI JV and subcontractor project personnel will have the training required to safely execute planned project activities. Prior to commencement of site activities, Walsh/SBI JV employees and subcontractors engaged in site operations will be informed of the physical and chemical hazards that are likely to result from participation in site operations. Walsh/SBI JV will accomplish this by ensuring that personnel entering the site have received the appropriate site-specific orientation and task-specific training. Orientation training will be held at the time of site mobilization and will be reinforced during the daily safety briefings, which site workers will be required to attend.

6.1 Project Training Requirements

The training listed in **Table 6-1** will be provided to project personnel as noted. In addition to the topics listed below, the Safety Manager may identify additional topics and work tasks to be included in the training requirements. These special requirements may be noted on Project JHAs requiring additional training. All required training will be documented, and records maintained on-site, available for review upon request.

Table 6-1 Project Meetings and Training Requirements

Topic	Description	When Conducted	Personnel
Safety Orientation for new employees	Review H&S procedures and policies, incident reporting, hazard communication, medical treatment and emergency response	Prior to project assignment	All project personnel
SSSP	Review SSSP requirements during site orientation	Safety Orientation Briefing (Section 6.2)	All project personnel
JHAs	Discuss activity-specific hazards, controls, and training requirements for a specific phase or activity	Before initiating specific tasks	Project personnel engaged in the activity
THA	Task Hazard Analysis specific to the task being performed	Daily	Walsh/SBI JV Supt / Foreman + Subk's
Safety Huddle	Communicate informative safety information across the company on all projects	Weekly	Walsh/SBI JV PM / Safety Manager / Supt.
Daily Safety Briefings	Lead by foreman for each crew to discuss and review the JHA and THA	Daily	Walsh/SBI JV Foreman
HAZWOPER 40 Hour	Methods for handling/clean-up of hazardous wastes or materials	Prior to working in specified areas	Field personnel engaged in activity in area
HAZWOPER 8 Hour Supervisor	Identifies supervisor responsibilities while working with hazardous wastes or materials	Prior to working in specified areas	Walsh/SBI JV Foreman
HAZWOPER 24 Hour	Methods for handling/clean-up of hazardous wastes or materials	Prior to working in specified areas	Personnel on-site only occasionally for specific limited tasks
HAZWOPER 8 Hour Annual Refresher		Annually	

Topic	Description	When Conducted	Personnel
OSHA 30-hour Construction Safety	Common hazards, controls, and OSHA requirements for construction activities	Before initiating fieldwork	Walsh/SBI JV PM, Supt. Foreman, Safety Manager
Emergency Action Plan	Roles, responsibilities, recognition of emergency conditions, reporting and notification, evacuation, and other procedures	Safety Induction Briefing	All project personnel
Hazard Communication	Requirements for SDSs and labels; site material hazards and controls; signs and symptoms of exposure; location of and access to Hazardous Materials and their SDSs	Safety Induction Briefing	All project personnel
First aid/CPR, including bloodborne pathogen training	Principles and techniques for First Aid and Cardiopulmonary Resuscitation	Before initiating fieldwork	At least two project personnel

6.2 Safety Orientation Briefing

Walsh/SBI JV employees, subcontractors, and visitors at the site will be required to review the SSSP and any supplemental plans. They will also receive site-specific training before being permitted to engage in site operations. This Safety Orientation Briefing by the Safety Manager will involve:

- Site and Work description
- Walsh/SBI JV Safety Policy
- Drug and Alcohol Policy
- Wireless Communication Device Policy
- Marine Construction Safety
- General and task-specific hazards and hazard controls (JHAs)
- Daily Safety Briefing / Weekly Safety Huddle
- Incident and Near Mis reporting and notification procedures
- Emergency response plan and procedures
- First Aid Kits, Medical Clinic and Hospital locations
- General and Task-specific PPE requirements
- Fire Prevention and Hot Work procedures
- Lines of authority and communication
- Employee Responsibilities
- Stop work authority in cases of safety non-compliance
- Focus Four Hazards and General Construction Safety
- Disciplinary Policy and Procedures
- Hazard Communication Program

Personnel will not be permitted to participate in site activities until they have undergone this briefing. Signatures of those attending will be entered in the SSSP Compliance Agreement Form before site access is granted (the form is included in **Appendix C** of this SSSP).

6.3 Safety Meetings

WCCII will communicate HSE Program elements through meeting held with the workforce. These meetings will include:

- Daily Safety Tailgate / THA / Toolbox Talk meeting - lead by the Foreman and attended by all crew members. Documented through the Daily Safety Tailgate / THA / Toolbox Talk
- Weekly Foreman F.I.R.S.T meeting - Convened by the project Safety Manager / Safety Professional and attended by all project foreman. The meeting agenda will be in accordance with the WCCII SPAT #04. Meetings will include a training element relevant to the project.
- Weekly Safety Huddle meeting - Lead by the project Safety Manager / Safety Professional or designee. Meetings communicate the corporate safety topic "Huddle Topic" as well as broadcasting positive observations, safety recognition, elevate discussion of safety findings and trends, and open discussion among the work force.
- Craft Leadership in Safety meeting (weekly / monthly) - Convened by the project management team along with representatives of the craft. Meeting will have an agenda, but objective is to promote the EHS Program. The PM and Safety Professional will determine when and how this meeting will be implemented.

6.4 Periodic Safety and Health Training for Supervisors and Employees

All project personnel will participate in training/refresher topics throughout the project. These topics may be presented a part of the tailgate, Safety Huddle meetings, or as separate classes established for specific project work activities and procedures.

6.5 Visitor Indoctrination Policy

All site visitors will be required to receive an orientation as well as review the JHA and safety concerns for activities being performed on the site. All visitors must sign the visitor's log. At a minimum, all visitors must be informed of the anticipated hazards, PPE requirements, designated work zones, escort procedures, and emergency procedures.

Visitors may enter the work site upon meeting the following conditions:

- Being authorized by Site Security, if required
- Escorted by an authorized Walsh/SBI JV or subcontractor representative
- Receive site hazard and safety instructions from the Safety Manager or PM
- Review and comply with the essential elements of the SSSP
- Using their own or project provided PPE, to enter work areas per the SSSP
- Reporting any observed unsafe act and/or condition at, or affecting, the work site

7.0 SAFETY AND HEALTH INSPECTIONS

The purpose of systematically conducting safety and health inspections is to:

- Identify potentially hazardous conditions
- Identify potential non-conformances in the implementation of this SSSP
- Provide management with a summary of these conditions and non-conformances
- Aid management in the establishment of abatement priorities based on potential risk

The Safety Manager will conduct safety inspections of all work and equipment as part of their daily routine project responsibilities. Any unsafe practices or equipment will be halted immediately and will be noted on the Daily Safety Report. The individual responsible for correcting the unsafe condition will be notified. The Safety Manager and the responsible individual will determine a course of action to correct the condition and prevent a recurrence of the condition. The results of corrective actions taken will be recorded through a follow-up inspection and the Daily Safety Report.

The Safety Manager will administer and monitor Correct Actions for all safety non-conformances found on the project site. The Safety Manager will coordinate with site operations and other responsible parties, including subcontractor foremen, to correct noted non-conformances in a timely manner. As non-conformances are corrected, they will immediately be noted and documented in the Daily Safety Report.

As part of a safety and health program for this project, periodic monitoring of the site will be conducted by the Regional HSE Manager. Findings will be immediately reported to the Safety Manager, Project Manager for correction, if necessary.

7.1 External Inspections and Certifications

If regulatory agency personnel arrive on site to conduct an inspection, the Walsh/SBI JV PM and the following individuals will be contacted immediately:

- Walsh Construction Regional HSE Manager
- Walsh Construction Heavy Civil/Transportation HSE Division Manager
- Walsh Construction BGL / Sr. BGL
- Walsh Construction General Counsel
- Walsh/SBI JV Executive Committee
- Enstructure Representative

8.0 ACCIDENT REPORTING & INVESTIGATION

8.1 Reportable Accidents

The following types of accidents will be reported immediately to the on-site Enstructure/NNP representative, and followed up with an investigation report:

- Job-related injuries and illnesses
- Accidents resulting in significant loss or damage to property
- Accidents involving vehicles, whether or not damage to property or personnel resulted
- Environmental releases to air, water or soil
- Accidents in which there may have been no injury or property damage, but which have a high probability of recurring with at least a moderate risk to personnel or property ("Near Miss")
- Accidents, environmental releases or Near Misses that occur on a barge, boat or navigable water under jurisdiction of the US Coast Guard. Incidents requiring notification to USCG include: Marine Casualty, Commercial Diving Casualty, or OCS-Related Casualty.

The following types of accidents will be reported immediately to the PM or to a Walsh/SBI JV Corporate Officer, so that they may make the appropriate OSHA notification:

- All work-related fatalities (one of more employees / persons) as a result of a single occurrence within 8 hours
- All work-related inpatient hospitalizations, all amputations and all losses of an eye within 24 hours

One may report to OSHA by:

a) Calling OSHA's free and confidential number at 1-800-321-OSHA (6742)
b) Calling your closest Area Office during normal business hours (the local # will be added by project site)
c) Using the OSHA online form

Reporting of Casualty incidents occurring on a navigable waterway are to be reported:

a) Calling the US Coast Guard within 48-hrs. if there is a death (within 24-hrs. of occurrence), medical attention beyond first aid, disappear of person from vessel.
b) A boating accident resulting in property damage totaling $2,000 or more or a complete loss of any vessel.
c) Contact the USCG - Delaware Bay Sector at 206-815-6850/833-453-1007 or NRC at 800-424-8802 (for environmental releases)
d) Complete the USCG Form 2692 and submit within 5 days

Near Misses - All near misses (an incident in which no property was damaged and no personal injury was sustained, but where, given a slight shift in time or position, damage or injury easily could have occurred) will be reported to the Safety Manager / PM. Near Misses will be reported on the Daily Safety Report.

Third Party Claims - Any claim made by any third person against the General Contractor (GC) on account of any accident, the GC shall, within twenty-four (24) hours of notification, report the fact in writing to the PM, Regional HSE Manager and Walsh/SBI JV counsel, giving full details of the claim.

8.2 Exposure Data

Work-related incidents will be documented for statistical purposes. Personnel hours are defined as hours worked by persons assigned to the project, including subcontractor employees under contract to Walsh/SBI JV.

Walsh/SBI JV will maintain an OSHA 300 Log for the project and complete investigation reports (OSHA 301 equivalent) for all recordable injuries or illnesses. Accidents that result in any worker fatality will be reported to the OSHA within 8 hours and any amputation, loss of an eye, or hospitalization of a worker within 24 hours.

Subcontractors will be responsible for reporting their personal injury cases to the Department of Labor.

8.3 Accident Investigation Procedures

Accident investigation procedures will include the following:

- Identify, without placing blame, the basic causal factors that contribute directly or indirectly to accidents
- Suggest corrective action alternatives for a given accident
- Identify deficiencies in the SSSP and supplemental plans
- Provide information needed to identify trends and problem areas
- Satisfy Workers' Compensation and OSHA requirements for recordkeeping and reporting

The Walsh/SBI
JV/SBI has established accident investigation procedures, and will work to improve operational procedures through the use of this document. Preventing future workplace injuries in our company is the principle purpose of accident investigation. This document will provide a basis for studying and recording the reasons an accident occurred, identifying existing or potential job hazards (both safety and health), and determining the best course of action to take to reduce or eliminate these hazards.

8.4 Accident Reporting Procedures

Employees will immediately report accidents to their supervisor, or if on the project site, to the Safety Manager and Project Manager, who will then notify the Regional HSE Manager. The Enstructure/NNP representative will be notified by the Walsh/SBI JV PM as soon as possible, but no longer than 24 hours after being informed of the incident. The notification will include contractor name; contract title; type of contract; name of activity, installation or location where accident occurred; date and time of accident; names of personnel injured; extent of property

damage, if any; extent of injury, if known, and brief description of accident (to include type of construction equipment used, PPE used, etc.).

Walsh/SBI JV will preserve the conditions and evidence on the accident site until the investigation is conducted. A written report will be submitted to Enstructure/NNP within the timeframe required based on the severity of the incident.

9.0 HAZARD *I* RISK ANALYSIS

Walsh/SBI JV will perform a full hazard assessment for each of the individual field tasks. These assessments will evaluate the potential worker exposure hazards to chemicals.

Walsh's Corporate HSE Manual will be utilized to assist in the identification and implementation of appropriate hazard control measures. The Table of Contents for Walsh/SBI JV Corporate HSE Manual is presented in Appendix B.

Job Hazard Analysis (JHAs) will be prepared to address hazards and controls for major features of work identified during planning and implementation of fieldwork (e.g., due to alternative methods or equipment, etc.). The JHAs will be developed by the key safety personnel identified in Section 4, with input from subcontractors and employees doing the work, and will be reviewed with the field crews prior to executing work. Furthermore, it is the responsibility of the Superintendent / Foreman to prepare and review Task Hazard Analyses (THA) on a daily basis with their individual field teams to discuss anticipated hazards and the controls to reduce the hazard and lower risk.

9.1 Job Hazard Analysis - Policy and Procedure

Major activities to be performed will be covered in a Job Hazard Analysis (JHA). Craft labor and/or technical field personnel involvement in JHA development will be encouraged. All personnel involved in a task must review the JHA before performing the task. This review will be appropriately documented by the Safety Manager or the Competent Person. Upon commencement and throughout the activity, the JHA will be used to verify compliance with the prescribed hazard controls and to note any potential changes in process and, therefore, potential hazards.

JHA's will be written prior to the start of Construction Work Task (CWT) activities and presented to the field crews prior to initiating field work. JHAs will be made available to Enstructure upon request. All affected personnel will be trained to that particular JHA. If the SOW changes, or if alternate or improved methods and/or equipment are determined during the project, additional JHA's may be generated and added to Appendix A.

Safe Work Plans will be formatted to include the following:

1. Primary Work Activity - SOW
2. Task / Sub-activity Description - Task(s) to be performed
3. Equipment and Method of Construction - List of major equipment and how it will be used to perform task
4. Job Hazard Analysis (JHA) - Identify hazard(s) including comprehensive prevention methods for exposures to workers, the public, and property.
5. Safety Controls / Loss Prevention - Describe controls and procedures that will be implemented to reduce or eliminate the foreseeable hazards

Anticipated JHA's applicable to the planned work activities include:

1. Site Mobilization / Demobilization
2. Site Set-up (trailer, temporary fencing. Etc.)

3. Temporary Electrical
4. Excavation and materials handling
5. Material Sampling
6. Air monitoring
7. Marine Mobilization - Floating barges (Flexi-Float) / work platforms / Gangways
8. Establish access path for equipment to barged
9. Crane configuration set-up & Barge Stability
10. Erosion and Sediment Control Installation
11. Salvage of miscellaneous items
12. Soil / fill excavation & embankment
13. Demolition of existing structures
14. Utility Relocation (waterline / sewer)
15. Sheet pile installation
16. Steel Pile Driving (i.e., Pipe, Sheet)
17. Drainage installation
18. Cast-in-Place Concrete (formwork / Placement)
19. New Wharf precast erection
20. Cast in place concrete topping slab
21. Installation of marine appurtenances
22. Installation of new fender piles
23. Site pavement
24. Site Restoration

10.0 PERSONAL PROTECTIVE EQUIPMENT

The purpose of PPE and clothing is to protect individuals from physical and chemical hazards.

10.1 Basic Requirements

The basic requirements for PPE at the project site will include: American National Standard Institute (ANSI Z89.l)-approved, Safety Helmets - ANSI Type 2 / Class C, approved safety glasses (high impact, with side protection), American Society for Testing and Materials (ASTM)-approved footwear, long trousers and work shirts (sleeves must be at least 4" long, no tank tops and no baggy pants or shirts or loose cords, such as are on hoodies). If respiratory protection is used they must be National Institute for Safety and Health (NIOSH) certified, even if worn on a voluntary basis. Hand protection will consist of, at a minimum, A4-rated cut-resistant gloves or leather work gloves when working with hand and portable power tools, or handling materials and equipment with sharp edges or caught-between hazards; and chemical-resistant gloves whenever there is a possibility of contact with impacted soil. Additionally, certain areas will require PPE in accordance with the requirements detailed in the EMHCP.

10.2 Hazard Assessments

Specific work tasks with unique hazards and/or PPE requirements must be evaluated or re-evaluated prior to beginning work. PPE requirements, based on this assessment, will be included in the JHA for the specific task. All workers must be trained in the requirements of the SSSP and the applicable JHAs prior to beginning work. The required PPE may be changed by the Safety Manager, based on the results of air monitoring, new hazards identified or on task-specific needs. Downgrades to approved PPE levels will require the approval of the Safety Manager in consultation with the Regional HSE Manager.

10.3 Working Over or Adjacent to Water

During execution of field work personnel will be required to work on and/or adjacent to water. For any field activities where personnel will be assigned to tasks working on marine vessels (i.e., tugboat, barges, skiffs), within work areas of the bulkhead that do not contain permanent or temporary guardrail systems or on structures where there is exposure to water below personnel will be required to wear Personal Floatation Devices (PFD's). All work areas that require the donning of PFD's will be posted alerting personnel of this PPE requirement.

In accordance with 29 CFR 1926.106(a), personnel must be provided inherently buoyant Type III, Type V work vests, or better USCG-approved personal flotation devices (PFDs) properly worn in closed fashion (zipped, tied, latched, etc.). All wearable PFDs shall be of an international orange (or orange/red) color. Each PFD shall be equipped with a USCG-approved automatically activated light. Lights are not required for PFDs on projects performed exclusively during daylight hours.

Before and after each use, the PFD shall be inspected for defects that would alter its strength or buoyancy.

Throwable devices (i.e., ring buoys) will be provided as per 29 CFR 1926.106(c). This includes the following:

- On USCG-inspected vessels, ring buoys are required to have automatic floating electric water lights (46 CFR 160).
- On all other floating plant and shore installations, lights on life rings are required only in locations where adequate general lighting (e.g., floodlights, light stanchions) is not provided. For these plant and installations, at least one life ring, and every third one thereafter, shall have an automatic floating electric water light attached.

Life Rings or Ring Buoys

- Life rings (rope attachment not required) and ring buoys (rope attachment required) shall be USCG-approved; shall have at least 90 ft (27.4 m) of 3/8 in (0.9 cm) of attached solid braid polypropylene, or equivalent.;
- At least one not less than 20 in (51 cm) on each safety skiff up to 26 ft (7.9 m) in length (46 CFR 117.70);
- At least one (1) 24 in (61 cm) in diameter on all motor boats longer than 26 ft (7.9 m) in length up to 65 ft (19.8 m) in length and for motor boats 65 ft (19.8 m) in length or longer, minimum 3 life buoys of not less than 24 in (61 cm) and one additional for each increase in length of 100 ft (30.4 m) or fraction thereof; and
- At least one (1) at intervals of not more than 200 ft (60.9 m) on pipelines, walkways, wharves, piers, bulkheads, lock walls, scaffolds, platforms, and similar structures extending over or immediately next to water, unless the fall distance to the water is more than 45 ft (13.7 m), in which case a life ring shall be used. (The length of line for life rings at these locations shall be evaluated, but the length may not be less than 90 ft (27.4 m).
- Ring buoys shall be readily available to all personnel. Buoys shall be installed on stanchions. A high visibility flag or similar shall be used to visibly identify the location of the buoys when placed along the shoreline. An airhom will be placed at ring buoy locations on each barge.

Lifesaving and Safety Skiffs

During construction activities, at least one skiff will be immediately available at locations where employees are assigned to work over or immediately adjacent to water. Skiffs shall be kept afloat for instant launching.

The precise location of the safety skiff is to be included as part of each individual activities Work Plan but shall be immediately available and accessible for the active work location.

Personnel shall be trained in launching and operating safety skiffs and will be readily available during working hours. Personnel trained in lifesaving and assigned to this responsibility shall perform a lifesaving drill, including the launching and recovery of the skiff, before initiation of work and periodically thereafter as necessary, but at least monthly or whenever new personnel are involved.

Skiffs will be of the appropriate size equipped with an outboard motor of necessary horsepower to navigate in the river to respond immediately to a man overboard scenario or function as a personnel shuttle to transport personnel to/from the barges and land.

10.4 Personal Protective Equipment Inspection and Care

Inspection and care of PPE is covered in the Walsh/SBI JV/SBI Corporate HSE Manual, Section 13.

Table 10-1 Minimum PPE for All Work

PPE	REQUIREMENT
Footwear	Protective safety footwear (steel or composite toe) boots (minimum height of 6 inches) will be worn by all workers on the project. Boots must have ASTM F2412-05 & F2413-05 approval. Waiters or hip boots to be worn when exposure to sewage is high.
Head Protection	Safety Helmets - Milwaukee ANSI Type 2 / Class C with integrated safety goggles will be worn by project personnel at all times in designated construction areas of the project site. Safety Helmets must meet the requirements of ANSI Z-89.
Eye Protection	Integrated safety helmet goggles will be the primary eye protection used by site personnel. In addition, safety glasses approved for High Impact (ANSI Z87+) will be available for use by all site workers, in designated construction areas of the project site. Furthermore, safety goggles and/or face shields may be required for certain tasks, based on the risk assessment and/or at the discretion of the Safety Manager. Workers performing welding and cutting with torches or arc-welding equipment shall wear the proper shaded lenses in face shields and/or goggles. All eye protection must meet ANSI Z-87 requirements.
Hearing Protection	Protective ear plugs or muffs shall be worn when workers are exposed to potentially damaging noise including jack hammers, power saws and grinders, and combustion engines without mufflers.
Gloves	All workers shall use appropriate to the hazard will be worn to protect hands against abrasion, laceration, puncture, hot materials and surfaces, cold weather, cryogenic materials, and hazardous chemicals and biological agents. Hand protection will consist of nitrile gloves whenever there is a possibility of contact with soils, sediments, and groundwater were potential exists for contact with contamination. Leather work gloves when working with hand and portable power tools, or handling materials and equipment with sharp edges or caught-between hazards. Water-proof gloves will be used when exposure to sewage is high.
Clothing	Workers shall wear clothing that protects their skin from damage - shirts (with a minimum 4” sleeve) and long pants (no baggy pants) at a minimum. Workers exposed to welding operations, chemicals, abrasive blasting, wet concrete, asbestos, and other hazardous contaminants will wear appropriate clothing for the hazard. Workers using power tools or operating equipment shall not wear very loose or flowing clothing or strings/cords that may get caught in the equipment. Where exposure to sewage is high rain gear or other splash protective outer clothing will be provided to workers.
High Visibility Vest	MTA-approved flame retardant safety vests that have 360-degree reflective visibility, and 100% rip away capabilities. The front of the vest shall be fitted with a transparent plastic pocket, flush mounted, to accommodate a photo ID. Safety vests with a label on the front and back identifying them as a “Contractor”
Personal Flotation Devices (PFD’s)	Whenever work will be performed on, adjacent to or above water all personnel shall be required to wear PFD’s. This equipment is mandatory. Where work at elevation requires PFAS PPE a combined PFAS/PFD must be worn.

11.0 HAZARDS AND CONTROLS

Activities listed below can lead to serious injuries and fatalities in general construction work.

- Excavations
- Falls
- Electrical Energy
- Struck-By Objects or Machinery
- Falling Debris
- Operation of Mobile Construction Equipment
- Use of Machinery, Hand and Power Tools
- Confined Spaces
- Hoisting and Rigging
- Handling Flammable and Combustible Liquids
- Working adjacent to Passenger Vehicles on / with public ROW

Each type of work has specific PPE and safety requirements to do the work, as well as specific procedures that must be followed every time the work is performed. For each phase of work, an JHA will be completed. Furthermore, a Task Hazard Analysis (THA) will be developed by the Superintendent, Foreman or designated crew lead. THA's will be reviewed and signed off by all crew members prior to executing daily work activities. Workers shall be trained on appropriate safety precautions, the nature of the hazards involved, and any additional work methods used before performing each type of work.

11.1 Site Control

Site control procedures for this project will include the establishment of Work Zones to prevent unauthorized or unsafe access to work areas.

The Safety Manager, as well as Walsh/SBI JV and subcontractor employees, will remain alert for any unauthorized entry to the work site(s) and will take necessary actions to control the work area(s). Visitors may enter the site after meeting the following conditions:

- Receiving site hazard and safety instructions from the Safety Manager
- Reviewing and complying with the essential elements of the SSSP and the JHA
- Using appropriate PPE to enter regulated work areas, per the SSSP
- Being escorted by an authorized person on the project
- Reporting any observed unsafe act or condition at, or affecting, the work site
- A visitor's log will be maintained by the Safety Manager

Some or all of the following measures will be implemented to protect the public from site hazards:

- Postings of appropriate signage (i.e. "Do Not Enter", "Construction Area, No Trespassing", "No Unauthorized Access", etc.)
- Demarcation of a hazardous work zone perimeter with yellow caution tape stating "Caution" or "Do No Enter"
- Installation of temporary orange snow fencing at the construction Work Zone perimeter to restrict access

Storage containers (i.e., Conex) will be required to have a placard placed on the entrance doors. The placard shall include contact information: Company Name, Project Name / Number, Contact Name, Company Phone number.

11.2 Utility Avoidance and Protection

Underground Utilities

The PM / Supt. shall be responsible for contacting or ensuring that subcontractors have contacted the local utility location service (i.e., DE Miss Utility Call 811) to determine whether utilities "reasonably may be expected to be encountered" during the project. An Excavation Permit must be initiated and completed (including all signatures as required), before excavation of the subject area commences.

All known utilities shall be identified and marked prior to excavation/trenching activities. Potential utilities requiring evaluation, verification, and mark-outs include electric, gas, oil, pipelines, sewers, telephone/communications, fiber optic, cable TV. Every effort shall be made to identify, trace, and mark utility lines. Unknown underground utilities may exist at many projects, in many areas.

Walsh/SBI JV and the Subcontractor(s) are responsible for ensuring that safe work practices are used to identify and avoid contact with underground utilities. The limits of the proposed excavation must be delineated or "white-lined" prior to utility evaluation. Identified utilities shall be marked with stakes, flags, paint, chalk, offsets, or other visible means of identification.

Intrusive soil activities conducted within a five foot "Buffer Zone" (horizontal or vertical, as measured from the outside edge of the utility) of any utility (electric, gas, high pressure, chemical storage tanks, pipelines, sewers, etc.) will require the use of non-aggressive excavation methods such as hand excavation using non-conductive hand tools, use of an air spade, hydro or vacuum excavation, or similar means.

If a previously unknown utility line is identified, uncovered, or disturbed during excavation/trenching activities, the excavation activity shall stop immediately, and project management notified. Excavation shall not recommence until the line has been evaluated, identified, traced, and/or safe work practices have been developed and implemented to limit or prevent associated hazards.

Utilities exposed during excavation or potholing must be protected. Utilities can shift or sag when the soil that was supporting and protecting the utility is removed. Utilities that are unsupported must be temporarily supported by shoring or other means as excavation continues.

Overhead Utility Lines

It is a "best safety practice" to never get closer than 10 feet (3 m) to an overhead power line. Before work begins, survey the site for overhead power lines. LOOK UP! All overhead wires shall be considered to be energized until proven that it is not an energized line.

If lines cannot be shut down, a minimum safe distance of 10 feet (3 m) must be established. Conduct a pre-work briefing to discuss the planned work. Include discussion of all equipment that could come in contact with the power lines (dump trucks, excavators, back hoes, cranes, etc.).

For lines rated 50kV or below, the minimum clearance between the lines and any part of the equipment (e.g., excavator, loader, crane) or load shall be 10 feet (3 m). For lines rated over 50kV, minimum clearance between the lines and any part of the equipment or load shall be 10 feet (3 m) plus 4 inches (10 cm) for each lOkV over 50 kV. Or, follow the ANSI guidelines for operating cranes (and other equipment) near overhead power lines (ANSI Standard B30.5-1994, 5-3.4.5) [ANSI 1994] as depicted in Table 10-2.

Table 11-1 Equipment/Power Line Safe Distances

Power line voltage phase to phase (kV)	Minimum safe clearance (feet / meter)
50 or below	10/3
Above 50 to 200	15/4.5
Above 200 to 350	20/6
Above 350 to 500	25/7.6
Above 500 to 750	35/10.6
Above 750 to 1,000	45/13.7

An observer/spotter shall be designated to observe clearance of the equipment and give timely warning for all operations where it is difficult for the operator to maintain the desired clearance by visual means. This shall be the ONLY job the observer is performing when an observer is required.

The following additional precautions should be followed around overhead utility lines:

- Post warnings on equipment cautioning the operators to maintain safe clearance between energized power lines and their equipment.
- Operate all equipment at a slower-than-normal rate in the vicinity of power lines.
- Exercise caution near long spans of overhead power lines, since wind can cause the power lines to sway laterally and reduce the clearance between equipment and the power line.
- Mark safe routes where equipment must travel beneath power lines.
- Exercise caution when traveling over uneven ground that could cause the equipment to weave or bob into power lines.
- Keep all personnel well away from the equipment whenever it is close to power lines.
- Prohibit persons from touching the equipment or loads until a signal person indicates that it is safe to do so.

To protect against electrical shock injury in the event of contact between a piece of equipment and an energized line, the following procedures are recommended:

- The equipment operator should remain inside the cab.

- All other personnel shall keep away from the equipment, crane, ropes, and/or load, as the ground around the equipment might be energized.
- The equipment operator should try to remove the equipment from contact by moving it in the reverse direction from that which caused the contact.
- If the equipment cannot be moved away from contact, the operator shall remain inside cab until the lines have been de-energized.
- If the equipment catches fire, then the operator should jump off as far as possible, then land with both feet together and "shuffle" away to a safe distance. Do not make contact with the machine. Do not break contact with the ground

11.3 Excavations and Trenching

Excavation procedures will consist of advancing excavations to various depths below grade utilizing an excavator, backhoe or other heavy equipment. A Competent Person for excavation will be identified prior to the start of excavations.

All excavation work will be performed in accordance with 29 CFR 1926 Subpart P - Excavations (1926.650 - 196.652), and Walsh Construction HSE Manual, Section 24 - Trenching and Excavation and the **EXCAVATED MATERIAL HANDLING CONTINGENCY PLAN (EMHCP)** which is included in Appendix F.

A primary initial hazard with excavation operations is contact with underground utilities including electrical, gas, water, sewer, and/or chemical pipelines. To mitigate these hazards, the precautions cited in the previous section on underground utilities should be followed. Surface encumbrances (trees, boulders, and poles) that may create hazards to employees will be removed or supported, as necessary. An additional primary hazard associated with excavations is exposure to the open, excavated area, resulting in falls and/or collapse. To mitigate these hazards, the following safety actions will be completed:

- Excavated areas will be clearly marked and secured with barricades, fencing, caution tape, etc. to prevent unauthorized and/or accidental entry into work areas;
- Necessary foot and vehicle traffic will be directed away from and around the excavation work area, and the alternative routes clearly marked;
- The sides of the excavations will be sloped or benched to at least a 45-degree angle when possible; and
- No person will be allowed to enter any excavation greater than five feet deep without the proper shoring/sloping and site control requirements.
- The following section provides general requirements governing activities in and around excavations and trenches, as well as the requirements for the selection and use of protective systems.
- Surfaces surrounding open trenches and excavations shall have all surface hazards removed;
- Where structural ramps are used for egress they shall be installed in accordance with 29 CFR 1926.651(c)(1);
- Stairways, ladders, or ramps shall be provided as means of egress in all trenches 4 feet or more in depth. Travel distance shall be no more than 25 feet between means of exit;

- There must ALWAYS be two means of egress provided for personnel working in excavations;
- No employee shall be permitted under loads being lifted or under loads being unloaded from vehicles;
- When vehicles and machinery are operating adjacent to excavations, warning systems such as stop logs or barricades shall be utilized to prevent vehicles from entering the excavation or trench;
- Scaling or barricades shall be used to prevent rock and soils from falling on employees;
- Excavated and loose materials should be kept at least 3 feet from the edge of excavations, but at a minimum of 2 feet from the edge of the excavation;
- Walkways or bridges with standard railing shall be provided at points employees are to cross over excavations or trenches; and
- Barriers shall be provided to prevent personnel from inadvertently falling into an excavation.

Where atmospheres containing less than 19.5 percent oxygen or other types of hazardous atmospheres may exist in the excavation, the following requirements shall be implemented:

- Atmospheric testing shall be done prior to employees entering excavations 4 feet or greater in depth;
- Testing methods shall be listed on the daily inspection checklist and results documented daily in field logs;
- Control measures such as ventilation and personal protective equipment (PPE) shall be used to control employee exposure to hazardous atmospheres below published exposure limits;
- Ventilation shall be used to control flammable and combustible vapors to below 10 percent of their lower explosive limit;
- Testing shall be repeated as often as necessary to ensure safe levels of airborne contaminants;
- Emergency equipment shall be provided and attended when the potential for a hazardous atmosphere exists. This equipment shall include but not be limited to emergency breathing apparatus, harnesses, lifelines, and basket stretchers. Required equipment will be listed on the daily inspection checklist and reviewed daily.

Additional excavation requirements are as follows:

- Employees shall not work in excavations in which water has, or is, accumulating without the use of additional protection such as special support systems or water removal;
- Water removal shall be monitored by a competent person;
- Barriers such as ditches and dikes shall be used to divert runoff from excavations and trenches;
- Trenches shall be re-inspected prior to re-entry after water accumulation due to heavy rainfall or seepage;
- Support systems such as shoring, bracing, or underpinning shall be provided where the stability of buildings, walls, or other structures is endangered by excavation;

- Excavation bases or footings of foundations shall be prohibited unless support systems are used, the excavation is in stable rock, a professional engineer has determined the structure is sufficiently removed from the site as to not pose a hazard, or the PE determines that the excavation shall not pose a hazard to employees due to the structure;
- Support systems shall be used when it is necessary to undermine sidewalks, pavements, and appurtenant structures;
- Surcharge load sources and adjacent encumbrances shall be listed with their evaluation date on the daily inspection checklist;
- Protective systems are required on all excavations over 5 feet in depth or in excavations less than 5 feet when examination of the ground by a Competent Person reveals conditions that may result in cave-ins;
- Selection of a protective system shall be made based upon soil classification and job requirements as determined by a Competent Person. Protective systems and specifications shall be listed on the daily inspection checklist.

11.4 Confined Space Entry

Walsh/SBI JV Group HSE Manual, Section 38 - Confined Space Entry, provides the requirements to ensure a safe working environment within and around confined space operations by evaluating confined space hazards, implementing necessary controls, and regulating employee entry into confined spaces in accordance with proper confined space procedures and protocols. Confined Space entries will comply with the OSHA standard, 29 CFR 1910.146, 1926.1204 and NYCT Policy Instruction 10.19.1

The current SOW does not require entry into work areas that meets the definition of confined space. Based on this, a Confined Space Entry Plan has not been prepared for incorporation into this SSSP. If, based on future construction activities, entry into a confined space is necessary, a Confined Space Entry Plan will be prepared. However, it is recognized that the barges do contain hatchways for access into the barge interior. Barge interiors are classified as Permit-Required Confined Spaces (PRCS). Unless there is an emergency, no entries will be performed into the interior of the barge. If an entry is absolutely necessary, only trained personnel will be permitted to enter the space. The complete Walsh/SBI JV Confined Space Entry procedure will be implemented.

Confined space entries should only be made if there is not a feasible method of performing the task from outside of the confined space.

A Confined Space is an enclosed area which exhibits the following characteristics:

- Is large enough and so configured that an employee can bodily enter;
- Has limited or restricted means for entry or exit; and
- Is not designed for continuous occupancy.

A Permit-Required Confined Space is a confined space which has one or more of the following characteristics:

- Contains or has the potential to contain a hazardous atmosphere;

- Contains a material that has the potential for engulfment of the entrant; or
- Has an internal configuration that could trap or asphyxiate an entrant.

The following practices shall be adhered to during actual confined space entries:

- All confined spaces will be treated as permit-required confined spaces unless the Safety Manager specifically provides an exemption in the SSSP, or by a field change request to the SSSP. Prior to entry, a properly executed permit shall be in place and signed by the Safety Manager, Entry Supervisor, Attendant, and each Entrant;
- Rescue capabilities will be evaluated, and an acceptable rescue plan will be developed prior to confined space entries. This plan must be approved by the Safety Manager prior to the beginning of the entry;
- The Entry Supervisor shall certify that all equipment is in place and operable, acceptable entry conditions are present, all personnel have been fully briefed and all personnel have signed the permit prior to initiating entry;
- The work area outside the space shall be barricaded to prevent unauthorized personnel from interrupting the attendants or entering the space. Unauthorized personnel shall be asked to leave the barricaded area. If unauthorized personnel refuse to leave the area, operations shall be terminated;
- Atmospheric monitoring for oxygen, LEL, and toxic air contaminants shall be conducted at the frequency noted on the permit. Results shall be logged on the permit;
- No permit-required confined space shall be entered without:
    - A full body harness;
    - A 6' lanyard attached to the harness "D" ring; and
    - A lifeline attached to the lanyard with the opposite end secured outside the confined space. The lanyard and lifeline must have double locking connectors.
- Top entries with a fall potential greater than 6 feet shall be made with fall protection. Fall protection shall meet the criteria specified in 29 CFR 1926.502(d);
- At least one attendant is required for permit-required entries. The attendant shall maintain visual or voice communications with entrants at all times. Attendants shall not leave their post unless formally relieved by another authorized attendant. The replacement shall be fully briefed by the entry supervisor on all information covered in the pre-entry briefing. Entry supervisors may also serve as attendants;
- When any confined space is entered where the noise level or respirator used prevents voice communication, visual contact between the standby and workers must be maintained;
- Metal ladders, hand tools or other instruments which may spark or cause a source of ignition, are not to be used within confined spaces where any detectable amounts of LEL is present;
- No burning, grinding, chipping, or other operation which produces heat, sparks, or ignition sources are to be performed without a hot work permit;
- One attendant shall be dressed in the same PPE as the authorized entrants, except for respiratory protection. Attendant supplied air shall be from a different source than that of authorized entrants;
- The entry supervisor shall terminate operations when the work is completed, an unacceptable entry condition is detected, or another emergency inside or outside the space

is detected. Authorized entrants shall immediately evacuate upon notification of the termination;

- Attendants may monitor multiple sites only if they are able to maintain continuous visual or voice communications with entrants. If continuous communications cannot be maintained, additional attendants shall be used;
- Attendants shall perform non-entry rescues in emergencies using rescue equipment staged at the site;
- Onsite personnel may perform entry rescues if they are adequately trained and identified in the rescue plan;

Upon completion of work and removal of the entrants, the permit shall be canceled by the entry supervisor and forwarded to the Safety Manager. Permits shall be maintained as a part of the project file.

11.5 Fall Protection

Based on the scope of construction activities, it is not anticipated that any work will need to be implemented at elevation at or above 6-feet in height. If, based on future scope activities, work must be performed at elevation, a Fall Protection Plan will be prepared.

Walsh/SBI JV and the subcontractors will implement a 100% Fall Protection Program. The program shall meet OSHA 1926 requirements and provide for training so that all employees understand that this program requires 100% fall protection requirements. Walsh/SBI JV will enforce a 100% fall protection policy with zero tolerance for non-compliance at all work areas where a worker or other person is exposed to an unprotected fall from an elevation greater than six (6) feet.

Walsh/SBI JV will use the hierarchy of controls to determine the best approach to reducing workers risk to fall hazards. Once determined, a Fall Protection Plan (see Appendix E) will be developed for this project.

OSHA regulations require a full body safety harness, shock absorbent lanyards and double locking hooks are provided by Walsh/SBI JV and / or subcontractor to be used by all employees. Walsh/SBI JV will use the hierarchy of controls to determine the best approach to reducing workers risk to fall hazards. The Fall Protection requirement for all work is six (6) feet for all work performed. Accordingly, Walsh/SBI JV and / or the subcontractor will take all measures to eliminate, prevent and control fall hazards.

11.6 Mobile Elevated Work Platforms (MEWPs)

Training:

Only trained personnel shall operate and use mobile elevating work platforms (MEWPs). All occupants must be trained and familiar with the controls of the MEWP in use. Supervisors responsible for work that requires the use of MEWPs shall also be trained and familiar with the controls for the units in use.

All training shall consist of familiarization with the operation of the equipment in accordance

with the manufacturer guidelines, potential hazards, site specific safety plan, and fall protection.

Operators are to be evaluated operating the MEWP. Upon satisfactory demonstration of proficiency, the operator will receive credit for the training. Some projects may issue a certification card, hard hat decal, or similar method to acknowledge accomplishment.

Specific requirements:

Emergency planning. Prior to use, an emergency rescue plan shall be created and reviewed by all employees associated with operation. This can be a separate plan or documented at the bottom of the THA form under emergency procedures.

Lift controls shall be tested each day prior to use to determine that such controls are in safe working condition. Any deficiencies shall be reported to a supervisor immediately and the equipment is not to be used.

Note: All aerial boom MEWPs shall be equipped with an anti-crushing device across the controls. If there are no equipped units available, contact the Equipment Depart, BGL, and Regional HSE Manager to develop a plan before proceeding.

Belting off to an adjacent pole, structure, or equipment while working from an aerial lift shall not be permitted.

Employees shall stand on the floor of the MEWP and shall not sit or climb on the edge of the basket or use planks, ladders, or other devices for a work position. Note: Users may use specialized attachments to step higher or modify working position if designed or approved by the manufacturer. The attachment shall be included in the training and evaluation process. If added after the training, a specialized training may be incorporated into the THA process.

Fall protection or fall restraint is required to be used in accordance with the manufacturer's recommendations and in accordance with Walsh/SBI JV Fall Protection procedure in Section 16 of the HSE Manual.

Boom and basket load limits specified by the manufacturer shall not be exceeded. The basket is not to be used to move or stow large material and tools. This practice may exceed the manufacturers rated capacity.

Aerial boom style MEWPs shall have both platform and lower controls. Upper controls shall be in or beside the platform within easy reach of the operator. Lower controls shall provide for overriding the upper controls. Controls shall be plainly marked as to their function. Lower level controls shall not be operated unless permission has been obtained from the employee in the lift, except in case of emergency.

The insulated portion of an aerial lift shall not be altered in any manner that might reduce its

insulating value.

Before transporting an aerial lift over the road, the boom(s) shall be inspected to see that it is properly cradled, and outriggers are in stowed position.

If work is to be performed near overhead lines, the lines shall be deenergized and grounded, or other protective measures shall be provided before work is started. If the lines are to be deenergized, arrangements shall be made with the person or organization that operates or controls the electric circuits involved to deenergize and ground them. If protective measures, such as guarding, isolating, or insulating, are provided, these precautions shall prevent employees from contacting such lines directly with any part of their body or indirectly through conductive materials, tools, or equipment.

Use on Barges:
Aerial lifts used on barges shall be located in accordance with the Barge Stability analysis and layout. The aerial lift will be secured to the barge deck as required in the stability analysis drawing. Users of the aerial lift shall utilize PFAS PPE when working inside the basket.

11.7 Mobile Equipment and Vehicle Operations

Physical hazards can arise from off-loading heavy equipment or safety equipment from tractor-trailers and locating equipment to designated areas of use. Avoidance of moving equipment and immobilizing hazardous objects mitigates these hazards. Personnel will be alert at all times while working around any heavy equipment. Field personnel may be exposed to physical injury hazards associated with equipment operation during soil excavation. These hazards include noise, struck-by injuries, eye hazards, hand and foot injuries, and related hazards. While the exact size and type of heavy equipment to be used on projects will be varied, the following minimum measures will be implemented for equipment operations to mitigate these hazards:

- High visibility vests (Type 2) will be worn when working around heavy equipment, roadways, or other vehicular traffic (entire project site);
- Equipment will be inspected prior to daily operation by the qualified operator to determine it is safe to operate;
- Good housekeeping and adequate workspace will be established before operation of any equipment, and will be maintained throughout the duration of the operation;
- Equipment will be inspected for condition and operation prior to use and documented;
- All heavy equipment and job-assigned vehicles shall be equipped with a functional audible back-up alarm;
- Field personnel will only approach operating equipment from the operator’s angle of view, and after making eye contact with equipment operator;
- Designated spotters will be utilized where equipment is being operated in congested and/or reduce line-of-sight scenarios or where the general public is proximate to the operation;
- Only trained and qualified persons will be assigned to operate individual equipment;
- If so equipped, seatbelts must be worn at all times;
- Every person riding on a piece of equipment must be in a seat.

- Only personnel who have a current State-authorized driver's license and pass background check will be permitted to operator a company vehicle
- Vehicles will be required to comply with the established speed limits of the local roadways and project.

11.8 Hoisting and Rigging and Crane Operations

Crane and rigging operations shall be conducted in accordance with Walsh/SBI JV's HSE Manual, Section 46 - Cranes and Hoisting Equipment and OSHA 29 CFR 1926, Subpart CC. Cranes operating on barges shall comply with 29 CFR 1926.1437.

All crane operators must be adequately trained and experienced, and successfully pass a practical competency check as administered by the CM, Superintendent or Competent Person. All cranes must be inspected by the Safety Manager or designee and documented appropriately. No cranes or rigging will be used if the Safety Manager determines that the equipment is in unsafe condition.

For those crane lifts that are considered "Critical Lifts", a Critical Lift Plan must be completed that complies with the requirements of HSE Manual, Section 46. The Safety Manager reserves the right to request that a Critical Lift Plan be prepared and submitted by the Subcontractor even when the lift is not defined as critical. A Safe Work Plan will be developed for all lifts that are classified as "critical".

All Critical Lift Plans require the review and approval of the Walsh/SBI JV Regional HSE Manager or designee. Critical lifts are defined as lifts for which any of the following conditions exist:

- The weight of the lift exceeds 75 percent of the crane's rated capacity in the configuration that will be used during the lift;
- Lifts for which the path of travel is out of the operator's view;
- Lifts made with more than one piece of lifting equipment;
- Lifts involving difficult rigging arrangements;
- Hoisting of personnel with a crane or derrick;
- Lifts involving high value items where damage would result in an unacceptable financial or production loss;
- Any lift which the lifting equipment operator believes should be considered critical; and
- Any lift for which a lift plan is requested by Walsh/SBI JV, even if the above criteria do not apply.

All rigging of loads must be performed by a person recognized as a Competent Person in rigging.

The following general guidelines apply to rigging operations:

- The total weight of the load to be lifted, including the load itself, all lifting beams, rigging, hooks and attachments, shall be determined before a safe lift can be planned;
- The determination of the exact location of the center of gravity of the load is critical in ensuring that the load is rigged in a stable configuration. The location of the attachments of the rigging to the load should be above the center of gravity where possible. Where the

location of attachments is below the center of gravity, extreme care must be taken to ensure stability of the load. Special precautions shall be taken in the selection of sling lengths and attachment configurations to ensure that the load is stable. Rigging of loads in this configuration should only be performed by personnel with extensive experience in rigging;

- Consideration shall be made in any lifting operation for the possibility of a load becoming unstable during lifts intended only to reposition a load, such as up-righting or turning a load over. The center of gravity shall be calculated for the load in all positions anticipated in order to ensure stability;
- The load shall be safely rigged within the rated capacity of all rigging equipment;
- Sling capacities shall be reduced from their full rated capacities based on sling configuration (vertical, choker or basket hitch) and sling leg angle, as well as based on sling condition; and
- Custom designed grabs, hooks, clamps, or other lifting accessories shall be marked to indicate the safe working loads and shall be proof-tested prior to use to 125% of their rated load.

Cranes Operating on Barges require special attention and planning. A Barge Stability analysis and drawing(s) will be prepared prior to any crane being placed on a barge. Barges will physically connected to the barge via chain tie-downs or a running cable (under the crane). Lift plans will consider lifting capacity deductions for working on water.

11.9 Electrical Safety

All work on electrical systems on this project will be performed only by qualified currently licensed electricians. Additionally, work will be performed in accordance with the provisions of 29 CFR 1910.333, andNational Fire Protection Association (NFPA) Code 70E. According to these two standards, work shall not be conducted on or near exposed electrically live parts except for two demonstrable reasons:

1. When de-energizing introduces additional or increased hazards (such as cutting ventilation to a hazardous location or shutting down life support systems, etc.)
2. When infeasible due to equipment design or operational limitations (such as when performing diagnostics, and testing for startup or troubleshooting and the work can only be done when the circuits are energized).

Any work to be conducted on electrical equipment that cannot be de-energized, must be approved by the Walsh/SBI JV Safety Manager and/or Superintendent. All work is to be conducted by Qualified Persons (per OSHA and NFPA).

NFPA 70E 120.1 requires that a process of six discrete and independent steps be executed prior to declaring the existence of an electrically safe work condition. Only after these following steps are completed, can work begin without possible exposure to electrical hazards:

1. Determine all possible sources of energy. Review all reliable and up to date drawings, documentation, and identification tags and labels. Drawings must include all electrical energy sources, including temporary and backup power;

2. After properly interrupting the load, open all disconnecting devices for the circuit. At this point, the equipment is simply de-energized;
3. Where possible, visually verify that all disconnecting devise, including draw-out circuit breakers, are open. Also check that all disconnecting devices meet appropriate codes and standards;
4. Apply Lockout/Tagout devices in accordance with controlling contractor policy (as approved by Walsh/SBI JV);
5. Use adequately rated voltage testers to verify the absence of voltage on each point where physical contact is expected. Voltage testing equipment must be rated by a third-party testing laboratory. The testing device should be labeled as such);
6. Where the possibility of induced voltage or stored energy exists, the phase conductors must be grounded. When it is reasonable to expect that the conductors could be re-energized due to accidental contact with another source of energy, then grounding devices rated for the available fault current must be installed.

Any work on live electrical systems will be performed only by Qualified Persons and in accordance with OSHA, and other applicable codes. An Energized Electrical Work Permit (NFPA 130.1(A), and NFPA 70E, Annex J, must be completed for any work to be conducted on live exposed energized parts (other than certain testing and measuring activities, as approved by Walsh/SBI JV).

The following information pertains to the use of ancillary electrical equipment on the project. These requirements include, but are not limited to:

- All electrical equipment will be of a type listed by Underwriters Laboratories (UL) or Factory Mutual Engineering Corp. (FM) for the specific application.
- Flexible cord passing through work areas will be covered or elevated to protect it from damage by foot traffic, vehicles, sharp comers, or pinching.
- Patched, oil-soaked, worn, or frayed electric cords or cables will not be used.
- Extension cords or cables will not be fastened with staples, hung from nails, or suspended by wire.
- Portable and semi-portable electrical tools and equipment will be grounded by a multi-conductor cord having an identified grounding conductor and a multi-contact polarized plug-in receptacle.
- Semi-portable equipment will be grounded, and the protective ground will be maintained during moving unless supply circuits are de-energized.
- Tools protected by an approved system of double insulation, or its equivalent, need not be grounded.
- UL listed ground fault circuit interrupters (GFCIs), calibrated to trip within the threshold values of 5 milliamperes (ma) + 1 ma, are required on all circuits used for portable electric tools.
- Flexible cord sets will be UL listed, contain the number of conductors required for the service, plus an equipment ground wire, and will be classified as hard usage or extra hard usage.

11.10 Control of Hazardous Energy (LOTO)

Before work may be performed on equipment and/or circuits which could cause bodily injury by contact with electrically energized parts, by incidental startup of machinery, by release of fluid pressure (air, steam, hydraulic, etc.) or by contact with acids, corrosives, flammables or other hazardous materials, electrical circuits shall be de-energized, valves shall be closed, pressures shall be bled off, and hazardous materials shall be drained from lines and/or vessels when necessary.

Energized systems are defined as those systems that contain residual or stored energy or are connected to an energy source. Site operations involving the construction, installation, set up, adjustment, modification, inspection, maintenance or servicing of machines or equipment may require the use of Lockout/Tagout (LOTO) procedures to ensure the protection of those personnel conducting the operations. These activities may include the lubrication, cleaning, or un-jamming of machines or equipment, and making adjustments where site personnel are exposed to the unexpected energizing or startup of the equipment or the release of hazardous energy. This also includes working under raised dump beds and the bucket arms of front-end loaders, skid steers or any other piece of equipment where an arm, bucket or other assembly is hydraulically raised.

Equipment of this nature on which maintenance must be performed in this configuration will have the raised or suspended item blocked and braced with appropriate timber members or other means to ensure the system does not de-energize and endanger the maintenance personnel.

Also covered by the LOTO procedures include any activities where “hot” or “live” work is conducted on energized equipment including electrical power, liquids such as water and sewer, chemicals, such as gasoline, natural gas, oil, and steam.

During the planning of scheduled field tasks, the Safety Manager will determine what potential site operations may require LOTO procedures to control energized systems. The Safety Manager will then have the responsibility to ensure that elements of the Walsh/SBI JV LOTO Program, as detailed in Walsh/SBI JV HSE, Section 21 - Lock-Out / Tag-Out.

11.11 Hand and Power Tools

All hand, power tools, and similar equipment, whether furnished by the employer or the employee, shall be maintained in a safe condition.

Hand Tools

Hand tools are non-powered. They include anything from axes to wrenches. The greatest hazards posed by hand tools result from misuse and improper maintenance.

Some examples:

- Using a screwdriver as a chisel may cause the tip of the screwdriver to break and fly, hitting the user or other employees.
- If a wooden handle on a tool such as a hammer or an axe is loose, splintered, or cracked, the head of the tool may fly off and strike the user or another worker.

- A wrench must not be used if its jaws are sprung, because it might slip.
- Impact tools such as chisels, wedges, or drift pins are unsafe if they have mushroomed heads. The heads might shatter on impact, sending sharp fragments flying.
- We are corporately responsible for the safe condition of tools and equipment used by employees, but the employees have the responsibility for properly using and maintaining tools.
- We caution employees that saw blades, knives, or other tools be directed away from their own body parts and other employees working in close proximity. Knives and scissors must be sharp. Dull tools can be more hazardous than sharp ones.
- Appropriate personal protective equipment, e.g., eye protection, gloves, etc., shall be worn due to hazards that may be encountered while using portable power tools and hand tools.
- Safety requires that work areas be kept as clean and dry as possible to prevent accidental slips with or around dangerous hand tools.
- Around flammable substances, sparks produced by iron and steel hand tools can be a dangerous ignition source. Where this hazard exists, spark-resistant tools made from brass, plastic, aluminum, or wood will provide for safety.

Power Tool Precautions

One or more methods of machine guarding will be provided to protect the operator and other employees in the area from hazards such as those created by point of operation, in-going nip points, rotating parts, flying chips and sparks. Examples of guarding methods are - barrier guards, two-hand tripping devices, electronic safety devices, etc.

Power tools can be hazardous when improperly used. There are several types of power tools, based on the power source they use: electric, pneumatic, liquid fuel, hydraulic, and powder-actuated.

Employees should be trained in the use of all tools - not just power tools. They should understand the potential hazards as well as the safety precautions to prevent those hazards from occurring.

The following general precautions should be observed by power tool users:

- Never carry a tool by the cord or hose.
- Never yank the cord or the hose to disconnect it from the receptacle.
- Keep cords and hoses away from heat, oil, and sharp edges.
- Disconnect tools when not in use, before servicing, and when changing accessories such as blades, bits and cutters.
- All observers should be kept at a safe distance away from the work area.
- Secure work with clamps or a vise, freeing both hands to operate the tool.
- Avoid accidental starting. The worker should not hold a finger on the switch button while carrying a plugged-in tool.
- Tools should be maintained with care. They should be kept sharp and clean for the best performance. Follow instructions in the user's manual for lubricating and changing accessories.
- Be sure to keep good footing and maintain good balance.

- The proper apparel should be worn. Loose clothing, ties, or jewelry can become caught in moving parts.
- All portable electric tools that are damaged shall be removed from use, tagged "Do Not Use" and removed from the site until repaired (if not discarded).

Guards

Hazardous moving parts of a power tool need to be safeguarded. For example, belts, gears, shafts, pulleys, sprockets, spindles, drums, fly wheels, chains, or other reciprocating, rotating, or moving parts of equipment must be guarded if such parts are exposed to contact by employees.

Guards, as necessary, should be provided to protect the operator and others from the following:

- Point of operation.
- In-running nip points.
- Rotating parts.
- Flying chips and sparks

Safety guards must never be removed when a tool is being used. For example, portable circular saws must be equipped with guards. An upper guard must cover the entire blade of the saw. A retractable lower guard must cover the teeth of the saw, except when it makes contact with the work material. The lower guard must automatically return to the covering position when the tool is withdrawn from the work.

Safety Switches

The following hand-held powered tools must be equipped with a momentary contact "on-off' control switch: drills, tappers, fastener drivers, horizontal, vertical and angle grinders with wheels larger than 2 inches in diameter, disc and belt sanders, reciprocating saws, saber saws, and other similar tools. These tools also may be equipped with a lock-on control provided that turnoff can be accomplished by a single motion of the same finger or fingers that turn it on.

The following hand-held powered tools may be equipped with only a positive "on-off' control switch: platen sanders, disc sanders with discs 2 inches or less in diameter; grinders with wheels 2 inches or less in diameter; routers, planers, laminate trimmers, nibbiers, shears, scroll saws and jigsaws with blade shanks % inch wide or less.

Other hand-held powered tools such as circular saws having a blade diameter greater than 2 inches, chain saws, and percussion tools without positive accessory holding means must be equipped with a constant pressure switch that will shut off the power when the pressure is released.

Electric Tools

Employees using electric tools must be aware of several dangers; the most serious is the possibility of electrocution.

Among the chief hazards of electric-powered tools are bums and slight shocks which can lead to injuries or even heart failure. Under certain conditions, even a small amount of current can result in fibrillation of the heart and eventual death. A shock also can cause the user to fall off a ladder or other elevated work surface.

To protect the user from shock, tools must either have a three-wire cord with ground or be grounded, be double insulated, or be powered by a low-voltage isolation transformer. Three-wire cords contain two current-carrying conductors and a grounding conductor. One end of the grounding conductor connects to the tool's metal housing.

The other end is grounded through a prong on the plug. Anytime an adapter is used to accommodate a two-hole receptacle, the adapter wire must be attached to a known ground. The third prong should never be removed from the plug.

Double insulation is more convenient. The user and the tools are protected in two ways: by normal insulation on the wires inside, and by a housing that cannot conduct electricity to the operator in the event of a malfunction.

These general practices should be followed when using electric tools:

- Electric tools should be operated within their design limitations.
- Use GFCI protection for all electric powered portable or semi-portable tools
- Gloves and safety footwear are recommended during use of electric tools.
- When not in use, tools should be stored in a dry place.
- Electric tools should not be used in damp or wet locations.
- Work areas should be well lighted

Powered Abrasive Wheel Tools

Powered abrasive grinding, cutting, polishing, and wire buffing wheels create special safety problems because they may throw off flying fragments.

Before an abrasive wheel is mounted, it should be inspected closely and sound- or ring-tested to be sure that it is free from cracks or defects. To test, wheels should be tapped gently with a light non-metallic instrument. If they sound cracked or dead, they could fly apart in operation and so must not be used. A sound and undamaged wheel will give a clear metallic tone or "ring."

To prevent the wheel from cracking, the user should be sure it fits freely on the spindle. The spindle nut must be tightened enough to hold the wheel in place, without distorting the flange. Follow the manufacturer's recommendations. Care must be taken to assure that the spindle wheel will not exceed the abrasive wheel specifications.

Due to the possibility of a wheel disintegrating (exploding) during start-up, the employee should never stand directly in front of the wheel as it accelerates to full operating speed.

Portable grinding tools need to be equipped with safety guards to protect workers not only from the moving wheel surface, but also from flying fragments in case of breakage.

In addition, when using a powered grinder:

a. Always use proper eye and face protection.
b. Turn off the power when not in use.
c. Never clamp a hand-held grinder in a vise.

Pneumatic Tools

Pneumatic tools are powered by compressed air and include chippers, drills, hammers, and sanders.

There are several dangers encountered in the use of pneumatic tools. The main one is the danger of getting hit by one of the tool's attachments or by some kind of fastener the worker is using with the tool.

- Eye protection is required, and face protection is recommended for employees working with pneumatic tools.
- Noise is another hazard. Working with noisy tools such as jackhammers requires proper, effective use of hearing protection.
- When using pneumatic tools, employees must check to see that they are fastened securely to the hose to prevent them from becoming disconnected. A short wire or positive locking device attaching the air hose to the tool will serve as an added safeguard.
- A safety clip or retainer must be installed to prevent attachments, such as chisels on a chipping hammer, from being unintentionally shot from the barrel.
- Safe guards must be set up to protect nearby workers from being struck by flying fragments around chippers, riveting guns, staplers, or air drills.
- Compressed air guns should never be pointed toward anyone. Users should never "dead-end" it against themselves or anyone else.

Powder-Actuated Tools

Powder-actuated tools operate like a loaded gun and should be treated with the same respect and precautions. In fact, they are so dangerous that they must be operated only by specially trained employees (Mfg. License). Powder-Actuated Tools, MUST HAVE a VALID “Manufacturer’s License” from training for Operation of Powder Actuated Tools.

Safety precautions to remember include the following:

- These tools should not be used in an explosive or flammable atmosphere.
- Before using the tool, the worker should inspect it to determine that it is clean, that all moving parts operate freely, and that the barrel is free from obstructions.
- The tool should never be pointed at anybody.
- The tool should not be loaded unless it is to be used immediately. A loaded tool should not be left unattended, especially where it would be available to unauthorized persons.
- Hands should be kept clear of the barrel end. To prevent the tool from firing accidentally, two separate motions are required for firing: one to bring the tool into position, and another

to pull the trigger. The tools must not be able to operate until they are pressed against the work surface with a force of at least 5 pounds greater than the total weight of the tool.

- If a powder-actuated tool misfires, the employee should wait at least 30 seconds and then try firing it again. If it still will not fire, the user should wait another 30 seconds so that the faulty cartridge is less likely to explode, than carefully remove the load. The bad cartridge should be put in water.
- Suitable eye and face protection are essential when using a powder-actuated tool.
- The muzzle end of the tool must have a protective shield or guard centered perpendicularly on the barrel to confine any flying fragments or particles that might otherwise create a hazard when the tool is fired. The tool must be designed so that it will not fire unless it has this kind of safety device.
- All powder-actuated tools must be designed for varying powder charges so that the user can select a powder level necessary to do the work without excessive force.
- If the tool develops a defect during use it should be tagged and taken out of service immediately until it is properly repaired.

11.12 Welding and Cutting

Prior to a welding and/or cutting operation in an area requiring a Hot Work Permit a valid Hot Work Permit is required. Any employee performing welding or spark producing task such as cutting on metallic surfaces, must possess the required FDNY Certificate of Fitness. A Fire watch must also be present for welding operations. Hot Work Permits will be issued to address those welding and/or cutting operations.

Welding

A suitable, approved fire extinguisher shall be ready for instant use within 30 feet in any location where welding is performed. Screens, shields, or other safeguards shall be provided for the protection of Facility personnel or materials below or otherwise exposed to sparks, slag, falling objects, or the direct rays of the arc.

The welder shall wear approved eye and head protection. Welder assistants shall wear protective glasses. Electric welding equipment shall meet the requirements of the National Electric Code (NEC). Welding practices shall comply with applicable regulations and Owner/Operator's Welding Specifications and the Contract Documents.

When welding or burning is conducted outside of a designated welding area, the operation must be reviewed for exposure to combustibles and a potential explosive atmosphere. A fire watch may be required to meet the requirements of the Facility Permit.

Mechanical ventilation and/or respiratory protection shall be provided for welding, cutting, and heating of metals with toxic substances or when in confined spaces.

Cutting and Burning

When compressed gas cylinders are stored, moved, or transported, the valve-protecting cap shall be in place and cylinders secured from tipping.

When compressed gas cylinders are hoisted, they shall be secured in an approved cage or basket.

All compressed gas cylinders shall be stored, transported, and used in an upright position. If the cylinder is not equipped with a valve wheel, a key shall be located on the valve stem while in use.

All hoses must be fitted with a flashback arrester at the gauges.

An approved portable fire extinguisher shall be readily available (within 30 feet) in the event of fire.

Appropriate PPE, such as burning goggles, shields, gloves, leathers, must be used.

Compressed Gas Cylinder Storage

Labeling and Identification

All compressed gas cylinders are required to be labeled; as to the contents and any associated hazards. Deteriorated or corroded labels must be replaced.

All cylinders without adequate labeling to identify contents shall be labeled as "Contents Unknown" and returned to supplier. Color-coding is not a reliable method of determining contents.

Handling

Large compressed gas cylinders shall be transported on wheeled carts equipped with straps or chains to secure the cylinder to the cart. Rolling or dragging cylinders is not recommended due to the possibility of damage to the cylinder and injury to personnel.

Compressed gas cylinders will not be lifted by the valve protection cap.

Hoist compressed gas cylinders on the cradle, sling board pallet or compressed gas cylinder basket.

Cylinders will not be transported without first removing the regulators and replacing the valve protection caps.

Cylinders will not be transported by means of magnets or choker slings.

Use of Compressed Gas Cylinders

Cylinder valve protection caps shall remain in place at all times other than when cylinders are connected for use and secured, or when in storage. The OSHA definition of “in storage” is “when it is reasonable anticipated that gas will not be drawn from the cylinder within 24 hours (overnight hours included).”

Automatic pressure regulators or reducing valves shall be used on all gas cylinders to maintain a uniform gas supply at the correct pressure. Use only the appropriate, designated regulator for the specific gas to be used.

Regulators for oxygen or fuel gas cylinders shall be equipped with a high pressure (cylinder pressure) and a low-pressure (delivery pressure) gauge, a flow control valve, and a delivery adjustment screw.

Oil will not be used around oxygen gauges, valves, or connectors. Supplier's recommendations for cleaning of the cylinder outlet fittings and openings will be observed at all times.

Compressed gas cylinders shall be used only for their intended purposes.

Oxygen cylinders will not be handled with oily or greasy gloves.

Dented, cracked or other visibly damaged cylinders will not be used.

Only an open ended or adjustable wrench when connecting or disconnecting regulators and fittings will be used.

Cylinder valves will be closed when work is finished, when the cylinder is empty or at any time, the cylinder is moved.

Leaking cylinders will be moved to an outside area, away from where work is performed, and tag it to indicate the defect.

Compressed gas will not be used for cleaning of employees, equipment, or work area.

Storing Compressed Gas Cylinders

All compressed gas cylinders must be secured upright and in place to prevent falling by using approved chains, straps, stands or carts.

Cylinders not in use will be stored outside of the work area in a protected, storage area. If stored indoors, cylinders should be stored in well-ventilated areas away from sources of heat and ignition. The area should be secured from unauthorized access.

Cylinders shall not be stored in corridors.

Cylinders containing toxic or flammable gases must be stored in an approved storage area. The use of the smallest possible cylinder of toxic or flammable gases is recommended.

Cylinders containing oxidizing gases, such as oxygen and nitrous oxide, shall be stored separately from flammable gases or liquids.

Empty cylinders shall be so identified and stored separately from full or partially full cylinders.

Compressed gas cylinders will not be stored against electrical panels or live electrical cords where the cylinder can become part of the circuit.

Oxygen cylinders will not be located near fuel gas cylinders such as propane or acetylene, or near combustible material such as oil or grease.

Walsh/SBI JV will store oxygen cylinders separate from fuel gas cylinders. This separation shall be either a minimum distance of 20 feet or created by a fire resistive wall / partition with a one-hour fire rating and a minimum of five feet (5') in height. All cylinders shall be stored in a vertical position.

Empty cylinders will not be stored with full cylinders and the valves of the empty cylinders shall be in the closed position.

All cylinders shall be stored where they are protected from the direct rays of the sun. When not in use, cylinders shall have their protective caps in place and is hand tightened.

11.13 Designated Walkways

During the course of construction, all passageways and stairs in and around the work areas shall be kept clear of all debris. All construction materials shall be stored in an orderly manner. Trash shall be removed to avoid accumulation that would pose a fire hazard. To reduce exposure to the general public walking through or around work areas Walsh/SBI JV will maintain clearly-delineated walkways throughout each Work Site that are no less than forty-eight (48) inches wide and illuminated at no less than ten (10) foot candles. These designated walkways free of equipment, tools, hoses, cords, construction materials, debris and any other objects which may impede safe access and egress or cause a slip trip and fall hazard.

Barge Deck Walking Surfaces

- To prevention unintended slipping and tripping hazards the following precautions will be considered:
- Clean up and/or report any spill immediately.
- Stack materials in a stable manner.
- Secure gear and equipment that is not in use.
- Keep stairs, doorways, walkways, and gangways free of equipment and stowed materials.
- Secure ramps during loading and offloading operations.
- Repair leaks from hoses, pipelines, and valves immediately.
- Use non-skid protective deck compound and do not paint over the non-skid compound with standard paint.
- Have de-icing procedures in place when necessary.
- Paint the perimeter and tripping hazards in a contrasting color.

11.14 Ladders and Stairways

Ladders must be inspected before use and free of damage. A Competent Person shall inspect a ladder prior to placing the ladder in service. The project team will use podium ladders in lieu standard stepladders.

Ladder Safety Practices

Set-up and use:

- As a general safety rule, approved fiberglass ladders and or wood ladders are to be used.
- When ladders are used to access an upper landing, the side rails must extend at least three (3) feet above the upper landing so an employee can walk through the ladder by gripping the side rails while stepping onto the landing;
- When an extension is not possible, the ladder must be secured at the top to a rigid support that will not deflect and a grasping device, such as a grab rail, will be provided to assist employees in accessing the ladder;
- The grasping device must be close enough for an employee to reach without stooping or stretching;
- Under no circumstance may the extension cause the ladder to deflect under a load or slip off its support;
- Non-self-supporting ladders must be angled so that the horizontal distance from the top support to the toe of the ladder is approximately one-quarter the working length of the ladder;
- Ladders must be maintained free of oil, grease, and other slipping hazards;
- Ladders must not be loaded beyond the maximum intended load nor beyond the manufacturer’s rated capacity;
- Ladders must be used only for the purpose for which they were designed;
- Ladders must be used only on stable and level surfaces unless secured to prevent accidental displacement;
- They must not be used on slippery surfaces unless secured or provided with slip-resistant feet to prevent accidental displacement;
- Slip-resistant feet must not be used as a substitute for care in placing, lashing or holding a ladder that is used upon slippery surfaces including, but not limited to, flat metal or concrete surfaces that may become slippery;
- Ladders placed in passageways, doorways or driveways, must be barricaded to keep the activities or traffic away from the ladder;
- The area around the top and bottom of ladders must be kept clear of debris and obstructions that would present a tripping hazard or otherwise obstruct employees ascending or descending the ladder;

- The top of a non-self-supporting ladder must be placed with the two rails supported equally unless it is equipped with a single support attachment;
- Ladders must not be moved, shifted, or extended while occupied;
- The top or top step of a stepladder must not be used as a work platform;
- Cross-bracing on the rear section of stepladders must not be used for climbing unless the ladders are designed for and provided with steps for climbing on both front and rear sections;
- Single-rail ladders must not be used; and
- Ladders shall be tied, blocked or otherwise secured to prevent displacement.
- Ladders used to access barge decks shall be secured at the top.
- Use of ladders designed specifically for use on barges, such as Cotterman ladders, will be employed where a fixed access point has been established to access a floating work deck or a boat or skiff.

Stairways

Design, Construction and Maintenance:

a. Stairways that are used by employees during construction work must be designed, constructed and maintained according to the following OSHA requirements:
b. Stairways that will not be a permanent part of the structure on which construction work is being performed must have landings at every 12 feet or less of vertical rise;
c. Each landing must measure at least 30 inches long by 22 inches wide;
d. Stairs must be installed at an angle between 30 degrees and 50 degrees from horizontal;
e. Riser height and tread depth must be uniform within each flight of stairs, including any foundation structure used as one or more treads of the stair. In any stairway system, variations in riser height or tread depth must not be more than % inch;
f. All parts of stairways must be free of hazardous objects, such as protruding nails; and
g. Slippery conditions on stairways must be eliminated.

Stair Rails and Handrails:

Stairways having four or more rises or rising more than 30 inches, whichever is less, be equipped with at least one handrail and one stair rail along each unprotected side or edge;

A standard guardrail shall consist of top rail, mid-rail or equivalent protection and post, and shall have a vertical height within the range of 39 inches to 45 inches from the support surface of the

top rail to the floor, platform, runway, or ramp. (The permissible tolerance on height dimensions is one inch);

Design and construction specification will be as follows:

Stair rails must be at least 36 inches high; handrails shall be between 30 and 37 inches;

When the top edge of a stair rail also serves as a handrail, its height cannot be more than 37 inches nor less than 37 inches;

For all such height provisions, you must measure from the support surface of the stair rail to the surface of the tread in line with the face of the riser at the forward edge of the tread;

Guardrails must include mid-rails, intermediate vertical members, or equivalent intermediate structural members between the top rail and the stair steps; and

Mid-rails must be located halfway between the top edge of the stair rail and the stair steps. When used, screens or mesh must be extended from the top rail to the stair step and along the entire opening between top rail supports. Intermediate vertical members and other equivalent structural members must be not more than 19 inches apart.

Handrails and the top stair rail must withstand a force of at least 200 pounds applied within two (2) inches of the top edge, in any downward or outward direction;

Handrails that will not be a permanent part of a structure must have a minimum clearance of three (3) inches between the handrail and walls, stair rail and other objects;

Additional measures for safeguarding employees include:

Surfacing handrails and stair rails to prevent injury from punctures or lacerations and from snagging clothes;

Hand holds for grasping to avoid falling;

Guardrail protection of stair sides and landing.

In wooden construction, the posts must be at least 2 x 4-inch nominal material spaced not to exceed six (6) feet, top rails must be smooth with rounded comers and not less than 2 x 4-inch nominal material;

Single mid-rails may not be less than 2 x 4-inch nominal material and must be installed on the contact side of the guardrail;

Where toe boards are required, they shall be constructed of wood, concrete, metal or other suitable material;

The top of the toe board shall not be less than 314 inches above the platform, walkway, or other working level and the bottom clearance shall not exceed % inch; and

All guardrails, connections and anchorage, shall be designed for a live load of 200 pounds per linear foot applied either horizontally or vertically downward at the top rail.

Gangways:

Gangways will be equipped with standard guardrails and shall be either manufactured or job-made by a qualified individual. Guardrails must be secured both landside and on the barge to avoid unintentional dislodgement. A transition step shall be available to provide for safe transition between gangway and the barge / land. Personnel shall be aware of the height difference during tide changes. Gangways shall be provided for safe access between adjoining barges or Flexi-float work platforms when there is a separation of 12+ inches.

11.15 Concrete and Masonry Construction

Employers must not place construction loads on a concrete structure or portion of a concrete structure unless the employer determines, based on information received from a person who is qualified in structural design, that the structure or portion of the structure can support the intended loads.

Employees (except those essential to the post-tensioning operations) must not be permitted to be behind the jack during tensioning operations. Signs and barriers must be erected to limit employee access to the post-tensioning area during tensioning operations.

Employees must not be permitted to ride concrete buckets. Employees must not be permitted to work under concrete buckets while the buckets are being elevated or lowered into position. To the extent practicable, elevated concrete buckets must be routed so that no employee or the fewest employees possible are exposed to the hazards associated with falling concrete buckets.

For concrete pumping operations all pumping systems, piping, and hoses must have positive fail-safe joint connectors and discharge pipes shall be provided with pipe supports designed for 100% overloads. Slick-line operations shall be controlled with the operator positioned at the point of discharge. Employees must not be permitted to apply a cement, sand, and water mixture through a pneumatic hose unless they are wearing protective head and face equipment.

Formwork must be designed, fabricated, erected, supported, braced, and maintained so that it will can support without failure all vertical and lateral loads that might be applied to the formwork. Forms and shores (except those used for slabs on grade and slip forms) must not be removed until the employer determines that the concrete has gained sufficient strength to support its weight and superimposed loads.

Drawings and plans, including all revisions for the jack layout, formwork (including shoring equipment), working decks and scaffolds, must be available at the jobsite. All shoring equipment (including equipment used in re-shoring operations) must be inspected prior to erection to determine that the equipment meets the requirements specified in the formwork drawings. Damaged shoring equipment must not be used. Erected shoring equipment must be inspected

immediately prior to, during, and immediately after concrete placement. Shoring equipment that is found to be damaged or weakened after erection must be immediately reinforced. Re-shoring must be erected, as the original forms and shores are removed, whenever the concrete is required to support loads in excess of its capacity. Re-shoring must not be removed until the concrete being supported has attained adequate strength to support its weight and all loads in place upon it.

Any impalement hazard to include protruding reinforcing steel, onto and into which employees could fall, must be guarded to eliminate the hazard of impalement. Reinforcing steel for walls, piers, columns, and similar vertical structures must be adequately supported to prevent overturning and collapse. Employers must take measures to prevent unrolled wire mesh from recoiling. Such measures may include, but are not limited to, securing each end of the roll or turning over the roll.

Precast concrete wall units, structural framing, and tilt-up wall panels must be adequately supported to prevent overturning and to prevent collapse until permanent connections are completed. Lifting inserts that are embedded or otherwise attached to tilt-up wall panels must be capable of supporting at least two times the maximum intended load applied or transmitted to them; lifting inserts for-other pre-cast members must be capable of supporting four times the load.

Only essential employees are permitted under pre-cast concrete that is being lifted or tilted into position.

11.16 Traffic Control

Traffic, both vehicular and pedestrian, will be controlled at the site through conventional accepted methods which may include signage, Flag Persons, or Police Officer's as required. A Maintenance and Protection of Traffic (MPT) Plan will be developed when work involves diverting traffic around established work zones. The USDOT Manual of Uniform Traffic Control Devices (MUTCD), in preparing the MPT Plan.

11.17 Occupational Health Hazards and Controls

11.17.1 Hazard Communication

Walsh/SBI JV and subcontractors will implement a Hazard Communication Program on field projects in accordance with Walsh/SBI JV HSE Manual, Section 36 - Hazard Communication. The Safety Manager is responsible for maintaining a list of hazardous materials used on the site, as well as SDSs for each hazardous material. These materials will be maintained in the office or vehicle used by the Safety Manager, and for large sites, at other designated areas convenient to field personnel. Employees will be trained in the program and their access to the information as part of the site-specific training. All subcontractors are required to maintain a Hazard Communication Program and provide copies of SDSs for any applicable materials that they may be bringing onto the site to the Safety Manager. Copies of SDSs will be provided to the client representative upon request.

Refer to Appendix D for the project Hazard Communication Plan.

11.17.2 Respiratory Protection

Walsh/SBI JV will implement a site-specific Respiratory Protection Plan. All affected employees shall be trained on its contents, the hazards, limitations of the equipment, and the selected respirator's proper use and maintenance. The program will be administered by the Regional HSEM and Safety Manager.

11.17.3 Noise and Hearing Conservation

A Hearing Conservation Program shall be in place whenever employees are exposed to 85 DBA (slow) averaged over an 8-hour workday in accordance with Walsh/SBI JV HSE Manual, Section 15 - Hearing Conservation. Employees will be trained on the contents and purpose of the Hearing Conservation Program when the program is established. Training will also include the proper use and care of various types of hearing protection. Noise surveys, noise dosimetry, and regulated areas where hearing protection is required will be used to control and evaluate the potential and existing noise exposures at the work place. Employees will be informed of the results of any monitoring performed.

11.17.4 Dust Control - General

All potential dust generating activities such as excavation, site grading, pipe jacking backfill, etc. will be performed in such a manner as to keep fugitive dust emissions to a minimum. Excavated materials will be loaded immediately into trucks when possible. Where temporary stockpiles are utilized they will be covered at all times when they are not in active use. All trucks will be covered to prevent dust emissions during transport.

At the discretion of the Safety Manager, additional dust control measures will be implemented if existing methods are insufficient to adequately control dust. These measures consist of using wet methods to minimize dust as well as spraying soil stockpiles or excavated areas when there is the potential for visible dust.

Where demolition, cutting, or grinding of concrete is planned engineering controls, proper selection of tools, use of wet methods, and respiratory protection of workers must be considered to comply with the Construction Silica Standard (29 CFR 1926.1153.

11.17.5 Crystalline Silica Control - General

Occupational Exposure Limits
The occupational exposure limit (OEL) for crystalline silica, for the purposes of this program refers to the latest ACGIH TLV or OSHA standard, whichever is more protective. (TLV = 0.025mg/m3 as of 06/19/2009).

Common Activities On Construction Sites with Potential Exposures:
Certain activities on construction site have been found to cause exposure to crystalline silica at several times the Occupational Exposure Limits. Table 11-1 indicates those which are likely to occur on this project.

Table 11-2 Activities with Potential Exposure to Crystalline Silica

Activity	Likely to Occur on This Project?		
	Yes	***No***	**To be determined (check JHA)**
Abrasive blasting with sand		***X***	
Abrasive blasting on materials containing silica, e.g. concrete, masonry, rock		***X***	
Grinding, cutting, sawing or chipping on concrete, masonry or rock (without water for dust suppression)	**X**		
Polishing materials containing silica (without water for dust suppression)		***X***	
Crushing, loading, and dumping of rock		***X***	
Dry sweeping or using air pressure to clean concrete		***X***	
Demolition of concrete and masonry	**X**		
Other *[add other activities on this project that may cause exposure]*		***X***	

Engineering Controls:

If exposures are anticipated to be in excess of the OEL, engineering controls such as wet methods and local exhaust ventilation will be used. Use of wet methods will be the preferred control for minimizing silica exposure to workers.

Dust suppression - Moisture, mists, fogs, etc., shall be added to the task and/or tool(s) where such addition can substantially reduce the exposure to airborne respirable silica dust.

Ventilation - Where a local exhaust ventilation and collection system is used in a building, it shall be designed and maintained to prevent the accumulation or recirculation of airborne silica dust into the workplace. The system shall be inspected periodically. Adequate measures shall be taken to ensure that any discharge will not produce health hazards to the outside environment.

Additional control measures - Use of power tools (i.e., grinders, masonry saws) in conjunction with wet methods (i.e., internal water source or manually applied). Utilization of power cutting or chipping tools with vacuum shrouds in combination with a HEPA vacuum is another option to control silica dust at the point of generation. When mobile equipment is operated in areas of potential silica exposure, engineering controls shall be provided to protect the operator from such exposure.

Administrative Controls:

For tasks where exposures are anticipated to be in excess of the OEL then administrative controls such as crew rotation shall be considered and implemented to the extent possible to reduce exposure.

Respiratory Protection:

Where engineering or administrative controls are found to be not feasible, or insufficient to control the exposures to below the OEL, employees will wear NIOSH-approved respiratory protection

with HEPA filter cartridges. Whenever respirator use is deemed mandatory a Site Respiratory Protection Plan will be prepared. When employees are exposed above the PEL and are required to wear respiratory protection, they will be provided with a medical exam that will focus on exposure to Respirable silica dust and ability to safely wear respiratory protection.

Exposure Monitoring:
Personal exposure monitoring will be performed for those activities identified above the OEL where engineering controls do not effectively control the silica exposures. Samples will be collected in accordance with NIOSH Method 7500. Monitoring results will be reported to all individuals who are likely to have similar exposures to silica.

Hygiene:
Where employees are exposed to silica above the OEL, the employer will provide disposable coveralls or vacuum cleaners to clean off work clothes. Workers will discard disposable coveralls, or clean clothes with the vacuum before entering any office, break room or job-site trailer. Hand/face washing facilities will be provided in accordance with the Sanitation Plan.

All food, beverages, tobacco products, nonfood chewing products, and unapplied cosmetics shall be discouraged in work areas.

Housekeeping:
Work areas will be kept clean of accumulation of silica containing dust. Dry sweeping or the use of compressed air is not to be used for cleaning. If using a vacuum then a HEPA filter shall be utilized to reduce airborne silica being generated. Wet methods (i.e., mopping) is the preferable option for cleaning areas with an accumulation of silica dust.

11.17.6 Temperature Extremes

Heat Stress

Environmental conditions can create serious safety and health threats to site workers. Heat stress is one of the most common (and potentially serious) illnesses that can affect site personnel during spring, summer and fall weather conditions. Factors that may predispose a worker or increase susceptibility to heat stress include:

- Environmental factors such as air temperature;
- Humidity, and radiant heat;
- Use of PPE that interferes with the evaporation of perspiration;
- Lack of physical fitness and lack of acclimatization to hot environments;
- Degree of hydration before and during work in hot environments;
- Body mass;
- Current health status (i.e., having an infection, chronic disease, diarrhea, etc.); alcohol or drug use; and
- The worker's age and sex.

Hot weather can cause physical discomfort, loss of efficiency, and personal injury. The human body strives to maintain a constant core temperature of 98.6°. If this temperature is to be maintained, heat loss must equal heat production. This balance is maintained by variations in the blood flow to the outer part of the body. When the core temperature rises, blood vessels beneath the skin dilate, and the blood brings increased heat to the skin, where it is dissipated by radiation and convection. This works only as long as the skin temperature is lower than the temperature of the outside environment. Heat loss by radiation convection is impossible when the temperature of the outside air approaches or exceeds the temperature of the skin. The body will now rely on dissipation through evaporation of sweat. But the sweat mechanism also has limits. The normal adult can sweat only about one liter per hour and can sweat at that rate for only a few hours at a time. In addition, sweating only works if the relative air humidity is low. Sweat evaporation ceases entirely when the relative humidity reaches 75 percent.

Of particular concern in heat stress monitoring is the use of personal protective clothing which decreases natural body ventilation and greatly increases the temperature and humidity to the skin. If precautions are not taken, heat stress will progress into a heat-related injury. Heat-related injuries fall into three major categories: heat cramps, heat exhaustion, and heat stroke.

Cold Stress

The adverse effects of cold weather are of concern during the winter season when temperatures can fall below 40°F (4°C) and wet conditions persist. Both hypothermia and frostbite should be recognized as a potential hazard and must be guarded against during this time.

Frostbite Signs and Symptoms
Control measures to prevent adverse physiological effects from cold weather should be implemented prior to the exhibition of any signs or symptoms. Frostbite occurs when the extremities do not get sufficient heat from the central body stores. The fluids around the cells of the body tissues freeze from exposure to low temperatures. This condition can result in damage to, and loss of, tissue. The most vulnerable areas are the nose, cheeks, ears, fingers, and toes.
Damage from frostbite can occur in either the outer layers of skin, or in the tissue beneath these layers. Frostbite can result in scarring, tissue death, permanent loss of movement, or amputation.

There are three degrees of frostbite:

- First Degree - Freezing without blistering or peeling.
- Second Degree - Freezing with blistering or peeling.
- Third Degree - Freezing with skin tissue death and possible deeper tissue damage.

Cold Stress Control Measures
Personnel (including subcontractor employees) potentially exposed to cold stress conditions will have the following training during the orientation training session and again prior to the winter season.

Employees:

- Sources of cold stress,

- Influence of protective clothing,
- How the body handles cold,
- Cold-related tissue damage,
- Preventive / corrective measures, and
- First-aid procedures.

Supervisors:

- Physiological monitoring and establishment of work / rest regimes;
- Rotate personnel to various job duties, if possible; and
- Shelter during rest periods (i.e., wind breakers, heated units).

When the ambient air temperature falls below 36°F (2°C), the following clothing requirements will be adhered to:

- If wind chill is a factor, shielding the work area or providing employees an outer windbreak layer garment will reduce the cooling effect of the wind.
- Extremities (fingers, ears, toes, and nose) will be protected from extreme cold by protective clothing.
- Employees performing light work and whose clothing may become wet will wear an outer layer of clothing that is impermeable to water.
- Employees performing moderate to heavy work and whose clothing may become wet will wear an outer layer of clothing that is water repellent.
- Outer garments must provide for ventilation to prevent wetting of inner clothing by sweat.
- If clothing is wet, the employee will change into dry clothes before entering a cold environment.
- Workers will change socks and removable felt insoles at regular daily intervals or use vapor barrier boots.
- Workers who become immersed in water or whose clothing becomes wet will immediately be provided a change of clothing and be treated for hypothermia if necessary. If the clothing becomes wet from sweating, the employee may finish the task that caused the sweating before changing into dry clothes.
- Metal handles of tools and control bars will be covered by thermal insulating materials when temperatures fall below 30°F.

Hypothermia Signs and Symptoms

Hypothermia occurs when body heat is lost faster than it can be replaced and the normal body temperature (98.6°F) drops to less than 95°F. Hypothermia is most likely at very cold temperatures, but it can occur even at cool temperatures (above 40°F), if a person becomes chilled from rain, sweat, or submersion in cold water.

Mild symptoms:

- An exposed worker is alert.
- He or she may begin to shiver and stomp the feet in order to generate heat.

Moderate to Severe symptoms:

- As the body temperature continues to fall, symptoms will worsen and shivering will stop.
- The worker may lose coordination and fumble with items in the hand, become confused and disoriented
- He or she may be unable to walk or stand, pupils become dilated, pulse and breathing become slowed, and loss of consciousness can occur. A person could die if help is not received immediately.

First Aid for Hypothermia:

- Call 911 immediately in an emergency; otherwise seek medical assistance as soon as possible.
- Move the person to a warm room or vehicle.
- Remove wet clothes and replace with dry clothes, cover the body (including the head and neck) with layers of blankets; and with a vapor barrier (e.g. tarp, garbage bag). Do not cover the face. A hypothermia response duffle bag shall be prepared and maintained on the barge at all times.
- If medical help is more than 30 minutes away:
    - *S* Give warm sweetened drinks if alert (no alcohol), to help increase the body temperature. Never try to give a drink to an unconscious person.
    - *J* Place warm bottles or hot packs in armpits, sides of chest, and groin. Call 911 for additional rewarming instructions.
- If a person is not breathing or has no pulse:
    - *J* Call 911 for emergency medical assistance immediately.
    - *J* Perform cardiopulmonary resuscitation (CPR) until the person responds or medical aid becomes available.

11.17.7 Sanitation and Hygiene

Housekeeping

The site and office areas will be kept as clean as possible, taking into consideration the nature of the work. Regular cleaning shall be conducted to ensure safe and sanitary conditions in the workplace.

The project site will be laid out for maximum efficiency and safety. Work areas will be kept neat and orderly. Tools and materials will be properly stored when not in use, to prevent hazards from tripping, fire, spills and damage. Waste materials will be properly disposed of, and routinely removed from the site.

Vegetation will not be allowed to grow around storage and dispensing containers containing flammable liquids and gases.

Floors and other walking/working surfaces shall be kept as dry as possible. Drainage shall be maintained where wet processes are used. Mats, platforms or other dry standing places shall be provided when possible as well as appropriate footwear.

To facilitate cleaning, every floor, working place and passageway shall be kept free from protruding nails, splinters, loose boards, clutter and unnecessary holes or openings. Materials will not be permitted to block egress paths, or access to electrical equipment, and emergency supplies.

Drinking Water

An adequate supply of potable water (cool drinking water when weather is hot) shall be provided for both drinking and personal cleansing. There must be at least one quart of water per person per work hour available on site, throughout the day.

Potable water will be provided from retail sources (i.e., bottled water). Waste receptacles for used bottles/cups will be stationed next to water dispenser areas.

Drinking water shall be dispensed by means that prevent contamination between the consumer and the source. An acceptable method to dispense potable water is:

1. A dispenser (Igloo® five-gallon water dispenser for example) designed, constructed and serviced to ensure sanitary conditions that is capable of being closed, has a tap and is clearly marked "Drinking Water". Personal water bottles may not be re-filled at an Igloo®.
2. Employees will drink from one-time use only disposable paper cups that are kept in sanitary containers. Common drinking cups (cups used by more than one person) are forbidden.

To ensure sanitary conditions, dispensers shall be sanitized daily with a 2% bleach and water solution, and thoroughly rinsed.

Eating and drinking will be limited to the Support Zone. The entry to the Exclusion Zone will be posted with a sign stating: "No eating, drinking or tobacco use permitted in Exclusion Zone."

Non-Potable Water

Outlets dispensing non-potable water shall be conspicuously posted:

"CAUTION - WATER UNSAFE FOR DRINKING, WASHING OR COOKING".

There shall not be any cross connection, open or potential, between a system furnishing potable water and a system furnishing non-potable water. It is anticipated that non-potable water will be used for dust control and for site restoration activities (seeding).

Toilets

Chemical toilets will be mobilized to the site. Each toilet will be occupied by one person and have an interior locking mechanism; therefore, they will not be labeled for use by an individual sex. It

is not anticipated that more than 100 people will be onsite at any one time. The project site will have toilet facilities in accordance with the table below:

Table 11-3 Minimum Toilet Facilities (Construction Sites)

Number of Employees	Minimum Number of Toilets[(a)]
1 to 15	One
16 to 35	Two
36 to 55	Three
56 to 80	Four
81 to 110	Five

Notes:
(a) Where toilet facilities will not be used by women, urinals may be provided instead of commodes, except that the number of commodes in such cases shall not be reduced to fewer than 2/3 of the minimum number specified.

All shall be provided with adequate light and ventilation. Toilet paper, sink with water, dispensable soap and one-time use paper towels shall be provided. Facilities shall be constructed so that occupants are protected against the weather and falling objects; all cracks shall be sealed and the door self-closing, tight fitting and capable of being latched. Servicing of the facilities including emptying and cleaning will at least be on a routine weekly schedule or as needed between scheduled servicing.

Washing Facilities

Washing facilities shall be provided at toilet facilities and as needed to maintain healthful and sanitary conditions.

Waste Disposal (Municipal Waste)

An adequate number of waste receptacles shall be provided in break areas. These receptacles shall be constructed to prevent leakage, allow for cleaning, have tight fitting lids and be emptied daily.

All municipal waste (e.g., sweepings, refuse, and garbage, etc.) shall be removed in a manner which avoids creating a menace to health. A municipal roll-off will be onsite to dispose of municipal waste.

Vermin Control

Enclosed workplaces shall be constructed, equipped, and maintained to prevent the entrance or harborage of rodents, insects, or other vermin. In the event of a hazardous presence or infestation occurring on site, a licensed pest control services will be employed.

11.18 Fire Prevention & Control

Storage, Use and Handling of Hazardous Materials

Dispensing of flammable and combustible materials shall comply with the following:

- Refueling areas shall be located at least 25 feet from other operations;
- Spill containment, collection and cleanup materials shall be provided in refueling areas;
- Transfer containers shall be electrically bonded together;
- All spark-producing equipment in the immediate vicinity of flammable liquid dispensing operations shall be shut down. Adequate cool-down time for generators, pumps, and other portable equipment shall be provided prior to refueling;
- Pressure buildup in portable fuel cans shall be relieved away from hot surfaces and spark-producing equipment;
- Dispensing nozzles shall have an automatic shutoff and no "latch open" devices;
- Funnels used for the purpose of decanting flammable and combustible liquids must be of metallic (not plastic) composition;
- Disconnect switches for refueling equipment shall be located away from refueling operations;
- Smoking and spark-producing equipment or tools are prohibited in the fueling area; and
- A fire extinguisher rated no less than 20 lb. (6 kg), type ABC, shall be securely placed between 25 and 75 feet from each refueling operation.

Flammable and combustible material storage requirements include the following:

- Only properly labeled and approved safety containers shall be used for handling and storage. All storage cabinets / containers will labeled with a NYFD Permit.
- For indoor storage of flammable liquids, no more than 25 gallons of flammable liquids may be stored outside of a flammable cabinet, provided the material is stored in 5-gallon safety cans, and with a minimum 10 lb. (4.5 kg) type ABC fire extinguisher within 25 feet;
- A fire extinguisher rated no less than 20 lb. (6 kg), type ABC, shall be securely placed between 25 and 75 feet from outside storage of flammable materials (e.g., 5-gallon safety cans of gasoline);
- Exits and other means of egress shall not be used for storage;
- All non-bulk materials shall be stored in a flammable cabinet. Stored quantities shall not exceed 60 gallons per cabinet. No more than three cabinets shall be placed in a single area;
- Outdoor portable tanks shall be separated by a 5-foot clear area;
- A 12-foot-wide access shall be maintained for fire equipment to reach outdoor storage areas;
- Outdoor storage areas shall be maintained free of weeds, rubbish, and other fuel sources;
- Outdoor storage tanks shall have adequate venting capacity;
- "No Smoking" signs shall be posted in the storage area;
- Containers of flammable and combustible liquids shall be stored properly when not in use;
- The grounds around the storage area shall be kept free of weeds, trash, and other unnecessary combustible materials;

- Spills shall be cleaned up promptly.

The following applies to compressed gasses:
Handling of Cylinders:

- Cylinders shall not be dragged or slid. Where practical the user should use a suitable hand truck, fork truck, roll platform or similar device with container secured for transporting;
- Cylinders shall have valve caps installed when cylinders are not in use, stored or transported;
- Cylinders shall not be dropped or permitted to strike against each other or other surfaces violently;
- Cylinder caps shall not be used for lifting; and
- The use of suitable cradles or platforms to hold the cylinders during lifting shall be used when appropriate.

Storage of Cylinders:

- Cylinder storage areas shall be prominently posted with the name of the gases to be stored;
- Where gases of different types are stored at the same location, cylinders shall be grouped by types of gas, and the groups arranged to take into account the gases contained. Full and empty containers shall be stored separately with the storage layout so planned that cylinders comprising old stock can be removed first with a minimum handling of other cylinders;
- Cylinders shall not be stored near readily ignitable substances such as gasoline or waste, or near combustibles in bulk, including oil;
- Cylinders shall be stored standing upright where they are not likely to be knocked over, or cylinders shall be secured in an upright or in a horizontal position;
- Cylinders may be stored in the open but shall be protected from the ground beneath to prevent bottom corrosion. Cylinders may be stored in the sun except in localities where extreme temperatures prevail. If the supplier recommends storage in the shade for a particular gas, such recommendation shall be observed;
- When cylinders are stored inside they shall not be located near exits, stairways or in areas normally used or intended for the safe exit of people;
- Flammable gas cylinders stored inside of buildings with other occupancies shall be kept at least 20 feet from flammable liquids and from highly combustible materials and similar substances, and not near arcing electrical equipment, open flames or other sources of ignition;
- Oxygen cylinders shall be stored at a minimum of 20 feet from any fuel gas (such as acetylene or Mapp) or combustible gas cylinder;
- Adequate portable fire extinguishers of carbon dioxide or dry chemical types shall be available for fire emergencies at storage locations; and
- “No Smoking” signs shall be posted around the storage area of buildings, or at entrance to special storage rooms.

Fire Extinguishers
Fire extinguishers will be deployed is specific strategic locations of the project site. Personnel will be trained in their use and the extinguishers will be inspected on a monthly and yearly basis.

Temporary Construction Structures
All temporary structures shall be constructed of certified and identified fire-rated material.

12.0 EMERGENCY PROCEDURES AND MEDICAL SUPPORT

12.1 Emergency Response Procedures

Emergency response procedures for both site activities and security situations will be discussed during initial site training and regularly during the project. As needed, the Safety Manager and the Project Manager will review the plan and make any changes necessary to keep the plan current with new or changing site conditions and information. An emergency phone number contact list for Walsh/SBI JV, subcontractor, client, and emergency responders will be complied and posted at the site, and carried in all Walsh/SBI JV site vehicles.

The project-specific Emergency Action Plan is included in Appendix F.

The Emergency Action Plan will address the following potential scenarios:

- Personal Injury (beyond first aid)
- Property Damage
- Utility Damage
- Water-based emergencies
- Fire
- Vehicle / Equipment Damage
- Incidents involving Public (i.e., pedestrians, cyclists, vehicle operators)
- Severe Weather
- Environmental Releases i.e., land and marine)

12.2 Emergency Recognition, Reporting and Notification

Local authorities and emergency services will be contacted prior to initiation of work. The work objectives and on-site capabilities will be explained, as well as the most likely emergencies including security incidents. Preferred contact procedures will be established and the response capabilities of local responders will be determined. Walsh/SBI JV will verify coordination between the emergency response plan and local requirements.

Upon discovering an emergency, the following series of events will occur:

- Notify personnel (i.e. verbal, mobile, 2-way radio, air horn)
- Establish communication
- Stop work activities, if necessary
- Lower background noises (shut down equipment)
- Begin emergency procedures (order is dependent on the situation)
- Survey casualties (if applicable)
- Assess “Airway, Breathing, Circulation” of each patient (if applicable)
- Request aid, if necessary
- Assess existing and potential hazards to site personnel and off-site populations
- Allocate resources
- Stabilize victims (if applicable)
- Evacuate all non-essential personnel

During non-security type emergencies, the Walsh/SBI JV PM will serve as the Emergency Coordinator (EC). The following information will be communicated to the appropriate personnel by the EC:

- Name of the person reporting the emergency;
- Telephone number at the location of the person making the call;
- Name of the injured person, if known;
- Description of the emergency;
- Exact location of the emergency;
- Actions already taken; and
- The nature of the assistance required.

12.3 Fires

All project personnel will be responsible for recognizing and reporting fires and conditions that could lead to fires. During all on-site activities, the following practices will be used for fire prevention and protection:

- Smoking on-site is prohibited in work areas, exclusion zones, and contamination reduction zones and other areas where smoking may create a fire hazard (e.g., dry fields);
- A designated smoking area with disposal receptacle will be established as necessary by the Safety Manager when operations on site begin;
- Accumulations of combustible scrap and debris on-site will be promptly removed and properly disposed;
- Care will be taken with all equipment to reduce the possibility of sparks or open flames;
- All electrical cords and plugs will be inspected prior to use; cords will be kept away from water and extreme moisture;
- Fire extinguishers (Type ABC) will be available at the work area and support area;
- A fire extinguisher will be available on all pieces of heavy equipment;
- Fire extinguishers will be inspected monthly;
- Defective firefighting equipment will be replaced immediately;
- Fires or open flame devices are prohibited, unless authorized by the Safety Manager in accordance with a Hot Work Permit;
- Only employees trained in the use of fire extinguishers will be permitted to use them; and
- Only fires in the incipient stage will be addressed using portable fire extinguishers. Regardless of the size and nature of the fire, and Walsh/SBI JV's ability to respond, all fires will be reported immediately to the local fire department.

12.4 On-site First Aid Support

The Safety Manager will be trained in First Aid, CPR, and bloodborne pathogens. On-site first aid kits must meet the requirements of OSHA 1910.266 and ANSI Z308.1. First aid kits will be assigned to each field crew.

Hypothermia

The barge crew will be supplied with a Hypothermia Response duffle bag for immediate use during a Man Overboard scenario. Once the individual is retrieved from the water, the individual will be taken into a warming room, all wet clothing removed, and evaluated. The Safety Manager will determine, based on the extent of the exposure, whether 911 is to be notified. If so, the individual will be transferred onto landside, if conscious. The individual will remain in a heated room until EMT service arrives.

12.5 Hospital and Emergency Route

Local emergency medical support contact information has been included in the in this SSSP and the Emergency Response Plan (ERP). Local hospital emergency rooms must be notified of the potential types of injuries and the contaminants involved.

12.6 Medical Transport of Employees and Case Management

For non-emergency injuries, a local clinic will be identified. The Safety Manager has the option to consult the Walsh/SBI JV Tele-Med assistance via Caduceus. The Regional HSE Manager will contact the medical clinic prior to project mobilizing to establish communication for case management. When there are two or more people on-site, an employee with minor injury may be transported by car after receiving first aid treatment. The Safety Manager or other project management personnel will transport the injured person to the facility. Personnel shall call 911 (may include Base Emergency Medical Responders, as directed by the Base) for severe injuries.

Transporting a worker by personal vehicle may only be conducted if: the injury/illness is not considered to be an emergency and/or life threatening; the injured/ill worker is not driving, and; there are at least two other workers in the vehicle; one person driving and one FA/CPR certified person sitting in the rear seat with the victim. Workers with questionable or serious illnesses/injuries should be transported by Emergency First Responders (i.e., ambulance/ paramedics/life flight) as they may commence medical treatment upon arrival, are not subject to the same rules of the road and will by-pass the emergency triage (i.e., their patients are immediately received in the emergency room upon arrival). Transporting a victim in a personal or work vehicle may result in a longer travel time and delay medical care.

Injured employees that require medical treatment or are taken to a doctor, hospital, clinic, etc., will not be allowed to resume work without a written return to work statement from the treating physician. This statement shall supply a medical diagnosis of the problem, the date of return to work, and work limitations. Should a return to work statement such as “light duty” be given, the treating physician will be contacted to determine the specific limitation. Walsh/SBI JV will assess work that the employee normally performs, whether or not the limitation interferes with the employee’s normal work.

Whenever there are questions on the appropriateness of the diagnosis or prescribed course of treatment, Walsh/SBI JV will arrange for a second opinion.

13.0 RISK MANAGEMENT PROCESSES

Major activities to be performed will be covered in an JHA for site-specific activities developed for each phase of work. Technical field personnel will be involved in JHA development. Craft labor involvement in JHA development will be encouraged. All personnel involved in a task will review the JHA before performing the task. This review will be appropriately documented. Upon commencement and throughout the activity, the JHA will be used to verify compliance with the prescribed hazard controls and to note any potential changes in process and, therefore, potential hazards. Appendix A contains the JHA template, as a reference.

JHAs will be identified during planning and implementation of fieldwork (e.g., due to alternative methods or equipment, etc.). The JHAs will be developed by the key safety personnel identified in Section 4, with input from any subcontractors and employees doing the work.

13.1 Construction & Site Hazards

The four leading causes of death or serious injury on construction sites are referred to as Focus Four Hazards. These include:

- Falls from elevations,
- Struck-by incidents (mostly mobile equipment and loads),
- Caught-in or between (mostly trench collapses), and
- Electrocution.

Based on the SOW, anticipated condition and configuration of the project site, during construction, the list below identifies hazards which may exist that will require planning and implementation of controls to reduce or eliminate the potential for an incident from occurring.

Table 13-1 Construction / Site Hazards

Work Hazards	Site Hazards
Mobilization of equipment, field trailers, storage containers	Vehicle and Pedestrian traffic patterns / closures
Temporary Construction elements	Flying Object and Debris (FOD)
Heavy equipment and crane operation	Unprotected working surfaces
Drill rig operation	Site Security - general public
MEWP operation	Rodents / Vermin / Stray animals
Combustible / Flammable liquids	Uneven or undermined terrain
Compressed gases and cylinders	Damaged / deteriorated structures (i.e., spalled concrete, steel members)
Hazardous Materials - storage, handling	Struck-by (pedestrian / cyclists)
Environmental releases - fuels, hydraulic oil, chemicals	Unprotected covers to sewers, manholes
Working at elevation	Poisonous vegetation (i.e., ivy, oak, sumac)
Working over water	Exposed / unprotected utilities
Working on a barge	

Work Hazards	Site Hazards
Working adjacent to traffic (vehicular / pedestrian)	
Exposure to Silica, asbestos, lead	
Electrocution	
Physical hazards from working with hand / power tools	
Fire - hot work	
Severe weather conditions	

13.2 Job Hazard Analyses

Major activities to be performed will be covered in an JHA. Craft labor and/or technical field personnel involvement in JHA development will be encouraged. All personnel involved in a task must review the JHA before performing the task. This review will be appropriately documented by the Safety Manager or their designee. Upon commencement and throughout the activity, the JHA will be used to verify compliance with the prescribed hazard controls and to note any potential changes in process and, therefore, potential hazards.

Based on the projected activities to be executed during the decommissioning efforts the following major phases of work are anticipated. Associated JHA's will be prepared for these phases of work once means and methods are established.

Table 13-2 Major Phases of Work

Major Phases of Work
Mobilization / Demobilization
Site Set-up (trailer, etc.)
Site Fencing & Access
MV, LV, Comms, Electrical Construction
Temporary Electrical
Mobilization - Floating barges (Flexi-Float) / Work Platforms / Gangways
Erosion and Sediment Control Installation
Tree & Plant Protection
Soil / Debris Stockpile - Sorting / Sizing / Loading / Hauling
Demolition of Concrete Structures
Lead Abatement
Stormwater System Installation - Manholes, Drainage Piping
Gas Line Installation
Potable/Fire Water Installation
Sewer Installation
Excavation
Marine Scope Items a) Wharf Demolition

Major Phases of Work
b) Sheet Piles & Deadman c) Concrete Piles d) Pile Tie-Downs e) Piles Caps & Beams f) Fascia Panels g) Caissons h) Girders i) Cast-In-Place Concrete j) Pier Appurtenances
Pre-Cast Concrete Installation
Backfill
Paving/Line Striping
Site Restoration

13.3 Task Hazard Analyses

Construction activities performed by Walsh/SBI JV and subcontractors will be analyzed for hazards through the Task Hazard Analysis process. Site Superintendents or Foreman will be responsible for analyzing the day's activities and determining the appropriate controls to reduce the potential for exposure to physical or chemical hazards to field personnel.

A Task Hazard Analysis (THA) will be prepared each day prior to initiating work. The THA form will be used by Walsh/SBI JV and subcontractors. All personnel assigned to the task(s) will be required to review and sign off on the THA. The THA will be modified if field conditions, construction means and methods or unforeseen hazard are identified.

The completed THA will be submitted to the Safety Manager for review at the end of the workday.

13.4 Site Control

Site control procedures for this project include the establishment of Work Zones through temporary fencing, barricades or other similar protection to prevent unauthorized or unsafe access to work areas. The Safety Manager (SM), as well as employees, will remain alert for any unauthorized entry to the work site(s) and will take necessary actions to control the work area(s). Authorized site visitors may visit the site after meeting the following conditions:

- Receiving site hazard and safety instructions from the SM;
- Reviewing and complying with the essential elements of the SSSP;
- Using appropriate PPE to enter regulated work areas, per the SSSP; and
- Reporting any observed unsafe act or condition at, or affecting, the work site.

A visitor's log will be maintained at the site.

14.0 AWARENESS AND COMMUNICATION

Hazard awareness and communication is an important part of the safety program and this SSSP. The following sections describe awareness and communication efforts to be implemented.

14.1 General Safe Rules

The following safety rules are applicable to all Walsh/SBI JV projects:

- Eat, drink, use gum or tobacco products, or apply cosmetics in designated areas only.
- Do not smoke within site areas or near sources of ignition; areas shall be marked where smoking is permitted.
- Wash hands, face, and any exposed skin during decontamination, before eating, drinking or using tobacco products, and at the end of each shift.
- Participate in Daily Safety Tailgate Meetings.
- Continually observe work location and be alert to changes that may affect safety.
- Avoid direct contact with contamination by not purposefully walking, touching, or contacting any obviously contaminated surfaces.
- Immediately report incidents, accidents, near misses, or unusual situations to Safety Manager.
- Use PPE provided and as instructed by the Safety Manager.
- All personnel accessing the boat and barge shall wear a USCG -approved Type III or IV Personal Flotation Device (RFD).
- Avoid hand-to-mouth or hand-to-face activities.
- Instruments and safety equipment/vehicles and construction equipment shall be inspected prior to use.
- Minimize the number of personnel in a work area to reduce potential exposures.
- Work within physical and mental limits.
- Take adequate rest breaks and replace body fluids. The Safety Manager will ensure that an adequate supply of drinking water (i.e., at least one quart of water per person per hour) and shade are available at the job site during work periods.
- At all times follow the instructions of the Safety Manager, Team Leader or designee.
- Do not deviate from the APP or the instruction of the Safety Manager.
- Avoid rushing and/or taking short cuts.
- Handle and dispose all waste generated from decontamination procedures per contract requirements; no waste shall be disposed without the direction of the PM.
- Conduct visual checks on machinery and equipment prior to use, and complete the daily inspection form.
- Take precautions to prevent spillage and splashing; contain spilled liquid if possible.
- Alert your senses to potentially dangerous situations (e.g., strong, irritating, or nauseating odors, unusual sounds or facility alarms).
- Familiarize yourself with the physical characteristics of the sites.
- Dispose of all wastes generated during activities as directed by the Safety Manager, PM/Supt or designee.

Conformance with these site rules is mandatory for continued project participation.

14.2 Accident Prevention Signs, Tags, and Labels

Standard accident prevention signs, tags, and labels will be used to communicate hazards and precautions in accordance with OSHA 29 CFR 1926, Subpart G. Examples that may be used include:

- A project sign, including running injury-free record
- Danger, Warning, and Caution signs
- Work zone signs
- PPE requirement signs
- Lockout/tagout tags
- Inspection and Do Not Use tags
- National Fire Protection Association or Hazardous Materials Identification System signs and labels

Specific items will be determined by the Safety Manager.

14.3 Postings

Required postings and general safety awareness reminder posters will be used to communicate information to site project personnel and visitors. In addition to the safety and health bulletin board described below, posters may be used throughout the site as determined by the Safety Manager. Poster topics will be directed at the known hazards on the site for the project.

14.4 Daily Safety Briefings

Daily briefings are used to communicate daily activities, hazards, and precautions, as well as to solicit input from site project personnel and visitors on safety issues or improvements. The Foreman will be responsible for convening daily safety briefings and prepare the THA. The briefings may also be used to present safety training topics and refresher items.

14.5 Safety and Health Bulletin Board

Walsh/SBI JV will assemble and maintain a project safety and health bulletin board in an area commonly accessed by workers. The bulletin board will be kept current, in clear view of on-site workers, and protected against the elements and unauthorized removal. If a designated field office is not available, then the same information will be inserted into a binder and maintained by the Safety Manager. It will contain at least the following safety and health information:

- Map denoting the route to the nearest emergency care facility
- Emergency phone numbers
- Copy of the current SSSP mounted on or adjacent to the bulletin board (or instructions to its location), which will be accessible on the site by all workers
- OSHA Form 300A (posted from February 1 through April 30 of each year) on or adjacent to the bulletin board
- Safety and health promotional posters
- OSHA safety and health poster

APPENDIX A

SAFE WORK PLAN *I*
JOB HAZARD ANALYSIS

PLAN THE WORK, WORK THE PLAN

OPERATION	
LOCATION	Wilmington, DE
WORKPLAN#	001
REVISION#	000
CREW/SUB	

TOP SAFETY HAZARDS	TOP SAFETY CONTROLS	TOP QUALITY RISKS	TOP QUALITY MITIGATIONS
			•
			•
			•
			•
			•

#	HOLD POINT	WORK PLAN PROCEDURE / STEP BY STEP	DRAWING/ ATTACHMENT PAGE #/ DETAIL	SAFETY HAZARD	SAFETY CONTROL	QUALITY RISK/ INSPECTION TEST	QUALITY MITIGATION / TOLERANCE	CREW/SUBCONTRACTOR
Sign PTP		**PTP, STRETCH & FLEX- Enter General Safety / Quality / Production Notes for the activity in this line**		**General Safety Hazards for this activity**	**General Control- PPE, Housekeeping**	**General Quality Risks**	**General Controls**	**All - Every day**
1				•	•	•	•	
2				•	•	•	•	
3				•	•	•	•	
4				•	•	•	•	
5				•	•	•	•	
6				•	•	•	•	
7				•	•	•	•	
8				•	•	•	•	
9				•	•	•	•	
10				•	•	•	•	
11				•	•	•	•	
12				•	•	•	•	
13				•	•	•	•	
14				•	•	•	•	
15				•	•	•	•	

PLAN THE WORK, WORK THE PLAN

OPERATION	Test Pile
PROJECT NAME	Delaware ContainerTerminal
PROJECT NUMBER	225020
COORDINATED ACTIVITIES	N/A

PERMANENT & TEMPORARY MATERIALS		
DESCRIPTION	APPROVED QUANTITY	SPECIAL HANDLING OR STORAGE

EQUIPMENT, TOOLS, SPECIALITY SAFETY ITEMS			
DESCRIPTION	RENT/ BUY	QUANTITY	TRAINING/ INSPECTION DETAILS

APPLICABLE LESSONS		
#/LINK	LESSONS LEARNED AND HOW INCLUDED	STEP #

DRAWINGS, SUBMITTALS, AND RFIs		
#/LINK	DESCRIPTION	APPROVED DATE

MEASURES TO PROTECT EXISTING / FINISHED WORK		
AT RISK ITEM	MEASURES TO PROTECT	STEP#
None		

SURVEY / LAYOUT / FIELD MEASURE		
SURVEY CALC NEED	SPECIFIC REQUEST	STEP #

RIGGING / LIFT DETAILS (if applicable)			
DESCRIPTION	LIFT TYPE/TRAINING	INSPECTION	STEP#

OTHER ATTACHED DOCUMENTS / ITEMS

ENVIRONMENTAL COSIDERATIONS		
DESCRIPTION	TRAINING /INSPECTION	STEP#

TASK SPECIFICIC TRAINING AND QUALIFICATIONS	**STEP#**

TASK SPECIFIC TRAINING AND QUALIFICATIONS

CODE	**BUDGET DESCRIPTION**	**QUANTITY**	**UNIT**	**PRODUCTION RATE**

DAILY PRODUCTION GOAL
See Schedule

TYPICAL CREW MAKE-UP (OPTIONAL)							
CODE	CARP.	LAB.	FIN.	OPT.	IW.	OTH.	TOTAL

Job Hazard Analysis

Date Prepared:	
Project:	**Type of Job:**
Contract No:	
Prepared by:	**Reviewed by:**
Recommended Protective Clothing & Equipment	

JOB STEPS	HAZARDS	ACTIONS TO ELMINATE OR MINIMIZE HAZARDS	OSHA or Other (If Applicable)
		•	
		•	
		•	
		•	
		•	
		•	
		•	
COMPETENT PERSONS (as required):			

EQUIPMENT TO BE USED	INSPECTION REQUIREMENTS	TRAINING REQUIREMENTS

SAMPLE

APPENDIX B

THE WALSH GROUP
CORPORATE HSE
(TABLE OF CONTENTS)

The Walsh Group
Corporate HSE Manual
Table of Contents

Section	Title	
1	Roles & Responsibilities	
2	Project HSE Administration	
3	Recordkeeping and Reporting	
4	Education & Training	
5	Incident Management	
6	Firs Aid & Medical Services	
7	Bloodborne Pathogens	
8	Site-Specific HSE Planning	
9	Project HSE Inspection	
10	Unsafe Conditions Notices	
11	Visitors General Release	
12	OSHA Management	
13	Personal Protective Equipment (PPE)	
14	Respiratory Protection	
15	Hearing Protection	
16	Fall Protection	 Appendix E.1_ DCT Fall Protection Plan_
17	Fire Prevention	
18	Ladders	
19	Scaffolding	
20	Electrical	
21	Lock-Out Tag-Out	
22	Hand and Power Tools	
23	Mobile Elevating Work Platforms (MEWP)	
24	Personnel Hoisting	
25	Welding and Cutting	
26	Compressed Gas Cylinders	
27	Trenching and Excavation	
28	Steel Erection	
29	Rigging	
30	MAZMAT Management	
31	Mold Prevention	
32	Mold Remediation	
33	Asbestos	
34	Benzene	
35	Lead	
36	Hazard Communication (HazCom)	
37	Permits	
38	Confined Space	
39	Abrasive Blasting	
40	Concrete & Masonry Construction	
41	Demolition	
42	Silica	
43	Office Safety	

The Walsh Group
Corporate HSE Manual
Table of Contents

Section	Title
44	Job Safety Analysis
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46	Cranes and Hoisting Equipment
47	Performance and Recognition
48	Work Zones
49	Underground Construction
50	Marine Construction

APPENDIX C

HSE FORMS

soLGTAHCHe BACHY inTGRHATIOnAL	**HEALTH AND SAFETY PLAN COMPLIANCE AGREEMENT**

Project: Delaware Container Terminal

I have received information and training on the contents of the Site Safety and Health Plan including operations to be performed, site hazards, safety requirements, use of personal protective clothing and equipment, monitoring requirements, site control, decontamination procedures, and actions to take in the event of a site emergency. Copies of this plan are available for my review.

I have reviewed the plan, understand its requirements, and agree to comply with all of its provisions. I understand that failure to comply with these requirements could result in disciplinary action.

Signature	Position	Employer	Date

APPENDIX D

HAZARD COMMUNICATION PROGRAM

APPENDIX D

HAZARD COMMUNICATION PROGRAM

1.0 Purpose

The purpose of this Hazard Communication Program is to ensure that important information regarding hazardous chemicals used, handled, or stored during the conduct of business is transmitted to employees and other affected persons as appropriate.

A hazardous chemical means any chemical that is either a physical hazard or health hazard and includes hazardous chemicals generated during work operations. Chemical hazard information will be made available to employees and other affected persons, as appropriate, through the implementation of this comprehensive program which includes container labeling and other forms of warning, the collection and compilation of Safety Data Sheets (SDSs), and training.

2.0 Chemicals Included in the Hazard Communication Program

The program applies to hazardous chemicals that are known to be present in the workplace and used or stored in such a manner that employees may be exposed under normal conditions of use or in a foreseeable emergency.

It is the responsibility of the PM and the Safety Manager to ensure that chemical materials meet the provisions of this Hazard Communication Program.

3.0 Chemicals and Materials Exempt from the Hazard Communication Program

The following materials are exempt from requirements of the program:

- Hazardous waste as defined by the Resource Conservation and Recovery Act when subject to regulations issued under the United States Environmental Protection Agency (USEPA).

- Hazardous substances as defined by the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) when subject to regulations issued under CERCLA by EPA.

- Tobacco or tobacco products.

- Wood or wood products which will not be processed. Wood treated with a hazardous chemical and wood which may be sawed or cut, generating dust, are covered.

- Articles which are a manufactured item other than a fluid or particle; which is formed to a specific shape or design during manufacture; which has end use functions dependent in whole or in part upon its shape or design during end use; and which, under normal conditions or use, do not release more than minute or

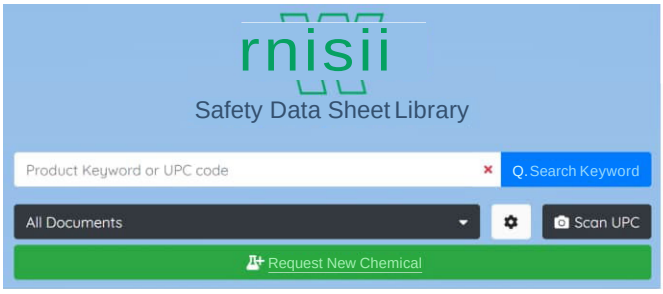
trace amounts of a hazardous chemical and do not pose a physical hazard or health risk to employees.

- Any drug when it is in solid, final form for direct administration such as over-the-counter drugs and first aid supplies.
- Cosmetics
- Any consumer product or hazardous substance, where it can be demonstrated that it is used in the workplace for the purpose intended by the chemical manufacturer or importer of the product, and the use results in a duration and frequency of exposure which is not greater than the range of exposures that could reasonably be experienced by consumers when used for the purpose intended.
- Nuisance particulate where the chemical manufacturer or importer can establish that they do not pose any physical or health hazard.
- Ionizing and non-ionizing radiation.
- Biological hazards.

4.0 Lists of Hazardous Chemicals

The Project Manager and the Safety Manager will develop and maintain the hazardous chemical list for the work being performed under the Scope of Work (SOW). The list of hazardous chemicals will be kept current and updated by the Safety Manager. The lists of hazardous chemicals will contain the location, the name of each chemical as referenced on the SDS, the type of compound (i.e., flammable, corrosive, poison, etc.), the date of the inventory, and the name of the person generating the list. The Safety Manager will conduct an inventory at the start of site operations and monthly in order to develop and maintain an accurate list of covered hazardous chemicals.

SDSs may be acquired directly from the vendor or subcontractor. The PM / Safety Manager may also request SDS's from the Regional HSE Manager through the Walsh Data Sheet Solutions online system.



EflgH
r–iQrJEgi
LBJ-
To access go to
www.walsh.sds.center
or scan QR code

Copies of SDS's will either be available for review in hard copy of e-copy upon request.

5.0 Labels and Other Forms of Warning

Site personnel will rely upon the original product labels to the extent practical. When labels must be applied to a temporary container, they will be printed in English and contain the following information:

Identity of the hazardous chemical(s).

- Appropriate hazard warnings (i.e., any words, pictures, symbols, or combination thereof), which provide employees with specific information regarding the physical or health hazard(s) including primary target organ effect(s).

- The name of the chemical manufacturer, importer, or other responsible party, if appropriate.

- Labels and other forms of warning will be legible, in English, and prominently displayed on the container, or readily available in the work area throughout each work shift.

- If existing labels already contain the required information, new labels are not required.

- Labels will not be removed or defaced. Container labels must meet the OSHA GHS standard for labeling.

- Laboratory-prepared sample collection bottles with sample preservative (5 milliliters or less) will not be labeled with hazard warnings.

6.0 Shipping Hazardous Chemicals

Chemical manufacturers, importers, and distributors must ensure that each container of hazardous chemicals leaving their workplace is labeled, tagged, or marked with specific information, including:

- Identity of the hazardous chemical(s) (i.e., chemical name or common name as listed on the SDS)

- Appropriate hazard warnings (i.e., any words, pictures, symbols, or combination thereof which provide employees with specific information regarding the specific physical or health hazard(s), including primary target organ effect(s))

- The name and address of the chemical manufacturer, importer, or other responsible party, if appropriate

The Safety Manager or the Site Manager will ensure that containers of hazardous chemicals being shipped are marked in a manner which does not conflict with the requirements of the United States Department of Transportation (USDOT).

For the shipment of samples, labeling and SSDS requirements outlined herein are not required under this Hazard Communication Program. Personnel should follow proper packaging and shipping requirements as established by the USDOT and/or International Air Transport Association/Intemational Civil Aviation Organization.

7.0 Safety Data Sheets

Chemical manufacturers and importers are required to obtain or develop an SDS for each hazardous chemical they produce or import.

The Safety Manager will maintain a copy of the SDS for each hazardous chemical, and will ensure that they are readily accessible to employees working with or near the chemical.

The Safety Manager will inform site workers of the type and location of hazardous chemicals onsite and the location of SDSs. The Safety Manager will be made aware of new chemicals required at the site by the Superintendent, the Project Manager, and/or subcontractors so that site workers are aware of the chemicals, the chemical can be added to the site inventory, and the SDS can be included in the site files. SDSs will be referenced in the event that there is a spill that requires clean up by site personnel or by emergency responders.

8.0 Employee Information and Training

Training and education is an ongoing essential part of this Hazard Communication Program. It is important that employees not only have access to the technical information regarding the chemical hazards in their workplace, but that they must understand what it says. Training, information, and education are intended to give employees the skills they need to do their jobs in a way that protects their safety, health, and welfare. At a minimum, training will be conducted at the Pre-Entry Briefing and whenever a new physical or health hazard the employees have not previously been trained in is introduced into their work scope.

Project personnel will be trained in the following:

- Overview of the Hazard Communication Regulation (29 CFR 1910.1200), including the OSHA GHS revisions, and the elements of this Hazard Communication Program
- Operations involving hazardous chemicals or materials in their work area and methods of detecting and identifying them
- Location and availability of the SDSs and a written hazard communication program; familiarity with access to the Walsh Safety Data Sheet Library
- How to read an SDS and container label
- Physical properties and health effects of hazardous chemicals and materials and measures to be taken by the employee to protect themselves
- Use of engineering controls, personal protective equipment and work practices to prevent or lessen exposure to hazardous chemicals or materials
- Emergency and first aid procedures to follow in case of exposure to hazardous chemicals or materials

APPENDIX E.l

FALL PROTECTION PLAN

APPENDIX E.l

Delaware Container Terminal
Fall Protection Plan

1.0 INTRODUCTION

This plan provides requirements for the use prevention of falls and for the protection of workers, when fall prevention techniques are not sufficient to eliminate the fall hazards.

Fall prevention and protection policies and procedures are contained in Walsh Construction Corporate HSE Manual, Section 16. Other relevant standards and guidelines applicable to fall protection are OSHA 29 CFR 1926, Subpart M.

2.0 GENERAL REQUIREMENTS

2.1 Policy

Fall prevention or protection measures will be implemented whenever employees are exposed to falls of more than six feet or onto hazardous equipment or obstructions at the project, regardless of the phase of construction or activity.

Project management shall provide and install all fall protection systems required to allow employees to perform work activities safely and shall comply with all the pertinent requirements of this program before an employee begins the work that necessitates the fall protection.

2.2 Hazard Assessment

The Safety Manager and project team, as part of the planning phase of work, will include discussions on fall prevention and protection for each major feature of work and will be addressed in the JHA. Changes to this plan will be included in the JHA based on activity and site-specific conditions.

2.3 Control Hierarchy

The hierarchy of hazard control will be used to determine the most appropriate control method to reduce or eliminate the fall hazard for the worker. The fall protection hierarchy will consider the following controls: Elimination, Engineering (prevention), Administrative, and PPE (restraint / arrest). Whenever feasible, standard guardrails will be the preferential control to prevent falls from elevations. If the use of guardrails is not feasible, then Walsh/SBI JV and its subcontractors will consider other engineering control options, restraint systems, personal fall arrest systems, or warning lines and/or safety monitors.

2.4 Inspections

All users of fall protection PPE and systems will be responsible to inspect all equipment meant to control a fall hazard on a daily basis, prior to use, and during the work shift as conditions may change. This includes but is not limited to:

- Walking/working surfaces
- Ladders, stairs and access ramps

- Scaffolds
- Aerial Work Platforms
- Personal fall arrest systems and positioning devices including harness, lanyard and anchor points

The Competent Person will inspect and tag scaffolds daily. The Safety Manager will conduct periodic inspections of PFAS to verify defective equipment is not being used.

2.5 Rescue

In general, rescue of personnel from elevations, particularly those who may be suspended by a PFAS will be made by the following steps:

- All harnesses will be equipped with a suspension strap accessory to prevent suspension trauma in the event of a fall
- If easily accessible, an aerial work platform will be used to retrieve a suspended worker. Fire and Emergency will be called in all instances for backup assistance.
- Where personnel need to be recused from suspended work platforms or personnel hoists, as separate dedicated recue hoist will be readily available to extract personnel and hoist them to the surface. In this scenario the FDNY will be summoned to support rescue or take the lead.
- To rescue personnel from other elevated locations, and locations inaccessible to an Aerial Work Platform, the FDNY will be called (Fire and Emergency - 911).

2.6 Other Guidelines for Fall Protection

Standard guardrail, catch platforms, temporary floors, safety nets, personal fall protection devices, or the equivalent, shall be used to protect site personnel in the following situations:

- Access ways (excluding ladders) or work platforms from which they may fall 6 ft or more;
- Access ways or work platforms over water, machinery, or dangerous operations; and
- Runways, from which they may fall 1.2 m (4 ft) or more.

Platforms, including scaffolds, 4 ft to 6 ft in height, having a minimum horizontal dimension in either direction of less than 45 inches, shall have standard railing installed on all open sides and ends of the platform or the workers shall use personal fall protection.

Personal fall protection devices will be required any time personnel are working from a work platform that is not protected by standard guardrails, and are exposed to falls from a height of six feet or more.

Anchorages used for attachment of personal fall arrest equipment shall be independent of any anchorage being used to support or suspend platforms and capable of supporting at least 5,000 pounds per employee attached, or shall be designed, installed, and used as follows:

- As part of a complete personal fall arrest system which maintains a safety factor of at least two; and
- Under the supervision of a qualified person.

Personal fall arrest systems, when stopping a fall, shall:

- Limit maximum arresting force on an employee to 1,800 lb (820 kg) when used with a body harness;
- Be rigged such that an employee can neither free fall more than 6 ft (1.8 m) nor contact any lower level or other physical hazard;
- Bring an employee to a complete stop and limit maximum deceleration distance an employee travels to 3.5 ft (1 m); and

- Have sufficient strength to withstand twice the potential impact energy of an employee free falling a distance of 6 ft (1.8 m) or the free fall distance permitted by the system, whichever is less.

Positioning device systems shall:
- Be rigged such that an employee cannot free fall more than 2 ft (0.6 m);
- Be secured to an anchorage capable of supporting at least twice the potential impact load of an employee's fall or 3,000 lb (1360 kg), whichever is greater.

Additionally the following requirements for full-body harnesses shall be met:
- Harnesses shall have two lanyards when necessary to insure that a person is tied-off with at least one lanyard at all times;
- The manufacturer's recommendations shall be followed in the fitting, adjustment, use, inspection, testing, and care of personal fall protection equipment: before an employee uses personal fall protection equipment, he/she shall receive instruction in these recommendations and the potential fall hazards of the activity;
- Personal fall protection equipment shall be inspected before use each day to determine that it is in safe working condition: defective equipment shall be immediately replaced.

Personal fall protection equipment shall be used only for the purpose of safeguarding employees as intended by the manufacturer. Any such equipment subjected to impact loading shall be immediately removed from service, and shall not be used again for employee safeguarding.

Appropriate protection (such as warning signs, flags, tape, or barricades) shall be provided to prevent personnel, vehicles, and equipment from falling into excavations.

2.7 Other Guidelines for Scaffolding

Scaffolds will be designed by a qualified person. Design information, or manufacturer's instructions will be provided to Walsh/SBI JV and maintained on-site. Scaffold erection and dismantling will take place under the supervision of a competent person, who has selected and trained the workers involved. Fall protection will be used unless the Competent Person documents that it is not feasible, or a greater hazard.

The load capacities will not be exceeded. Scaffold platforms will be fully decked and provided with standard guardrails. Scaffolds will be level, plumb, properly braced, and secured against tipping and falling in accordance with OSHA and manufacturer's requirements.

Scaffolds will be inspected and tagged on a daily basis by the Competent Person.

Safe access to work platforms will be provided in the form of ladders or stair towers. Stair towers will have stair rails on all open sides.

Employees working from scaffolding should observe the following rules:
- Inspect the scaffold prior to using it.
- Maintain three points of contact when climbing ladders.
- Never climb on the scaffold braces. Climb end frames, only when they are designed as access ladders.
- Hoist materials up after reaching work platforms.
- Remove slippery substances from hands, feet and scaffolds. Remove trip hazards
- Do not allow debris to accumulate on platforms.

- Secure all gates, chain rails, etc.
- Don't use ladders or other things on the platform to increase your working height.
- Don't use red-tagged or untagged scaffolds. If using a yellow-tagged scaffold, follow instructions on the tag.
- Don't throw or drop things from the scaffold.
- Use side brackets for personnel only, not for loading materials.
- Lock wheels on mobile scaffolds.
- Do not move mobile scaffolds with people standing on the platform. Descend and push unoccupied scaffold into place.
- (Note: Mobile scaffolds may be moved with personnel on the platform, only if the height is no more than twice the minimum base dimension; the platform is level within 3°; there is a guardrail around the platform; occupants are warned before moving; and movement is by pushing from near the bottom, no higher that 5 feet from the surface.)
- Do not load scaffolds in excess of their rated capacity. Do not point load scaffold - distribute the weight.
- Maintain a safe distance - at least 10 feet - from all power lines.
- Use tag lines to control loads near scaffolding.
- Protect support ropes of suspended scaffold from damage, corrosive materials, and heat producing processes, such as welding and cutting.
- Do not work on scaffolds in storms or high winds unless the Competent Person has determined it is safe to do so.

3.0 TRAINING

A Training Program will be implemented for site workers working at heights. Training will include:

- The nature of fall hazards in the work area;
- The correct procedures for erecting, maintaining, disassembling, and inspecting the fall protection systems to be used;
- The use and operation of:
  - guardrail systems,
  - personal fall arrest systems,
  - safety net systems,
  - warning line systems,
  - safety monitoring systems,
  - controlled access zones, and
  - other protection to be used;
- The role of each employee in the safety monitoring system when this system is used;
- The limitations on the use of mechanical equipment during the performance of roofing work on low-sloped roofs;
- The correct procedures for the handling and storage of equipment and materials and the erection of overhead protection;
- The role of employees in fall protection plans;
- The OSHA standards for fall protection; and
- Walsh/SBI JV HSE Manual, Section 16 - Fall Prevention and Protection.

Project Name:	**Project Number:**
Activity:	**Competent Person:** (Attach qualifications) Walsh/SBI JV: Subcontractor:
Subcontractor:	
Description of Fall Hazards (location, height, work to be done at elevation, etc.)	

Controls	**Provide details.** Attach drawings, catalog sheets, additional pages as needed.
□ Guardrails (Describe guardrail system or attach drawings. If fall protection is need during installation, describe) □ Fall Restraint (Describe anchorage, harness and restraint lanyard, minimum distance from edge of fall exposure) □ Positioning device (Describe anchorage, harness and restraint lanyards and hardware connectors) □ Personal Fall Arrest System (Describe anchorage, lanyard, harness, fall clearance) □ Do anchor points need to be installed? □ No □ Yes (Provide design details and fall protection method for installers) □ Horizontal Lifeline (Attach Qualified Engineer Design or Mfg. product information) □ Vertical Lifelines, Rope Grabs (Provide details and limitations on use)	

Rescue Plan (Describe how you will remove a suspended or injured worker from elevations, rescue equipment to be maintained on site, expected time required to affect rescue)

All employees of **(company name) _____**have been trained on this plan and on the selection, use, inspection and maintenance of fall protection equipment.

Competent Person Signature:	**Date:**

APPENDIX E.2

CONFINED SPACE ENTRY PLAN

APPENDIX E.2

CONFINED SPACE ENTRY PLAN

1.0 Introduction

When required, Walsh Corporate HSE Manual, Section 38 - Confined Space Entry, provides the requirements to ensure a safe working environment within and around confined space operations by evaluating confined space hazards, implementing necessary controls, and regulating employee entry into confined spaces in accordance with proper confined space procedures and protocols.

The Safety Coordinator will be required to complete the CSE Plan based on the details of the space, access points, and hazards associated with the space. A CSE Plan template has been included at the end of this attachment and will be completed as necessary by the Safety Coordinator and CSE Competent Person prior to entry into the confined space(s).

Confined space entries should only be made if there is not a feasible method of performing the task from outside of the confined space.

2.0 Definition

A Confined Space is an enclosed area which exhibits the following characteristics:

- Is large enough and so configured that an employee can bodily enter;
- Has limited or restricted means for entry or exit; and
- Is not designed for continuous occupancy.

A Permit-Required Confined Space is a confined space which has one or more of the following characteristics:

- Contains or has the potential to contain a hazardous atmosphere;
- Contains a material that has the potential for engulfment of the entrant; or
- Has an internal configuration that could trap or asphyxiate an entrant.

3.0 Practices (General)

The following practices shall be adhered to during actual confined space entries:

- All confined spaces will be treated as permit-required confined spaces unless the Safety Coordinator specifically provides an exemption in the APP, or by a field change request to the APP/SHP. Prior to entry, a properly executed permit shall be in place and signed by the Safety Coordinator, Entry Supervisor, Attendant, and each Entrant;
- Rescue capabilities will be evaluated and an acceptable rescue plan will be developed prior to confined space entries. This plan must be approved by the Safety Coordinator prior to the beginning of the entry;

- The Entry Supervisor shall certify that all equipment is in place and operable, acceptable entry conditions are present, all personnel have been fully briefed and all personnel have signed the permit prior to initiating entry;
- The work area outside the space shall be barricaded to prevent unauthorized personnel from interrupting the attendants or entering the space. Unauthorized personnel shall be asked to leave the barricaded area. If unauthorized personnel refuse to leave the area, operations shall be terminated;
- Atmospheric monitoring for oxygen, LEL, and toxic air contaminants shall be conducted at the frequency noted on the permit. Results shall be logged on the permit;
- No permit-required confined space shall be entered without:
  - A full body harness;
  - A 6' lanyard attached to the harness "D" ring; and
  - A lifeline attached to the lanyard with the opposite end secured outside the confined space. The lanyard and lifeline must have double locking connectors.
- Top entries with a fall potential greater than 6 feet shall be made with fall protection. Fall protection shall meet the criteria specified in 29 CFR 1926.502(d);
- At least one attendant is required for permit-required entries. The attendant shall maintain visual or voice communications with entrants at all times. Attendants shall not leave their post unless formally relieved by another authorized attendant. The replacement shall be fully briefed by the entry supervisor on all information covered in the pre-entry briefing. Entry supervisors may also serve as attendants;
- When any confined space is entered where the noise level or respirator used prevents voice communication, visual contact between the standby and workers must be maintained;
- Metal ladders, hand tools or other instruments which may spark or cause a source of ignition, are not to be used within confined spaces where any detectable amounts of LEL is present;
- No burning, grinding, chipping, or other operation which produces heat, sparks, or ignition sources are to be performed without a hot work permit;
- One attendant shall be dressed in the same PPE as the authorized entrants, except for respiratory protection. Attendant supplied air shall be from a different source than that of authorized entrants;
- The entry supervisor shall terminate operations when the work is completed, an unacceptable entry condition is detected, or another emergency inside or outside

the space is detected. Authorized entrants shall immediately evacuate upon notification of the termination;

- Attendants may monitor multiple sites only if they are able to maintain continuous visual or voice communications with entrants. If continuous communications cannot be maintained, additional attendants shall be used;
- Attendants shall perform non-entry rescues in emergencies using rescue equipment staged at the site;
- Onsite personnel may perform entry rescues if they are adequately trained and identified in the rescue plan;
- Upon completion of work and exit of the entrants, the permit shall be canceled by the entry supervisor and forwarded to the Safety Coordinator. Permits shall be maintained as a part of the project file.

4.0 Training

For spaces that have been classified as “Non-Permit Required” individuals assigned to enter the space will be provided with Awareness-level training, specific requirements, as per the Walsh / SBI JV policy, and review the SWP associated with the task.

All employees involved in “Permit-Required” Confined Space operations must be trained to perform their respective duties before initial job assignment and whenever entry procedures or job responsibilities change.

Employees assigned to perform rescue services, must have training in the following:

- Use of personal protective equipment and rescue equipment.
- Authorized entrant training plus training in how to perform rescue duties.
- Simulated rescue training every 12 months.
- First aid and CPR.
- Contract rescue personnel must be informed of hazards.
- Rescue service must be given access to spaces to develop rescue plan.

Confined Space Pre - Entry Survey

Date: _____

Project Name: _____ Job Number: _____

Work Location: _____

Entry Purpose: _____ Time: _____

Superintendent: _____ Foreman _____

Tester Model	Serial Number	Calibration Date

	Time	Time	Time	Time	Time	Time
Percentage of Oxygen (O2) (19.5 % - 23.5%)						
Lower Explosive Limit (LEL) (Under 10%)						
Carbon Monoxide (CO) (+35 PPM)						
Hydrogen Sulfide (H2S) (+10 PPM)						

Hazard Assessment	YES	No
Has work been planed, reviewed with work crew and all training conducted?		
Has an inspection been conducted on all tools and equipment for defects?		
Is there adequate light for the task?		
Is a Lock - out / Tag - out system required?		
Is continuous atmosphere monitoring required?		
Is continuous ventilation required?		
Is there any environmental or biological hazard in work area?		
Is there any materials harmful to health in work area?		
Is there any flammable materials in the work area?		
Is there any toxic material in the work area?		
Is there any engulfment hazards in the work area?		

Standby / Rescue		
Standby person on the outside in constant visual or audiblecommunication		
Standby person been trained in rescue / retrieval procedures		
Are rescue procedures available and can they be followed in an emergency		
Will safety lines and harness be required to remove a person		

Other Required Permits

Excavation _____ Hot Work _____ Line Break _____

This is a **Non - Permit** Confined Space

Emergency Phone Number **911**

APPENDIX G

EMERGENCY ACTION PLAN

APPENDIX G

EMERGENCY ACTION PLAN

1.0 Purpose

The purpose of this Plan is to establish the procedures and provide guidance for implementation during the Delaware Container Terminal (DCT) project.

2.0 Scope

The Walsh/SBI JV/SBI JV Emergency Action Plan applies to all Walsh/SBI JV/SBI JV employees, their subcontractors, and lower tier subcontractors as well as client and visitors that may be at the project site during an emergency situation. This plan was designed to establish procedures and contingency guidelines for possible emergency conditions that might occur at the site.

This Plan will cover the topics listed below at a minimum:

- Pre-Emergency Planning
- Personnel Roles and lines of Authority
- Emergency Recognition and Prevention
- Safe Distances and Safe Zones
- Site Security and controls
- Evacuation Routes and Procedures
- Emergency Medical Treatment, First Aid/CPR, and AED
- Spill or Release Contingency Plan (Marine-based)
- Emergency Alerting and Response Procedures
- Personnel Protective Equipment & Emergency Equipment
- Site Topography, layout, & Prevailing Weather conditions
- Reporting Procedures
- Training

3.0 Pre-Emergency Planning

This section includes information needed for pre-planning for emergencies.

3.1 Emergency Contact List

See table below.

3.2 Planning Meeting

Walsh/SBI JV's field project management team, along with the Subcontractors designated H&S representatives, will hold a pre-emergency response meeting during mobilization and prior to fieldwork to discuss and define the following:

- Personnel roles and line of authority;
- Safe distances from emergency location;
- Evacuation/Hospital route, procedures, and pre-determined meeting place;
- Medical emergency and communication procedures;
- Emergency alert and response procedures; and
- Emergency equipment and its location on-site.

Annually, or as needed, the Safety Manager and the PM will review the plan and make any changes necessary to keep the plan current with new or changing site conditions and information.

3.3 Coordination with Local Emergency Agencies

Based on the type, complexity and risks of the tasks to be performed local Fire and Emergency Services may be contacted prior to initiation of work. If contacted, the work objectives and on-site capabilities will be explained, as well as the most likely emergencies. Preferred contact procedures will be established, and the response capabilities of local responders will be determined. Walsh/SBI JV will ensure there is good coordination between our emergency plan and local requirements.

EMERGENCY CALL LIST AND PROJECT ORGANIZATION		
	Name / Organization	**Phone number(s)**
Fire / Police / Emergency Medical / Spills	**New Castle County PD** 3601 Dupont Highway New Castle, DE 19720 **DE State Police Troop 1** Philadelphia Pike Wilmington, DE 19809	**911** (212) 477-7311 (non-Emergency) **911** (302)573-2800 (non-Emergency)
	Wilmington Fire Department Brandywine Hundred Fire Co. Station 11 1006 Brandywine Blvd Wilmington, DE 01809	**911** (302)576-3950 (non-Emergency) 911 (302)764-4901 (non-Emergency)
Hospital / Medical Clinic	Wilmington Hospital Christiana Care 501 West 14th St. Wilmington, DE 19801	(302)733-1000 -General
Spills and Releases	National Response Center (EPA / USCG) USCG Sector Delaware Bay	800-424-8802 (206)815-6850 (833)453-1007 (24 Hour Response)
Local Agency (Spill & Release Notification	DNREC	(302)739-9404
		(800)662-8802 (24 Hour Response
Marine-based Emergency / Spills	USCG Sector Delaware Bay	(206)818-6850 (833)453-1007 (24 Hour Response)
Business Group Leader	Patrick Rooney	(201)665-6549
Project Manager	Brian Midlick	(717) 773-0022
Project Manager	Andrew Saunders	(203) 627-2254
Superintendent	Jody Ware	(412) 475-0886
Safety Manager	Mike Sprangers, CHST	(717)773-0017
Regional HSE Manager	Will Stephan, CHMM, CHST	(201) 247-4847
First Aid / CPR Provider	PM / Supt. / Safety Mgr.	

POST THIS LIST NEAR TELEPHONES. KEY PROJECT PERSONNEL ARE TO HAVE A COPY OF THIS LIST READILY AVAILABLE AT ALL TIMES

4.0 Personnel Roles and Lines of Authority

During all emergencies, the Project Manager will serve as the Emergency Coordinator and the Safety Manager will support the Emergency Coordinator in the safety officer role. Together they will evaluate, abate and/or contain depending on the type and extent of the emergency.

Upon discovering an emergency, the following series of events will occur:

3 Notify personnel;

4 Establish communication;
5 Facility or outside Emergency notification (Refer to Emergency Contact List)
6 Stop work activities, if necessary;
7 Lower background noises (shut down equipment);
8 Begin project-specific emergency procedures (order is dependent on the situation);
9 Survey casualties;
10 Access "Airway, Breathing, Circulation" of each patient;
11 Request aid, if necessary;
12 Assess existing and potential hazards to site personnel and off-site populations;
13 Allocate resources;
14 If a certified EMT is in attendance, help extricate and stabilize victims; and
15 Evacuate all non-essential personnel.

5.0 Emergency Recognition and Prevention

Conditions that may lead to an emergency situation during field activities will be addressed in specific SWPs as tasks are identified. These conditions include:

- Incident involving a serious injury or illness;
- Fire;
- Vehicle collisions or rollovers;
- Environmental release;
- Severe weather;

On a day-to-day basis individuals should be constantly alert for indicators of potentially hazardous conditions and exposures. Following instructions in the JHAs and daily tailgate meetings will be effective at preventing job-related emergencies. Attention to personal health conditions and maintenance requirements, as well as safe work practices, will prevent personal medical emergencies

Daily tailgate meetings shall be used to refresh and update personnel on emergency recognition, reporting procedures, and response actions.

6.0 Safe Distances and Safe Zones

Designated rally or muster points will be determined based on-site conditions and identified prior to commencing work onsite. In general, if a work site evacuation is ordered, the primary rally point will be at the Walsh/SBI JV field office trailer. If the trailer is in or proximate to the affected area, the alternate rally point will be utilized. The project-designated rally point(s) will be identified using visually affixed signage. The designated rally point location(s) will be identified during site safety orientation training and on the safety board.

7.0 Site Security and Control

In the event of an emergency, the Emergency Coordinator will assign someone to post at the construction entrance to keep unauthorized and non-emergency personnel and vehicles from entering, and direct emergency responders to the proper location.

A site sign-in list will be retrieved by the Safety Manager or designee so that an accounting of all employees and visitors can be made if the site is evacuated.

8.0 Evacuation Routes and Accountability Procedures

Evacuation Routes and rally points will be developed at the project site. The information will be reviewed during the Site Orientation Training and will be posted on the bulletin board and at other necessary locations as indicated above. If there is expected to be more than one field trailer located on site (this includes Walsh/SBI JV, their subcontractors, and client) they shall be numbered in a highly visible location so that Emergency information, equipment, and emergency response teams can easily locate and identify field trailer(s) to eliminate confusion.

Once an evacuation is requested all personnel will stop what they are doing and head directly to the designated or closest rally point. Once at the rally point:

1. The Emergency Coordinator, or designee, will obtain a head count for Walsh/SBI JV and subcontractor employees present at the site.
2. All personnel shall remain at the assembly station until further instructed.

The Superintendent and Safety Manager will be responsible for training the site personnel in the proper evacuation procedures and for arranging for accountability of all personnel in the event of an evacuation. Generally, this will consist of designating a person to take the daily sign-in sheet(s) or Access Control Log to the rally point and taking a roll call.

9.0 Emergency Medical Treatment (First Aid/ CPR/ AED)

At least two employees certified in both First Aid and CPR and AED use be on the project at all times. A first aid kit will be maintained on site and checked weekly. First aid emblem should also be attached to all numbered field trailers containing first aid kits, next to all doors. A log of first aid treatment and materials used will be kept on or adjacent to the first aid kit.

An AED well be stationed on site and the location will be communicated to each and every member of the (project name). “AED” should be posted at the entry of the field trailer it which it is stored and first aid symbol.

If an injury or illness requires more than first aid, but is not an emergency, the employee will be first evaluated by a FA-trained individual, given an option to have a TeleMed evaluation performed, or taken to a designated off-site medical for evaluation and possible treatment.

If the injury or illness is considered an emergency, the PM / Safety Manager will contact 911.

See Hospital and Medical Clinic Route Map and directions at the end of this appendix.

10.0 COVID-19 Response Plan - N/A

11.0 Fire and/or Explosion

Upon discovery of a fire / explosion, the employee will:

- Immediately notify their supervisor and call the Hunter Roberts Construction Group (HRCG) representative to report the emergency. Evacuate the area without delay, contact the Walsh/SBI JV safety representative, and then report to assigned assembly area by Walsh/SBI JV office trailer.
- Once notified, Walsh/SBI JV will inform all project personnel to evacuate the area if necessary.
- Each employee stop work and go directly to the designated or closest rally point.
- Employees in the immediate area who have been trained to use fire extinguishers may use them only on fires in the incipient stage (i.e., small fires, like a trash can fire).
- If the fire is not extinguished after one extinguisher is fully discharged, the employee should immediately evacuate the building or area.
- Under no circumstances should an employee attempt to fight a fire if they have not been trained.
- No employee will enter a smoky building or room to fight a fire.

12.0 Rescue Operations

Where employees are engaged in one of the following activities or environments, a rescue plan will be incorporated into the Job Hazard Analysis or appropriate site-specific plan:

- Working at elevations
- Using personal fall arrest systems
- Confined spaces, or potentially IDLH atmospheres
- Working alone
- Working in remote environments
- Work conducted on or over water

13.0 Property Damage

In a scenario where the construction activities cause damage to property, Walsh/SBI JV will stop the work and evaluate the extent of the damage. The PM and/or Safety Manager will notify the HRCG representative immediately once an evaluation has been conducted. Work will not be permitted to resume until the HRCG has the opportunity to conduct an assessment. Walsh/SBI JV and HRCG will determine when construction activities may resume.

If the property damage results in a possible exposure to falling debris or structural-related failure, the Safety Manager, along with the PM, will immediately shut down the immediate operation and cordon-off the area. No personnel, including adjacent public, will be permitted in the area until evaluated and determination is made on corrective action.

14.0 Utility Strike

Walsh/SBI JV Construction will follow Walsh/SBI JV HSE Manual, Section 27 - Trenching and Excavation SOP, as well comply with OSHA 29 CFR Subpart P regarding the identification of underground utilities. Per NYS law, DigSafe 811 (800-962-7962) will be notified prior to excavation or other ground intrusive activities. Walsh/SBI JV will verify all known utilities have been marked out. Walsh/SBI JV may also utilize a private utility location firm to assist in locating other possible utilities.

During the course of excavation activities, a marked utility has been uncovered and damaged, Walsh/SBI JV will immediately notify 811 and HRCG Representative. Work will stop and an assessment of the extent of damage will be performed by the PM and Safety Manager. Depending on the extent of damage and the impact to facilities or operations, Walsh/SBI JV will schedule repairs if within capabilities or bring on a contractor qualified to perform the repair work.

If the damaged utility results in release of a hazard substance, toxic gas or vapor, or possess a risk of electrocution or explosion to the workforce, all work will cease, and an evacuation will be implemented.

15.0 Vehicle *I* Equipment Damage

HRCG or other Publicly Owned Vehicles (POV) or equipment that are damaged during the course of construction activities will be addressed in the same manner as a “property damage” scenario. If an individual operating the vehicle or equipment are involved, then Walsh/SBI JV will notify the HRCG and inform of a possible personal injury event. Walsh/SBI JV, to the best of our ability, will secure the scene prior to arrival of NYPD. Walsh/SBI JV will relinquish control of the incident scene to the proper authorities and be available to support of provide information upon request. The Walsh/SBI JV PM will immediately notify Walsh/SBI JV management and corporate council depending on the circumstances.

16.0 Incidents Involving the Public

If an incident involves pedestrians, cyclists, or the riding public Walsh/SBI JV will immediately inform the HRCG of the situation. Walsh/SBI JV personnel involved will be removed from the immediate scene and secured for interview and possible testing (i.e., drugs / alcohol). Walsh/SBI JV, to the best of our ability, will secure the scene prior to arrival of NYPD. Walsh/SBI JV will relinquish control of the incident scene to the proper authorities and be available to support of provide information upon request. The Walsh/SBI JV PM will immediately notify Walsh/SBI JV management and corporate council depending on the circumstances.

17.0 Spill or Release Contingency Plan (land and marine)

When a spill or release has been discovered:

- Immediately notify your supervisor who will call the HRCG Representative to report the emergency. Contact the Walsh/SBI JV safety representative and then evacuate the area without delay, and report to assigned assembly area by Walsh/SBI JV office trailer.
- Spills in the waterway will require notification to the NYS DEC and National Response Center (NRC).
- Report the exact location, product name or type, and approximate quantity of the material released.
- If a release occurs, the area may be evacuated. This decision will be based on the material and size of spill.
- Accountability procedures will be followed in the event of an evacuation.
- If the severity of the release warrants an evacuation of adjacent areas, such action will be initiated by the site Emergency Coordinator.

Spill and discharge control measures include:

- Provide for secondary containment where required by regulation or contract, and where a spill could result in significant hazard or economic loss;
- Provide other appropriate engineering controls to prevent environmental releases to the ground, water or air. These will be identified in JHAs or environmental permits (or equivalent).
- Deploy containment booms to contain spill and apply absorbent pads / socks, etc. to begin clean up;
- Provide equipment and personnel to perform emergency measures to mitigate spills and control their spread;
- Containerize and dispose of contaminated materials in accordance with local / State environmental regulations; and
- Provide a decontamination program to clean previously uncontaminated areas.
- Spill Kit shall include at a minimum:
    a. Absorbent materials (i.e., Speedi-Dri)
    b. Oil absorbent pads
    c. Oil absorbent boom
    d. Containment boom (marine)

e. Personal Protective Equipment (Glasses, gloves, etc.)
f. First aid kit
g. Disposal bags
h. Duct tape
i. Polypropylene rope
j. Over pack barrel/drum

In the event of a spill or release, Walsh/SBI JV will:

- Notify the client representative immediately;
- If, depending on the nature, quantity and severity of the spill, notify the USCG, State or Local Spill Hotline
- Take immediate measures to control and contain the release, including contacting local emergency service providers;
- Isolate and contain hazardous release areas;
- Deny entry to the spill area to unauthorized personnel;
- Do not allow anyone to touch spilled material;
- Stay upwind, keep out of low areas;
- Keep combustible materials away from the spilled material;
- Use water spray to reduce dust, as needed;
- Collect samples for analysis to determine that cleanup is adequate, if requested by the client or regulator;
- If the release is from tanks, prevent the discharge from traveling beyond site boundaries; and
- Take caution when handling drums and containers (opening, sampling, and over packing).

18.0 Earthquake

During the earthquake:

- If indoors, be alert for falling objects, such as light fixtures, plaster, bookcases, and filing cabinets. If threatened by a falling object, crawl under a desk or table located in a strong comer away from windows or move to a strong doorway. Do not panic. Do not attempt to rush outside.
- If outdoors, avoid buildings, walls, power poles, and other tall objects. Do not run through the streets. If driving an automobile, stop in the safest place possible. Move to a safe, open area.

After the quake:

- Check for any personal injury.
- Look for fires or fire hazards; examine utility lines and equipment for damage. De-energize nonessential electrical equipment. Do not smoke or use flame-producing devices until gas leaks have been ruled out
- Avoid drinking potable or tap water until determined safe.

19.0 Severe Weather

In the event of a severe storm warning, the Walsh/SBI JV will:

- Secure outside equipment and materials and place materials that could be damaged in protected areas. A Severe Weather Checklist shall be used to guide the team to prepare for and verify the site is ready for the impending storm.
- Check surrounding area, including roof, for loose material, equipment, debris, and other objects that could be blown away or against existing facilities.
- Ensure that temporary erosion controls are adequate.

19.1 Hurricane *I* Tornado

During the hurricane / tornado:

- If indoors, personnel should take cover in the basements of buildings. If the building does not have a basement or if the basement area cannot be used for operational considerations, the bottom or ground floor is the safest area, preferably in a small closet or hallway nearest the center of the building, away from windows and under heavy furniture, if possible. Trailers and other mobile structures should be vacated.
- All operations on or near waterways are to secure all materials that could become airborne or float away from storm surge or high tide. Utilize landside connex containers to secure and store materials. All cranes and mobile equipment shall be placed in a neutral position and secured to the barge deck. Fuel pods shall either be secured to the barge deck or placed the land in a designated and secured location.

After the hurricane / tornado:

- Check for personal injury.
- Look for fires or fire hazards.
- Be alert for dangers such as loose electrical and high voltage wires; damaged structures; broken or cracked gas lines that may be releasing flammable, toxic, or inert gas. De-energize nonessential electrical equipment. Do not smoke or use flame-producing devices.
- Report findings. Determine status of site utility services in affected facilities. Service lines (e.g., gas, water, steam, air, or nitrogen) may be ruptured and prove to be a major hazard. If leaks are discovered, isolate the system until repairs can be made.

19.2 Flooding

- Notify your supervisor of any flooded areas.
- A void areas subject to sudden flooding.
- Do not attempt to cross a flowing stream that is above your knees.
- Do not attempt to drive over a flooded road.
- Do not attempt to enter a flooded building (emergency response personnel are equipped for this).

19.3 Lightning and Other Severe Weather Situations

In the event of Lightning or other severe weather situations the following precautions must be taken:

- Initiate the Walsh/SBI JV adopted NOAA Lightning Action Plan. A designated person shall monitor the storm from lightning strikers (within 10-mile radius) using a Lightning APP (i.e., My Lightning Tracker) and will begin the 30-min count from the initial or subsequent lightning strike(s).
- Seek shelter immediately in rubber-tired vehicles / equipment, or office trailers or other finished buildings.
- Notify all project personnel of severe weather forecast and seek shelter.
- DO NOT CLEAN UP WORK SITE OR PUT AWAY MATERIALS OR EQUIPMENT PRIOR TO SEEKING SHELTER.
- After the all-clear is given, and supervisors pass the word on to workers, work can then resume. The all-clear notification will be determined jointly by Safety and Operations. The Safety Manager will initiate the all-clear directive.

20.0 Bomb Threat

In a scenario where there is a bomb threat made directly on the project Walsh/SBI JV PM / Safety Manager will immediately inform Enstructure/DSPC. Upon receiving the threat Walsh/SBI JV will:

Recipient of a telephone bomb threat:

- Obtain as much information as possible with as much accuracy as possible.
- Immediately notify your supervisor.
- Attempt to keep the caller talking. Try to determine:
    - > Location of the suspected bomb
    - > Time of detonation
    - > Size, type, and arming device
    - > Who planted the device, why, and how
    - > Where, when, and under what circumstances the device was planted
    - > Who gave this information to the caller

Recipient of a written threat:

- Protect and preserve the written communication.
- Immediately notify your supervisor.

Recipient of personal contact:

- Obtain as much information as possible with as much accuracy as possible from the person to whom you are talking.
- Immediately notify your supervisor.
- Detain the person, if possible, without a show of force. If this is not possible, attempt to obtain identification and address.

Discovery of a bomb, device, or suspicious object:

- Ensure that the object is not disturbed or moved
- Immediately notify your supervisor
- Control access to the area

21.0 Violent Employee

Report threats, acts of aggression or acts of violence to your supervisor. If an employee is exhibiting violent behavior, such that may reasonably be expected to cause death or serious bodily harm, the threatened employee should immediately evacuate the area via the quickest route possible and go to the nearest phone to notify either base or local police (Dial 911) and contact his/her supervisor.

Walsh/SBI JV PM / Safety Manager will inform HRCG of the incident and communicate if the event requires further support.

21.1 Active Shooter

Upon receiving notification of an active shooter the PM / Safety Manager shall inform the team. Depending on the type, number, and location of field activities, the PM / Safety Manager shall inform the team to:

- Avoid (run) - evacuate to a safe location;
- Barricade (hide) - shelter in-place in a secure area or location that can be isolated from the shooter. Cell phone must be silenced and only use text messaging; or
- Confront (fight) - Remain silent, cell phones off. If confronted by the shooter, overpower with force

22.0 Emergency Alerting and Response Notification

22.1 Emergency Alerting on Site

An employee alarm system will consist of the use of verbal instructions, either directly or via mobile phone or 2-way radio.

The following instructions/alerts may be given:

Shelter-in-place.
Sheltering-in-place is the primary protective action in response to most hazardous material releases. Notification of shelter-in-place normally will be announced over the emergency notification system. Sheltering-in-place requires employees to:

- Go indoors immediately.
- Close all windows and doors.
- Turn off all sources of outdoor air (fans, air conditioners, ventilation system).
- Initiate attempt to minimize outside air infiltration (i.e., seal all doors, windows, outlets, light switches, and so forth with tape and plastic).
- Shut down equipment and processes as necessary for safety.

- Remain indoors and listen for additional information on the emergency notification system.

Take Cover.
Taking cover means that employees should seek refuge in a strong, sheltered part of the building. If outdoors, personnel should avoid taking refuge in temporary structures (e.g., trailers, motor vehicles).

Evacuation to Offsite Locations.
If onsite personnel are directed to evacuate the site, directions on the specific evacuation routes will be given at rally point.

- The site evacuation and possible shutdown instructions will be given at the meeting place or Walsh/SBI JV office trailer.
- When the site evacuation is directed, personnel should follow instructions.
- If a shutdown is directed, proceed according to the appropriate operating procedures.
- Those employees not responsible for shutdown activities should leave the site immediately.
- When the shutdown is complete, personnel who participated in the shutdown should leave the site immediately.
- After a site evacuation, employees should monitor local radio and television stations. These media may be the only communication with employees available to the site.

NOTE: DO NOT re-enter site or building area without the specific approval of the local Emergency Response Coordinator or Walsh/SBI JV Emergency Coordinator.

22.2 Off-site Notification

Telephones will be used to contact off-site emergency responders. Contact lists, included in this APP, will be posted in the site offices, and a copy will be kept in site vehicles. The following information will be communicated:

- Name of the person reporting the emergency;
- Telephone number at the location of the person making the call;
- Name of the injured person, if known;
- Description of the emergency;
- Exact location of the emergency;
- Actions already taken; and
- What assistance is needed?

23.0 PPE and Emergency Equipment

23.1 Personal Protective Equipment (PPE)

PPE required for any work on the site includes ANSI approved safety to footwear, eye protection and head protection. Sleeved shirts and long pants will be worn at a minimum. Employees exposed to heavy equipment or vehicular traffic will wear ANSI/ISEA Class 2 high visibility garments.

23.2 Emergency Supplies

At a minimum, the following emergency supplies will be immediately available for on-site use:

- First aid equipment and supplies;
- Emergency eyewash station as per ANSI Z-358.1 if exposure to corrosive materials is present;
- Bloodborne Pathogen PPE;
- Spill control material and equipment;
- Radio and Cell phone;
- Type ABC fire extinguisher, 20 lb. capacity, minimum of two; and

Each field team will have quick access to a first aid kit, fire extinguisher and communications equipment. Additional emergency response equipment will be located at the field office.

For Marine-based spills the following emergency supplies will be readily available to deployment:

- Containment booms;
- Quick-Response Kit including - Absorbent booms, pads;
- Disposal bags or drums (containerize absorbent materials);
- Chemical resistant coveralls, boots and hand protection;
- Radio (Marine channel) and Cell phone;
- Type ABC fire extinguisher (20-lb.)

24.0 Prevailing Weather Conditions

The Safety Manager will monitor the daily weather forecast and post the forecast in the field office. Forecasts for severe weather conditions will be communicated to the project team at the beginning of the day. Severe weather forecasts will be monitored throughout the day and updates communicated to the project team, as necessary.

25.0 Reporting Procedures

All emergencies will be immediately communicated to the site superintendent and Safety Manager who will initiate emergency response procedures mentioned above and open up communications with local emergency services and/or medical facilities.

After the response, Walsh/SBI JV will prepare an Incident Report. It will include such things as a chronological history of the emergency, facts, action, personnel present, sample results (if taken), summary of injuries, and possible exposures. For spills and releases it will also include:

- Description of material spilled, including identity, quantity, and a copy of the SDS or waste disposal manifest;
- Exact time and location of the spill, and the description of the area involved;
- Containment procedures utilized;

- Description of the cleanup procedure employed at the site, including disposal of spill residue; and
- Summary of the communications Walsh/SBI JV had with other agencies.

This report will be made available to the client upon request.

26.0 Training

Walsh/SBI JV will communicate this Emergency Response program to project employees and subcontractors, and visitors, and provide information about where all employees are to respond to (safe zones designated prior to the start of any work on site), who and what roles employees will play during such emergencies. Walsh/SBI JV will communicate employee information and training programs as detailed in this written emergency response program.

Emergency Response plan will be kept in a conspicuous location (Walsh/SBI JV job trailer, break trailer, etc.) at all times. Additional postings will include the Emergency Numbers list and directions to the nearest medical facility.

The Safety Manager, Project manager, Construction Manager, and/or superintendent are responsible for the initial communication of this program and its requirements prior to the start of any work and again as new employees and or team members are brought on to the site prior to the start of their duties.

The Emergency Response Plan will be discussed during initial site training and discussed regularly during the Safety Huddle Meetings. The Safety Manager will conduct drills bi-annually, or more frequently if conditions change and evaluate the response testing the effectiveness of the plan. Consideration shall be given to inclusion of the local emergency responders to participate or observe the response. A critique of the drill should be documented.

Any modifications to this plan as a result of a critique of a drill or actual emergency, will be communicated to all site personnel a tailgate safety meeting, and will be incorporated into the site orientation for new workers.

26.1 Response Drill

At a minimum, one (1) Emergency Response Drill shall be implemented each calendar year. The Safety Manager will develop the drill and coordinate with the Project Manager regarding the scenario and resources needed. All marine-based operations must conduct an annual “Man Overboard” drill. In addition, marine-based operations shall develop a paper exercise for an environmental release into a navigable waterway.

HOSPITAL / MEDICAL CLINIC ROUTE MAP

Google Maps

Lighthouse Rd, Edgemoor, DE 19809 to Saint Francis Hospital Emergency Room, 701 N Clayton St, Wilmington, DE 19805

Drive 5.1 miles, 17 min



Imagery ©2025 Airbus, Landsat / Copernicus, Maxar Technologies, Map data ©2025 Google 2000 ft

Lighthouse Rd
Edgemoor, DE 19809

Take Hay Rd and E 12th St to N Rodney St in Wilmington

13 min (4.6 mi)

T 1. Head north on Hay Rd toward Lighthouse Rd
A Partial restricted usage road

1.6 mi

? 2. Hay Rd turns slightly right and becomes E 12th St

1.3 mi

↰ 3. Turn left onto Northeast Blvd

387 ft

t 4. Continue onto N Spruce St

0.2 mi

r> 5. Turn right onto E 10th St

0.3 mi

r> 6. Turn right onto N Walnut St

0.1 mi

↰ 7. Turn left at the 2nd cross street onto E 12th St

O.5 mi

T 8. Continue onto Delaware Ave

0.3 mi

↑ r> Continue onto Pennsylvania Ave

I v. uonunue oriiu rennsyivdriid Mve

0.3 mi

Continue on N Rodney St. Drive to N Clayton St

3 min (0.5 mi)

10. Turn left onto N Rodney St

0.4 mi

11. Turn right onto W 7th St

410 ft

12. Turn right onto N Clayton St

O Destination will be on the left

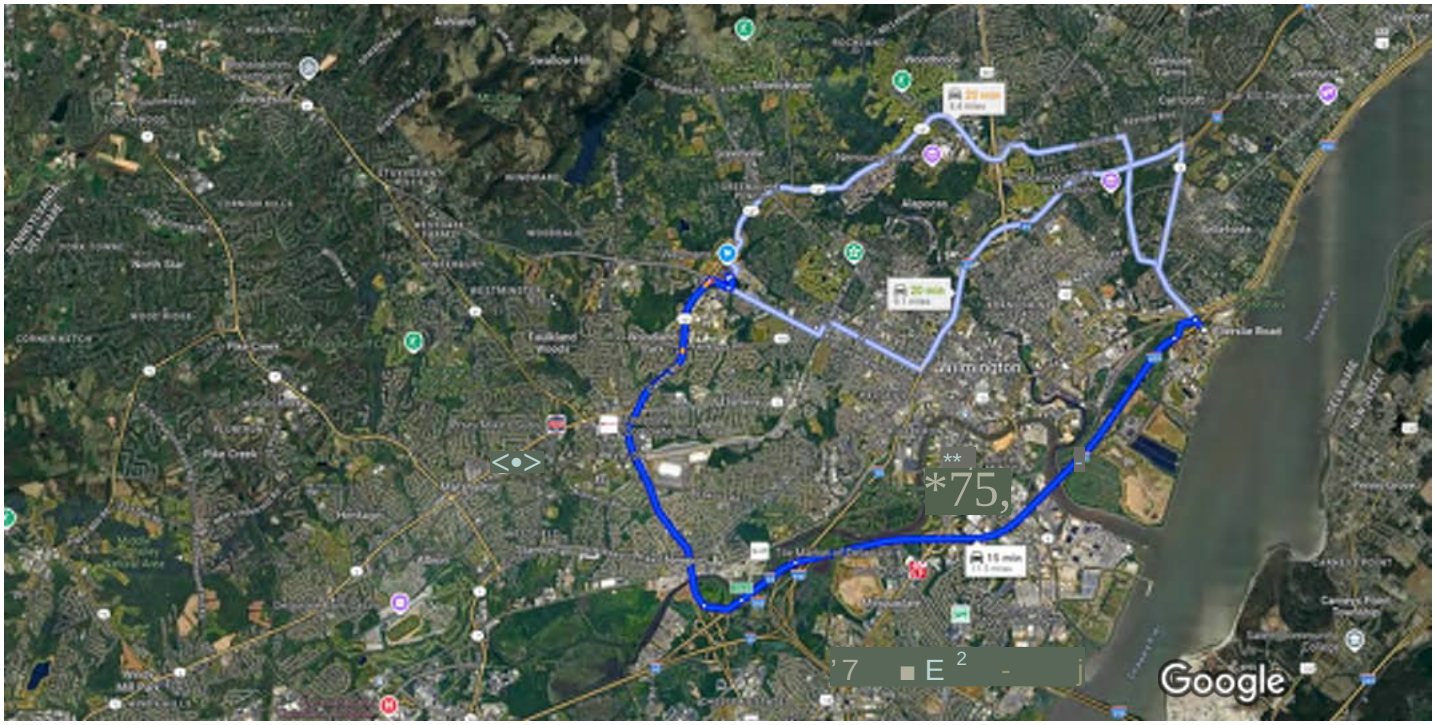
151 ft

Saint Francis Hospital Emergency Room
701 N Clayton St, Wilmington, DE 19805

Google Maps

Ellerslie Rd, Edgemoor, DE 19809 to ChristianaCare-GoHealth Urgent Care, 360 Buckley Ml Rd Suite B, Greenville, DE 19807

Drive 11.5 miles, 15 min



Imagery ©2025 Airbus, Landsat / Copernicus, Maxar Technologies, Map data ©2025 Google 1 mi

Ellerslie Rd
Edgemoor, DE 19809

Get on I-495 S

2 min (0.5 mi)

T 1. Head northwest on Ellerslie Rd

Restricted usage road

16 ft

T 2. Continue onto Edgemoor Rd

Partial restricted usage road

0.1 mi

X 3. Turn left to merge onto I-495 S

0.4 mi

Continue on I-495 S to DE-141 N. Take exit 5A-B from I-95 S

6 min (6.4 mi)

X 4. Merge onto I-495 S

5.2 mi

5. Use the right lane to merge onto I-95 S toward Newark/Baltimore

0.7 mi

k* 6. Use the right lane to take exit 5A-B toward

Newport

0.4 mi

Continue on DE-141 N to your destination

7 min (4.6 mi)

7. Merge onto DE-141 N

4.1 mi

8. Turn right onto DE-100 S/DE-48 E

0.2 mi

9. Use the left 2 lanes to turn left

0.1 mi

10. At the traffic circle, take the 2nd exit onto Barley Mill Plaza

335 ft

11. Turn left onto Buckley Ml Rd

72 ft

12. Turn right

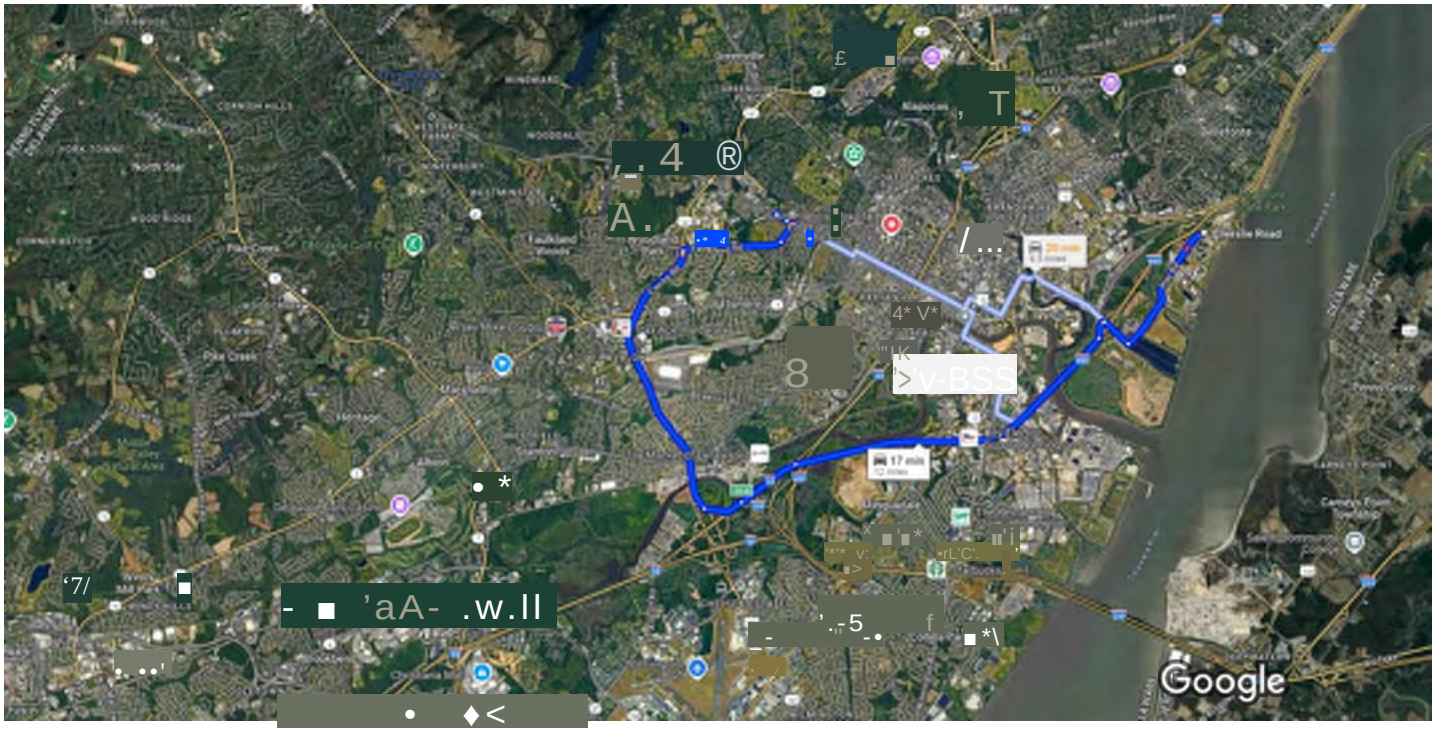
72 ft

ChristianaCare-GoHealth Urgent Care
360 Buckley Ml Rd Suite B, Greenville, DE 19807

Google Maps

Ellerslie Rd, Edgemoor, DE 19809 to Concentra Urgent Care, 3301 Lancaster Pike Ste 31/J, Wilmington, DE 19805

Drive 12.0 miles, 17 min



Map data ©2025 , Map data ©2025 Google 1 mi

Ellerslie Rd
Edgemoor, DE 19809

Continue to Wilmington

4 min (2.1 mi)

T 1. Head north on Hay Rd toward Lighthouse Rd

A **Partial restricted usage road**

1.6 mi

? 2. Hay Rd turns slightly right and becomes E 12th St

0.4 mi

3. Turn left

0.2 mi

Continue on I-495 S. Take DE-141 N to DE-34 E/Faulkland Rd

9 min (8.3 mi)

4. Merge onto I-495 S

3.8 mi

5. Use the right lane to merge onto I-95 S toward Newark/Baltimore

0.7 mi

6. Use the right lane to take exit 5A-B toward Newport

0.4 mi

X 7. Merge onto DE-141 N

3.3 mi

Continue on DE-34 E/Faulkland Rd to your destination

4 min (1.6 mi)

r* 8. Turn right onto DE-34 E/Faulkland Rd

1.1 mi

9. Turn left onto DE-100 N/S Dupont Rd

0.2 mi

10. Turn left onto Lancaster Ave

417 ft

T 11. Continue onto DE-100 N/DE-48 W/Lancaster Pike

0.1 mi

r> 12. Turn right

69 ft

? 13. Slight right

108 ft

14. Turn left

O Destination will be on the right

66 ft

Concentra Urgent Care
3301 Lancaster Pike Ste 31/J, Wilmington, DE 19805

APPENDIX F

EXCAVATED MATERIAL HANDLING CONTINGENCY PLAN (EMHCP)

Excavation and Materials Handling Contingency Plan (Phase 1)

Date:	February 2026 Revised March 2026 Revised May 2026
Client:	Enstructure DCT LLC/DSPC - a Walsh/SBI JV in contract with Enstructure
Project Name:	Delaware Container Terminal Edgemoor Planning & OR Support
State Permit No.:	HW31B04
US EPA ID No.:	DED000800284
Project No.:	T2484300b
Attention:	Katie Faulkner
Company:	State of Delaware Department of Natural Resources and Environmental Control - Remediation Section
Prepared By:	Jacobs
Document No.:	251117190219_2a8d097c
Copies To:	Walsh: Brian Midlick and Andrew Saunders Enstructure: Diego Lopez and John Reece DSPC: Brian Devine

Jacobs Engineering Group Inc.
Two Commerce Square
2001 Market Street
9th Floor - Suite 900
Philadelphia, PA 19103
T +1.215.569.2900
F +1.215.569.5963
www.jacobs.com

1. Introduction

This Excavation and Materials Handling and Contingency Plan (Plan) aims to provide environmental guidance for excavation activities, work in the subsurface environment, and the handling of excavated materials during the development of the Delaware Container Terminal (DCT) at the Former Chemours Edgemoor Plant in Wilmington, Delaware, (Site) during Phase 1 development. This Plan is based on the current understanding of environmental conditions that exist or may be encountered at the Site. It prioritizes onsite reuse by minimizing offsite disposal in accordance with the Department of Natural Resources and Environmental Control (DNREC) Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's) Final Decision and Response to Comments (FDRTC or Final Decision) for the Site (DNREC, 2021).

The Plan should be viewed as a living document that is updated, as necessary, when new information concerning the Site becomes available.

1.1 Site Background

The Site consists of the following two tax parcels along Hay Road in Wilmington, Delaware:

1. Tax Parcel Number (No.) 06-153.00-006 (112 acres)
2. Tax Parcel No. 06-153.00-003 (2.08 acres)

Both tax parcels are regulated under the *Resource Conservation and Recovery Act's* (RCRA's) Facility Program, as administered by DNREC. The smaller parcel was previously part of the DNREC-RS's Voluntary

Cleanup Program, identified as Program Identification (ID) No. DE-1489, but was transferred to DNREC's RCRA Program on May 7, 2015. Both parcels are now identified as part of the Former DuPont Edge Moor RCRA Facility with U.S. Environmental Protection Agency (EPA) ID No. DED000800284. A Post-Closure Care Plan (PCCP) (PCCP State Permit No. HW31B04) is in place for four surface impoundments on the larger tax parcel, identified as RCRA Solid Waste Management Units (SWMUs) 6A, 6B, 6C, and 6D (identified as Zone 1A in this Plan). In Zone 1, the Site is regulated by Title 40 *Code of Federal Regulations* (CFR) 1910.120(a)(1)(ii), Hazardous Waste Operations and Emergency Response (HAZWOPER), in accordance with the Occupational Safety and Health Administration (OSHA). If Zone 2 materials are found to be impacted based on the criteria specified in Section 3 of this report, areas within Zone 2 will be managed and regulated in the same manner as Zone 1.

The larger of the parcels contains the former Chemours Edgemoor Plant, which operated as a pigment manufacturing facility from 1931 until 2016 and produced titanium dioxide, titanium tetrachloride, and ferric chloride (Verdantas 2023). This industrial use resulted in the establishment of several RCRA SWMUs in addition to Zone 1A (SWMUs 6A to 6D) (Attachment 1). Per the Final Decision, certain SWMUs have been investigated and determined to have acceptable risk, while others require management in accordance with this Plan. This Plan groups SWMUs in zones, per the status described in the Final Decision. However, excavation and subsurface work within any SWMU should proceed with caution and appropriate contingency planning. Areas outside the SWMUs have not been investigated, and conditions are unknown. Excavation and subsurface work at the Site are to proceed with continuous monitoring for environmental conditions of concern.

The smaller, 2-acre parcel, contains a portion of the former Holland Mulch Site (HMS). The HMS was once part of an oil recycling facility. Manufacturing activities are not known to have occurred on this parcel (Verdantas 2023). Based on previous investigations of this parcel, anticipated environmental conditions of concern are soil impacted by benzo(a)pyrene and arsenic and groundwater impacted by trichloroethylene. The HMS site is not part of current plans for Site redevelopment (other than use for parking/temporary trailer office space), and no soil-disturbing activities are anticipated.

1.2 Plan Limitations/Updates

This version of the Plan is an update of the August 2023 Plan[1], which was prepared by Verdantas and approved by DNREC in September 2023 and was later revised by Verdantas in April 2025 to address only demolition-phase activities at the Site.

This current Plan addresses excavation and subsurface work during the Phase 1 development of the DCT, including the installation of a Sediment and Stormwater Management Plan (Attachment 2). The limit of disturbance in Phase 1 does not include RCRA SWMUs 6A, 6B, 6C, or 6D (all part of Zone 1A of material management). These areas will not be disturbed during Phase 1 of construction; therefore, the management of materials in Zone 1A is not part of this Plan.

2. Summary of Site Environmental Information

Before Jacobs, Verdantas (formerly Duffield Associates) was contracted by Diamond State Port Corporation to undertake previous planning, permitting, regulatory approvals, design, and project support. Verdantas is currently contracted with Diamond State Port Corporation to support the DCT's development.

[1] Excavation and Materials Handling and Contingency Plan, August 2023, prepared by Verdantas and approved by the State of Delaware, DNREC by correspondence dated September 26, 2023.

Additional consultants, including Parsons and Dupont Corporate Remediation Group, also performed Site investigations.

For this Plan, the Site has been divided into the following four zones based on historical uses, reported environmental issues, and potential risks to human health and the environment posed by those environmental issues:

- Zone 1A: RCRA SWMU 6 areas that require further action or may contain waste
- Zone 1: SWMUs that require further action or may contain waste
- Zone 2: Areas determined to have acceptable risk
- Zone 3: Soils in contact with groundwater

Excavation work in Zone 1 will likely encounter substances of environmental concern. While Zone 2 has a status of having acceptable risk, unanticipated environmental conditions may be encountered during excavation. If excavations extend into Zone 3, worker contact with substances of environmental concern is likely. Attachment 1 shows Zones 1 and 2, including the SWMU locations.

As part of the RCRA Part B Permitting Process in 1986, EPA and DuPont developed a list of 29 SWMUs at the Site. By 2001, a Consent Order was issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA Corrective Action Plan (CAP) and address previously identified SWMUs. By January 2002, a Closure Plan was submitted to DNREC for Solid Waste Impoundments A, B, C, and D, identified as SWMU 6, which described a plan to neutralize and stabilize waste onsite and then cover the stabilized waste with a geosynthetic liner. The PCCP was approved by DNREC in April 2003, and by March 2004, the closure of the impoundments was completed. This area is identified as Zone 1A.

DuPont and a prior Consultant (Parsons) prepared a facility-wide CAP (DuPont 2003) and performed two RCRA facility investigations (DuPont 2009 and Parsons 2011), a risk analysis (Parsons 2013), and a Corrective Measures Study (Parsons 2013) to determine the status of the SWMUs, apart from SWMU 2 and SWMU 6.

Decision-making for SWMU status was based, in part, on a human health risk analysis by Parsons for contaminants of concern (COCs) in soils within certain SWMUs at concentrations that required further risk assessment (Parsons 2013). Parsons calculated total cancer risk (CR) and total Hazard Index (HI) for industrial worker and construction worker exposures to COCs in soils within these SWMUs at the Site. The results were compared to DNREC's acceptable risk level of 1.0E-05 and HI of 1 (Table 1).

Table 1. Total Excess Cancer Risk Characterization Results (Parsons 2013)

SWMU	Industrial Worker CR	Construction Worker CR	HI
SWMUs 1 and 3	3E-06	7E-07	0.96
SWMU 4	2E-06	3E-08	N/A
SWMU 5	8E-06	3E-06	0.1
SWMU 18	1E-06	2E-08	N/A
SWMU 20	N/A	-N/A	0.0006
SWMU 23	N/A	3E-07	0.037
SWMU 27	N/A	3E-08	N/A

N/A = not applicable

As the results indicate, the total excess CRs estimated for industrial and construction workers under the Reasonable Maximum Exposure scenario in SWMUs 4, 5, 18, 20, 23, and 27 and under the Central

Tendency exposure scenario (that is, mean) for SWMUs 1 and 3 are less than the regulatory levels of 1.0E-05 and 1 for cancer and non-cancer risks. Therefore, the estimated exposure is not expected to result in unacceptable risks for these receptors. The human health risk assessment was performed assuming an industrial worker will work 8 hours, 20 days per year, and a construction worker will work 24 hours per day, 7 days per week, 50 weeks per year. The exposure factors used in the risk assessment are the default values published in the Office of Solid Waste and Emergency Response Directive 9200.1-120 titled *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors,* dated February 6, 2014 (EPA 2014).

The exposure assumptions used in the risk assessment must not be exceeded. If working hours deviate from the assumptions used in the risk calculation, the risk assessment will be reevaluated to determine whether the risk to workers changes with the change of exposure duration. If a change of exposure assumptions occurs, DNREC-RS will be informed, and the risk assessment results will be discussed with, and approved by, DNREC-RS before work within such areas continues.

The following terms are used throughout this Plan:

- Competent Person: Someone who is aware of the Site hazards, aware of Site history, onsite during soil-disturbing activities for monitoring, authorized to stop work, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER).
- Environmentally impacted materials: Materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

2.1 Zone 1/Zone 1A: Solid Waste Management Units That Require Further Action or May Contain Waste

This section describes SWMUs in Zone 1 and Zone 1a that require further action or may contain waste.

2.1.1 Zone 1A: Solid Waste Management Unit 6 Areas that Require Further Action or May Contain Waste

SWMUs 6A, 6B, 6C, and 6D areas are considered a part of Zone 1, but have special requirements, so are labeled Zone 1A. No Site work will occur in Zone 1A during Phase 1 of construction. This Plan will be updated to address activities in Zone 1A at a later date.

2.1.2 Zone 1: Solid Waste Management Units that Require Further Action or May Contain Waste

Based on the findings from prior investigations and assessments, except for SWMU 6, the following SWMU identified on the Site requires further action:

- SWMU 1: Wastewater Treatment System - surface water only
  - Recommendations for the handling of SWMU surface water are discussed in Section 5.2 and shown on the Surface Water Testing Decision Matrix in Attachment 3

Based on the findings of prior investigations and assessments, the soils outside SWMU 2 have special testing and disposal requirements because of elevated levels of lead (refer to Section 5.1.4.2).

Attachment 1 shows these soils as SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, along the western and eastern edges of SWMU 2.

The following SWMUs received no further action and have acceptable risk but were identified as potentially containing waste material:

- SWMU 4: Former Trash Landfill
- SWMU 5: Waste Settling Area
- SWMU 20: Former Fuel Oil Aboveground Storage Tanks

Assessments of subsurface conditions in the SWMU 4 and SWMU 5 areas have indicated COCs are present in Site soils, but at concentrations that were determined acceptable under construction worker and industrial worker exposure scenarios. An assessment of subsurface conditions in SWMU 20 had a limited analytical program, and SWMU 4 soils reportedly were placed in SWMU 20 in 2005, so results of the risk assessment are assumed to not fully represent environmental conditions.

2.2 Zone 2: Areas Determined to Have Acceptable Risk

Zone 2 consists of Site areas that are outside the bounds of SWMU 6 and the four SWMUs listed in Zone 1. In accordance with the FDRTC, the areas outside Zone 1 reportedly present no conditions of concern to human health, but a sitewide characterization of soils was not performed. The following SWMUs have acceptable risk; however, the potential to encounter environmental concerns may occur during Site-disturbing activities:

- SWMU 1: Wastewater Treatment System (sediment only)
- SWMU 2: Pond E (Effluent Holding Basin) (sediment and surface water only)
- SWMU 3: Waste Mixing Area and Split Box
- SWMU 7A: Building 23 Polychlorinated Biphenyl (PCB) Storage Area
- SWMU 7B: Kiln 2 PCB Storage Area
- SWMU 8: Former Less-Than-90-Day Hazardous Waste Accumulation Area
- SWMU 9: Hazardous Waste Accumulation Pad
- SWMU 10: Eastern Shore Area
- SWMU 11: Drainage Culvert
- SWMU 12: Emergency Overflow Basin
- SWMUs 13A and 13B: Process Sewers
- SWMU 14: Underground Pipelines
- SWMU 15: Former Unpaved Ditch
- SWMU 16: Scrap Metal Area
- SWMU 17A: Former Underground Storage Tanks (USTs) - 1, 2, 3, 4, B, C, F, and G
- SWMU 17B: Former USTs - 6, 7, 8. 1, J, K, and L
- SWMU 18: Iron-Rich Staging Area
- SWMU 19: Iron-Rich Filter Press Building
- SWMU 21: Copper Vanadium Sludge Pad
- SWMU 22: Ferric Chloride Tank Truck Loading Spot
- SWMU 23: Recovered Ore Storage Area
- SWMU 24: Oil-Water Separator/Skimmer
- SWMU 25: Ferric Chloride Railcar Loading Area
- SWMU 26: Titanium Dioxide Railcar Loading Area
- SWMU 27: Fuel Oil-Stained Soil
- SWMU 28: Caustic Storage Area
- SWMU 29: Southland Tank
- HMS

2.3 Zone 3: Materials Within the Groundwater Table

Site groundwater was encountered between 12 and 31 feet below ground surface. According to environmental assessments at the Site and as summarized in the FDRTC, a clay unit is present near the surface that limits the extent of a shallow permeable unit, and groundwater is not present within the shallow zone of most of the Site. Analytical results for groundwater samples from across the Site indicated metals are the primary constituent of concern.

3. Excavation and Subsurface Work

Regulatory agency notification requirements vary by zone. The Site Owner or authorized representative must proceed with caution for excavation work in SWMUs that Require Further Action (Zone 1). Before subsurface work begins in Zone 1, Contractors should review the following documentation for additional background and substances of concern identified in the SWMUs:

- FDRTC (DNREC, 2021).
- Statement of Basis and Corrective Action Permit (DNREC, 2021).
- Previous Phase I and Phase II RCRA Facility Investigations (Dupont 2009 and Parsons 2011).
- Draft Risk Analysis prepared by Parsons on behalf of DuPont (Parsons, 2013).

Excavation work is not anticipated to occur within the groundwater table (Zone 3) during the first phase of Site excavation and grading activities. Section 5 provides guidance regarding the handling of excavated materials.

Environmentally impacted materials are defined as materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. The location where the potentially environmentally impacted materials will be stockpiled is identified on the center portion of the Site to the west. This proposed stockpile location is paved. There is also a stockpile location at the southern end of the Site that is on an area of deteriorating pavement. This area may also be used to pile potentially environmentally impacted materials as long as the area is lined with polyvinyl plastic sheeting and the stockpile is covered with the sheeting. The stockpile on the northern end of the Site will not be used for potentially environmentally impacted materials and is on a pervious surface.

3.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in Zone 1 will be performed by personnel trained to recognize and react to conditions of environmental and human health concern, in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). A Competent Person must screen the excavation and excavated materials for conditions of potential concern using handheld instrumentation, including a photoionization detector (PID) with a 10.6-electron-voltage lamp energy, a flame-ionization detector (FID) or an x-ray fluorescence instrument, and a combustible gas meter. Visual observations will also include review for non-water liquids, solid waste, odors, and soil discoloration/staining while work is in progress.

The Competent Person must be aware of the Site hazards and Site history, and they must be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in

accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). At a minimum, excavation workers and the Competent Person engaged to screen excavating activities must wear Level D personal protective equipment (PPE) at the start of work. If screening results indicate that additional protection is warranted, workers will upgrade to Level C protection or cease work until conditions are further assessed. Based on the findings from prior investigations and assessments, Level C PPE is required during the excavation of materials with known hazardous concentrations of lead outside SWMU 2 (Attachment 1). Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 1 will be considered environmentally impacted (as defined at the beginning of this section). As such, excavated materials should be deposited on top of plastic sheeting (at Least 10 millimeters thick) and securely covered with plastic sheeting (at least 10 millimeters thick) at the end of each workday, or the materials should be placed in storage containers lined with plastic and covered with tarps at the end of each workday. The covering plastic should be anchored with weights or other restraints to ensure that it will remain in place in case of strong winds.

Before subsurface work takes place in Zone 1, Contractors and the Competent Person should review background information on SWMUs and potential substances of concern. At a minimum, during subsurface work, the Competent Person should be able to identify wastes in materials excavated from the SWMUs that differ from understood environmental conditions. If no substantial differences are identified and no waste is present, SWMUs can be backfilled with excavated materials.

SWMUs 4, 5, and 20 were identified as potentially containing waste. Materials excavated from these areas may contain solid wastes, titanium dioxide pigment, waste solvents, sulfate sludge, and iron-rich wastes. SWMU 20 will be disturbed during Phase 1, and SWMUs 4 and 5 will be partially disturbed during Phase 1. Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for these soils from SWMU 4, 5, and 20 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If these soils are found to be hazardous, the material requires disposal at a hazardous waste landfill. If the soils are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

RCRA SWMU Areas 6A, 6B, 6C, or 6D were also identified as containing waste and are part of Zone 1A, but will not be disturbed in Phase 1, and therefore management of materials in these SWMU areas will be provided at a later date.

Precautions must be taken, including using diversionary berms, to prevent stormwater runoff from entering excavations or stockpiles of excavated materials. Open excavations must be covered (with support) or lined with plastic sheeting to minimize the potential for precipitation to directly contact subsurface materials. If the excavation is lined and stormwater accumulates on the liner, the Competent Person will review the accumulated stormwater for indications of substances of concern, such as visible free-phase liquids on top of the pooled stormwater or visibly suspended sediment, before work resumes. If visible indications of concern are present, the accumulated water will be pumped from the excavation into containers of adequate volume and held for further assessment. If no visible indications of concern are present, accumulated water will be pumped from the excavation and discharged to the ground surface near the excavation.

If excavated materials exhibit different environmental conditions than what was previously identified, the stockpiled materials will be tested to evaluate material-handling requirements based on reported results (Attachment 3 provides a detailed decision matrix about when sampling and testing are required).

Excavated materials from specific Zone 1 locations will not be removed from that Zone 1 location or removed from the Site without an appropriate assessment of the environmental characteristics, including sampling and analytical testing. Section 5 provides additional guidance regarding handling excavated materials.

Based on the findings of prior investigations and assessments, soils outside SWMU 2, specifically soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-SO-D4, were identified with lead concentrations that exceeded the DNREC Screening Level of 400 milligrams per kilogram (Attachment 1). One sample, SWMU2-D0-D4, from 4 to 6 feet below the ground surface, was also reported with a Toxicity Characteristic Leaching Procedure (TCLP) concentration that exceeded the regulatory limit, so the soils in this sampling area are classified as hazardous if excavated. Currently, this area is secured and fenced, prohibiting unauthorized contact with the soil.

Before earth-disturbing activities begin, lead in the soils outside of SWMU 2 must be delineated, and DNREC-RS must be notified if grading activities require excavation in these areas. If earth-disturbing activities are not taking place in these areas as part of the Site's redevelopment, 2 feet of clean soil with an impervious liner will be placed over the areas with elevated lead concentrations to prevent human contact with the soil. This soil, with impervious liner, will remain as an interim layer before the final asphalt cap This recommendation is consistent with the RCRA Corrective Measures Remedy established in the FDRTC document, which identified capping as the primary measure to mitigate exposure to Site soils.

Soil in the areas outside of SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per kilogram is required before earth-disturbing activities. Where Lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils. Work that follows excavation, such as installing conductors or pipes, must be performed by workers appropriately trained for the actual conditions exposed by excavation. The Competent Person will screen the excavation to assess the location specific risk to worker health for the activities planned.

Most excavation work, bulk grading, utility installation, and sediment and stormwater control installations likely to occur in Zone 1 are not anticipated to intercept the groundwater table or require excavation below the groundwater table. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage the groundwater.

There are areas at the bank of the Delaware River, some within the tidal range elevations that include grading. These areas are mainly filled with minimal excavation to recontour before placing engineered fill for the bulkhead tieback supports. There is potential to encounter water during this work at or near the water edge. This water is hydraulically connected to the river and would not be considered groundwater, so would not need to be managed as such. If water encountered here during excavation is suspected of being groundwater (perched higher than the tidal elevation range), it will be managed as stated previously.

3.2 Zone 2: Areas Determined to Have Acceptable Risk

Excavation work in Zone 2 is anticipated to have low potential of encountering regulated substances at concentrations that are of potential human health or environmental concern. A Competent Person will monitor excavation work for indications of environmental or health concerns. The Competent Person must be aware of the Site hazards and Site history, and they will be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). The Competent Person will be equipped with instruments that can detect organic vapors and potentially combustible vapors to monitor conditions exposed during excavation. Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 2 will remain onsite and be used as fill near the location and within the zone they are excavated from unless screening indicates the potential for regulated substances to be present in the soils at concentrations of concern or the material appears to be environmentally impacted (refer to the definition in Section 2). Such indications would include chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings. In response to such observations, the excavated material will be sampled and tested to determine appropriate management options for the materials. Attachment 3 describes the decision matrices that can help determine when sampling and testing are required for soils, concrete/crushed stone/other materials, and groundwater.

If screening suggests the presence of substances of concern, such as chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings, subsurface work in that area must be stopped. Any evidence of a release during land-disturbing activities will require the Competent Person, or Owner's Representative, to notify the DNREC-RS within 24 hours using the 24-Hour Release Hotline (800-662-8802). Land-disturbing activities may continue on another part of the Site as long as it is not immediately adjacent to the area where there is evidence of a release. If evidence of a release is encountered at the new work area, work must again stop, and excavation activities must be moved elsewhere onsite where no evidence of a release is apparent. Evidence of a release includes, but is not limited to, the appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or presence of free product. Refer to DNREC-RS's *Guidance for Notification Requirements, and HSCA Reporting Level Table* document for more information (DNREC-RS 2025) in Attachment 4.

Most demolition activities, bulk grading, utility installations, and sediment and stormwater control installations are likely to occur in Zone 2 and are not anticipated to intercept the groundwater table or require excavation below the groundwater table, based on available information about the probable depths of groundwater at the Site.

3.3 Zone 3: Materials Within the Groundwater Table

Most work activities likely to occur in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. As noted in Section 3.1, there is potential to encounter tidal water during work at or near the water edge that is hydraulically connected to the river, but it is not considered groundwater and does not need to be handled as such.

4. Underground/Aboveground Utility and Storage Systems

Numerous underground, privately maintained, utility systems are present at the Site, including the following:

- High-voltage electricity lines
- Natural gas lines
- Steam and condensate lines
- Fire mains
- Potable water pipes
- Sanitary/industrial wastewater sewers and appurtenances
- Storm sewers, culverts, and appurtenances
- Pipelines that formerly conveyed materials from aboveground and underground storage
- Tanks to end use locations
- Former USTs that were abandoned-in-place

The facility has undergone multiple renovations during its period of use, which may have resulted in several generations of underground utility systems. The currently understood locations of utility systems are shown on design drawings. The utility locations on these drawings may not depict all buried utilities at the Site. Persons engaged in excavating or intrusive activities must work with care and caution during removal of existing utility systems unless they are designed to temporarily remain to minimize potential danger to themselves, coworkers, and the environment.

Persons responsible for excavation (Contractors, Consultants, or Owner) will request public utility clearance through the Miss Utility service. The Owner will arrange for marking and clearing private utilities within the work area. This effort may be performed by the Owner or a Contractor engaged for the purpose. These utility markouts and clearances will be completed before excavation starts, and the information will be reviewed with the persons responsible for excavation before excavation starts.

If USTs or associated piping is encountered during subsurface work, Contractors will immediately notify the Competent Person or Owner's Representative. The Competent Person or Owner's Representative will, in turn, notify DNREC-RS and DNREC-Tank Management Section. A licensed UST removal contractor will be engaged to properly drain, clean, remove, and dispose of encountered UST system components in accordance with the Delaware regulations governing UST Systems. Personnel should also consider that Site USTs may contain substances other than petroleum products and additional regulations may apply.

5. Materials Management

This section discusses materials management.

5.1 Soil and Sediment

Soils and other materials excavated on the Site will remain onsite for reuse as fill or until they are appropriately assessed for offsite reuse, treatment, or disposal. However, every effort will be made to reuse excavated materials onsite before offsite disposal opportunities are considered. Attachment 3 contains a decision matrix to help assess whether materials (soil, sediment, surface water, groundwater, and concrete/crushed stone/other materials) require sampling and testing.

The Competent Person reviewing the excavation will use the screening information gathered during excavation to assess whether excavated materials may be used as backfill at the location of the work. For instance, excavated materials without indications of environmental impact (visible discoloring, obvious

chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material) would be considered environmentally suitable for use as backfill. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. Additionally, impacted soils excavated from areas within Zone 1 may be used as backfill at the same source locations from where they were excavated as long as materials appear to be similar to those described in prior investigations at the Site. Soil and vegetative covers will be replaced where necessary in Zone 1.

At a minimum, the Competent Person will consider the following criteria when assessing the environmental suitability of the excavated materials for use as backfill:

- Zone or SWMU where excavation is taking place
- Distance between the bottom of the excavation and the estimated groundwater
- Relative permeability of soil(s) present (gravel, sand, silt, or clay)
- Purpose of the excavation
- Ground cover that will be placed over the excavation

Erosion and sediment control measures will be established before Site-disturbing activities begin. These measures will conform to a Sediment and Stormwater Management Plan provided by Jacobs (Attachment 2), once approved by DNREC.

When a decision has been made to temporarily store excavated materials, the materials will be transported to the prepared storage area or storage containers. Separate storage areas or containers will be provided for each zone and excavation location. While excavated materials are placed in the storage area, they will not be allowed to cover the peripheral berms of the storage area or spill over the sides of storage containers. The stored materials will be covered with plastic sheeting or tarps at the end of excavating activities or the end of each workday, whichever occurs sooner. Sufficient weights will be placed on the plastic cover to hold it in place in case of windy conditions or precipitation.

In addition, a soil and waste tracking log will be used to track the origin, quantity, and date that the excavated materials are placed into storage (Attachment 5). The log will detail the original SWMU area that the soils in storage originated from, along with details about characterization sampling if performed, included the type of analysis performed and the laboratory used.

When excavation and material additions to the storage site are completed, stored materials will be handled in accordance with the sampling and testing decision matrix in Attachment 3.

5.1.1 Testing for Onsite Soil Reuse (Preferred Method of Materials Management)

Soil characterization testing will be performed for onsite reuse when soils exhibit environmental impacts or to allow for unrestricted use between Zones 1 and 2. Sampling frequency will conform to the DNREC's *Guidance for Soil/Material Re-Use by the Hazardous Substance CLeanup Act (HSCA),* dated May 2023. If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - Target Compound List (TCL) Volatile Organics +10 by EPA Method SW-846 8260B
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics +15 by EPA Method SW-846 8270C
  - TCL Pesticides by EPA Method SW-846 8081A
  - Total PCBs by EPA Method 680 (only when iron-rich material is present)

- Total Dioxins and Furans by EPA Method 1613 (only when iron-rich material is present)
- Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
- Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or it be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.2 Testing for Onsite Concrete/Crushed Stone/Other Similar Material Reuse (Preferred Method of Materials Management)

Concrete, crushed stone, or other similar material will be tested for onsite reuse when concrete exhibits environmental impact or to allow for unrestricted use between Zones 1 and 2. Sampling will conform to DNREC (2023). If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - TCL Volatile Organics +10 by EPA Method SW-846 8260B.
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics + 15 by EPA Method SW-846 8270C
  - Total PCBs by EPA Method 680
  - Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
  - Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.3 Testing for Offsite Reuse

If the project requires that excavated materials cannot be reused at the area of excavation and offsite reuse may be an option, the laboratory will be requested to perform a suite of analyses similar to those listed is Section 5.1.1 and 5.1.2 for onsite reuse and in accordance with DNREC (2023).

5.1.4 Testing for Treatment or Disposal

The following describes testing for treatment of disposal.

5.1.4.1 Excavated Materials

If the excavated materials cannot be kept onsite and screening indicates substantial environmental impacts, the Laboratory will be requested to perform the following initial analyses or the analyses requested by the potential treatment or disposal facility when the source of the substances of concern is not apparent or is unknown:

- Grab samples:
  - TCL Volatile Organics by EPA Method SW-846 8260B
  - Diesel Range Organics by EPA Method SW-846 8015B
  - Gasoline Range Organics by EPA Method SW-846 8015B
  - Total Metals (Arsenic, Antimony, Barium, Beryllium, Cadmium, Chromium, Hexavalent Chromium, Copper, Mercury, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, and Zinc) by EPA
  - Methods SW-846 6020B and 7471A
  - Total PCBs by EPA Method SW-846 680
  - Ignitability in accordance with 40 CFR261.21
  - Corrosivity by EPA SW-846 Chapter 7
  - Reactivity by EPA SW-846 Chapter 7.3
  - Oil and Grease by EPA Method 413.1
  - Total Organic Carbon by EPA Method 415.1
  - Chemical Oxygen Demand by EPA Method 410.1
  - Total Extractable Halides by EPA Method SW-846 9020B
  - Ammonia-Nitrogen by EPA Method 350.2
  - Total Solids by EPA Method 160.3
  - Total Volatile Solids by EPA Method 160.4
  - Paint Filter Liquids Test by EPA Method SW-846 9095A
  - TCLP (Metals, Volatile Organics, Semivolatile Organics, Pesticides, and Herbicides) by EPA Methods SW-846 1311/6010B, 1311/8260B, 1311/8270C, and 1311/8081A/8151A
  - Total Cyanide by EPA Method 9010

The analyses reflect a combination of testing typically requested by treatment and disposal facilities in the region. Where the source of the substances of concern is established, such as petroleum from USTs, characterization testing will be limited to analytes required by the receiving facility.

The results of material characterization analyses will be compared to State criteria for categorizing solid waste or hazardous wastes and treatment or disposal facility acceptance criteria, as appropriate. The application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment of disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.2 Soils Outside of Solid Waste Management Unit 2

Soil in the areas outside SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample Locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per

kilogram is required before earth-disturbing activities. Where lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils.

Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for the soils outside of SWMU 2 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If concentrations of lead in the soil are hazardous, the material requires disposal at a hazardous waste landfill. If concentrations of lead in the soil are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.3 Testing for Imported Materials Onsite

Soils imported to the Site will be assessed on a case-by-case basis as to whether environmental sampling is necessary before they are placed. The source location and the approximate volume for imported soils will be provided. Imported materials may not be placed onsite until authorized by the Site Owner and DNREC-RS.

5.1.5 Sediments

SWMUs 1 and 2 are the only locations where sediment is present onsite (other than along the shoreline). SWMU 1 and 2 sediments should be managed as part of Zone 2, in accordance with the results of previous determinations, indicating sediments in these areas do not pose a risk to human health for excavation, composite, or outdoor workers (Table 2). Analytical results for SWMU 1 sediment samples did not exceed the DNREC Screening Levels; therefore, the concentrations of regulated substances in these sediments are considered acceptable to human health.

Table 2. Solid Waste Management Unit 2 Total Excess Cancer Risk Characterization Results

SWMU	Excavation Worker CR	Excavation Worker HI	Composite Worker CR	Composite Worker HI	Outdoor Worker CR	Outdoor Worker HI
SWMU 2	2E-08	0.07	4E-07	0.4	2E-06	0.3

Source: Verdantas 2024

SWMU 1 and 2 sediment may be placed onsite but must maintain a clean soil cover or an impervious cover to minimize the potential for continued drainage of PCBs from the SWMU 1 sediment into the river through the mechanism of stormwater runoff. It is recommended that the SWMU 1 and 2 sediments be buried in the proposed confined disposal facility or disposed of offsite at a permitted landfill.

5.2 Surface Water Management

The surface water within the SWMU 1 and SWMU 2 ponds is considered industrial wastewater. The Contractor may manage surface water using one of the following three approaches:

- Evaporation of Surface Water (SWMU 1, surface water only): It is anticipated that in SWMU 1, standing water would be permitted to evaporate before dewatering activities begin.
- Processing Through New Castle County Sewer System: If the industrial wastewater is present before dewatering, the industrial wastewater may be processed through the New Castle County Sewer System. If this action is deemed necessary, the appropriate approvals from New Castle County are required before discharge.
- Pumping of Surface Water into Vacuum Truck, Treatment, and Offsite Disposal: If the industrial wastewater is present before dewatering, it may be pumped out of the ponded area(s) into a vacuum truck, treated, and disposed of as wastewater offsite. The documentation of proper transportation and disposal is required.

5.3 Groundwater Management

Most work activities in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. If groundwater is encountered, it should be handled according to the guidance in the following sections.

5.3.1 Identification of Contaminated Groundwater

Contractors should assume groundwater encountered at the Site may contain COCs, and workers should wear appropriate PPE and avoid prolonged contact with the water. If indicators of obvious contamination are observed (such as petroleum products, sheen, unusual discoloration, or strong odors), the Contractor will halt work in the affected area and contact the Consultant. The Consultant or DNREC-RS will assess the situation to determine whether work can continue or whether remedial or additional PPE measures (or both) are required.

5.3.2 Management of Nonaqueous Phase Liquids

Nonaqueous phase liquids (NAPL) have not been identified onsite and are not anticipated to be encountered.

However, if NAPL is discovered, Contractors assigned to recover NAPL, such as petroleum products, will collect the NAPL in Consultant-approved containers (sealed drums or tanks). Containers of recovered NAPL will be stored within secondary containment structures for characterization and eventual disposal. Documentation of proper disposal of wastes is required.

5.4 Equipment Decontamination

The Consultant will designate a decontamination area for equipment that is operated within Zone 1. The Contractor will have the appropriate supplies onsite for decontamination, as needed, including a clean water supply, plastic sheeting, oil absorbent pads, and empty sealable drums.

Soil can be washed from equipment using tap water and discharged to the ground surface unless obvious contamination is encountered. Equipment used to handle contaminated materials will be decontaminated on a plastic sheet to collect and containerize the wash water. The equipment will be cleaned using a soap solution and tap water. The wash water will be collected into a drum or tank and labeled with the contents, a description of observed contamination, and the date of the work.

In addition, the Contractor will have a dedicated access/egress for each SWMU and dedicated vehicles working in SWMUs. At each entrance/exit location, the Contractor will use a rock construction entrance (large stone aggregate surface stabilized with a geotextile fabric), along with trackout control mats, which deform tires and release debris and sediment that is lodged between the tire lugs.

6. Worker Hazard Mitigation

This section describes criteria that will guide the Competent Person's recommendations regarding PPE and Site work. This section assumes Contractors engaged to provide services at the Site have their own corporate health and safety plans and will prepare Site-specific health and safety plans. For this Plan, environmentally impacted materials include materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material.

If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

6.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in SWMUs in Zone 1 will be performed by workers who have been 40-hour HAZWOPER-trained, and the Competent Person will be present during excavation work in SWMUs in Zone 1.

The initial minimum PPE worn by workers who are likely to be in direct contact with excavated materials or subsurface materials will conform to EPA Level D criteria and consist of the following equipment:

- Level D PPE
  - Hard hat
  - Eye protection
  - Disposable gloves
  - Ear protection
  - Work boots with toe protection

A cleaning station will be provided to remove materials that cling to the outer surface of work boots and where workers can wash their hands during breaks and before leaving the work area. No drinking, eating, or smoking will be permitted in the work area.

If work area monitoring indicates a potential breathing hazard is present in the form of organic vapors, workers will be required to wear Level C PPE. Level C PPE will include the equipment required for Level D, plus a disposable coverall suit and use of a full-face negative air respirator with organic vapor cartridges. The full-face coverage provided by the respirator will provide the eye protection specified for Level D PPE. Level C PPE is required during the excavation of soils outside of SWMU 2 where hazardous concentrations of lead are present (Attachment 1).

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria indicate the appropriateness of Level D PPE during work:

- PID or FID readings less than 5 units greater than ambient background readings with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the lower explosive limit (LEL) with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained at 5 deflection units or greater than ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to levels less than 5 deflection units, the Competent Person will allow work to resume. If PID or FID readings remain greater than 5 deflection units but less than 50 deflection units, the workers will be required to upgrade PPE to Level C. The Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken.

If oxygen meter readings are between 19.5% and 23%, and combustible gas meter readings exceed 10% of the LEL but remain less than 25% of the LEL, the Competent Person will inform the excavation supervisor and workers of the condition. Work will proceed with caution. If combustible gas meter readings exceed 25% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm potential sources of ignition are de-energized or extinguished, and confirm workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 25% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain great than 25% of the LEL, the Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 25% of the LEL, the Competent Person will again contact the Site Manager and will contact the Brandywine Hundred Fire Company to inform them of the situation and request assistance. The Site Manager will contact the DNREC Case Manager and inform them about the situation. Work will be halted until the situation can be further assessed and a safe course of action can be planned.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels are indicated to remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

6.2 Zone 2: Areas Determined to Have Acceptable Risk

HAZWOPER training will not be required for workers engaged in subsurface work in Zone 2, based on the available information, which indicates hazardous substances are not present in these zones at concentrations of concern. However, subsurface work area conditions will be monitored by a Competent Person, who is the developer's representative.

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria will be used to assess the appropriateness of the worker protection in use:

- PID or FID readings less than 5 units exceeding ambient background readings and no sustained readings exceeding ambient background with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the LEL with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained exceeding ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to ambient background readings, the Competent Person will allow work to resume. If PID or FID readings remain greater than ambient background, the Competent Person will continue monitoring organic vapors for 30 minutes. If the organic vapor readings do not return to ambient background values after 30 minutes, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Competent Person will contact the Site Manager and inform them of conditions encountered and action being taken. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings are between 19.5% and 23% and combustible gas meter readings exceed 10% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm that potential sources of ignition are de-energized or extinguished, and confirm that workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 10% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain greater than 10% of the LEL, the Competent Person will contact the Site Manager to inform them of encountered conditions and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 10% of the LEL, the Competent Person will again contact the Site Manager and halt work until the situation can be further assessed and a safe course of action has been planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

7. Emergency Procedures

This section discusses emergency procedures.

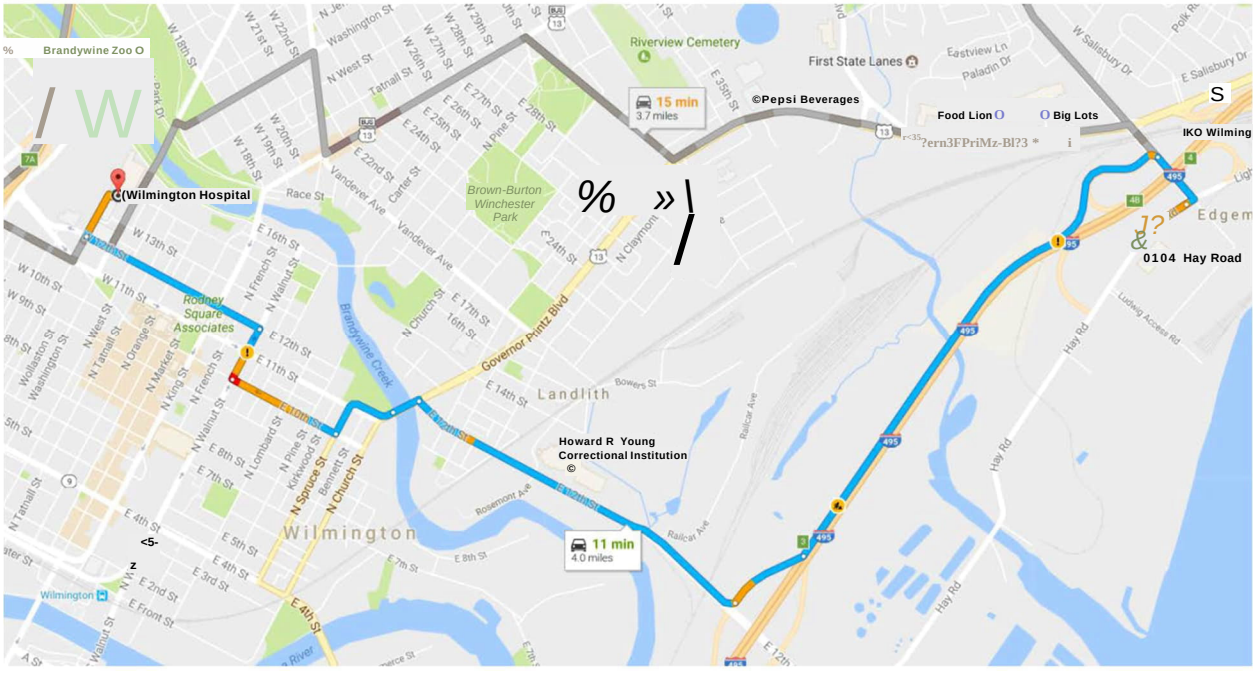
7.1 Possible Fire or Explosion

The Competent Person will notify the proper authorities for emergency response (fire and police personnel). Alert the appropriate regulatory authorities (telephone numbers provided in Section 7.3) and will also notify the Site Manager.

7.2 Personal Injury

Any injured Site worker must seek immediate medical care. If a Site worker is seriously injured, the Competent Person will call an ambulance to transport the individual to the nearest hospital for emergency room care. The nearest hospital to the Site is Christiana Care Wilmington Hospital at 501 W 14th Street, Wilmington, Delaware 19801. Figure 1 shows a route to Christiana Care Wilmington Hospital. The Competent Person will notify the Site Manager of any Site worker who needs medical attention via ambulance or needs to see a medical professional.

Figure 1. Hospital Route



7.3 Emergency Evacuation

In case the Site requires an emergency evacuation, all personnel onsite will stop work immediately, shut off equipment, and assemble at a location designated by the Competent Person. The Site Manager will be notified if Site evacuation is required.

In the case of an emergency, relevant contact information is provided as follows:

- Emergency Telephone Numbers
  - Police/Local, State 911
  - Ambulance 911
  - Brandywine Hundred Fire Company 911
  - Wilmington Hospital (Christiana Care) (302) 733-1000
  - DNREC 24-hour emergency hot line (800) 662-8802
  - Federal
    - National Response Center (800) 424-8802
    - Poison Control Center (800) 222-1222
    - EPA Environmental Response Team (215) 814-5000
- Contact
  - Site Manager
    - Office To be determined

8. List of Environmental Documents

Environmental documents are as follows:

- RCRA Consent Order issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA CAP (2001)
- Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility (May 25, 2004)
- Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284) (April 29, 2009)
- PCCP State Permit No. HW31B04 (March 2010)
- Parsons' PCCP - Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant (March 2010)
- Policy Soil/Material Re-Use Policy at Hazardous Substance Cleanup Act Regulated Sites (Soil Reuse Policy) (May 2023)
- Holland Mulch Site Phase II Investigation Summary Letter Report (July 26, 2010)
- Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284) (March 3, 2011)
- Parsons Risk Analysis for DuPont Edge Moor Site (June 2013)
- Corrective Measures Study for DuPont Edge Moor Site (August 2013)
- Statement of Basis (April 29, 2021)
- Corrective Action Permit (April 29, 2021)
- Final Decision and Response to Comments (FDRTC or Final Decision) (April 29, 2021)
- DNREC-RS' *Guidance for Notification Requirements, and HSCA Reporting Level Table* (January 2013) [Updated December 2025]).
- Verdantas' Solid Waste Management Units 1 and 2 Sampling and Analyses Plan, (November 21, 2022)

- Verdantas' Solid Waste Management Units 1 and 2 Data report (Revised March 2024)
- Verdantas' Excavation and Materials Handling and Contingency Plan, August 2023, (Revised April 2025)

9. Identification of the Competent Person

I, _____ _____, am the designated Competent
(First Name) (Last Name)
Person at the Edgemoor Site.

My role at the Site includes but may not be limited to the following:

- Awareness of the Site hazards
- Awareness of Site history
- Monitoring of onsite materials during soil-disturbing activities
- Having the ability to stop work
- Maintain my certification and ability to recognize and react to conditions of environmental and human health concern in accordance with OSHA's HAZWOPER standard, 29 CFR 1910.120 and 1926.65

Signature of Competent Person: _____

10. References

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's). 2021. Final Decision and Response to Comments. April 29.

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section (DNREC-RS). 2025. *Guidance for Notification Requirements, and HSCA Reporting Level Table.* December.

Department of Natural Resources and Environmental Control (DNREC). 2023. *Guidance for Soil/Material Re-Use by the Hazardous Substance Cleanup Act. May.*

Parsons. 2010. Post-Closure Care Plan; Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant. March.

Parsons. 2013. *Risk Analysis Study.* Prepared for Department of Natural Resources and Environmental Control. June.

U.S. Environmental Protection Agency (EPA). 2014. Office of Solid Waste and Emergency Response Directive 9200.1-120: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. February.

Verdantas. 2022. Solid Waste Management Units 1 and 2 Sampling and Analysis Plan. November 21.

Verdantas. 2023. *Excavation and Materials Handling and Contingency Plan.* Prepared Department of Natural Resources and Environmental Control (DNREC). August. (Revised April 2025).

Verdantas. 2024. *Solid Waste Management Units 1 and 2 Data Report.*

DuPont. 2003. Corrective Action Plan. August.

DuPont. 2004. Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility. May 25.

Dupont. 2009. Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284). April 29.

Parsons. 2010. Holland Mulch Site Phase II Investigation Summary Letter Report. July 26.

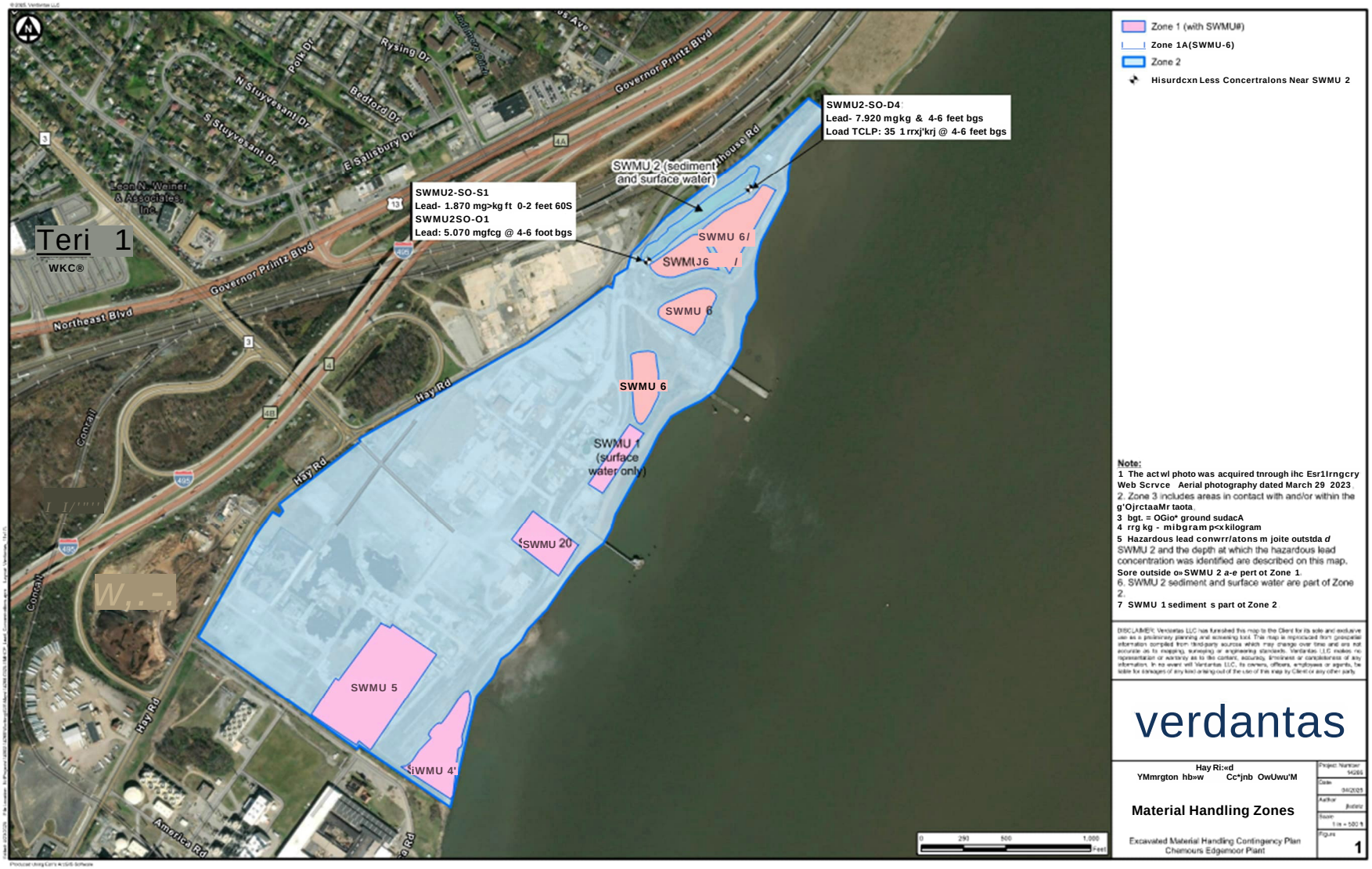
Parsons. 2011. Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284). March 3.

Parsons. 2013. Corrective Measures Study. August.

Department of Natural Resources and Environmental Control (DNREC). 2021. Statement of Basis. April 29.

Attachment 1
Material-Handling Zones

Attachment 1. Material-Handling Zones



Attachment 2
Sediment and Stormwater Management Plan Phase 1 Proof of Concept

ACREAGE BY DRAINAGE AREA	
AREA A	3.43 AC
AREAB	41.53 AC
AREAC	8.92 AC
AREAD	1.95 AC
AREAE	4.67 AC
AREAF	0.71 AC

SEQUENCING NOTES:

1. PRIOR TO ANY EARTHWORK COMMENCING, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 1.1. ORANGE CONSTRUCTION FENCE
   - 1.2. SUPER SILT FENCE
   - 1.3. STABILIZED CONSTRUCTION ENTRANCE
   - 1.4. CONCRETE WASHOUT
   - 1.5. INSTALL TEMPORARY SEDIMENT BASIN AND RIP RAP OUTLET SEDIMENT TRAPS
   - 1.6. MODIFY GRADING OF SWALES AS NECESSARY TO ACCOMMODATE INTERMEDIATE SITE GRADING.
2. IMMEDIATELY FOLLOWING INSTALLATION OF STORMWATER DRAINAGE INFRASTRUCTURE IN EACH AREA, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 2.1. FILTER SOCK
   - 2.2. INLET PROTECTION
   - 2.3. OUTLET ENERGY DISSIPATER
   - 2.4. EROSION CONTROL MATTING REQUIRED ON ALL SLOPES GREATER THAN OR EQUAL TO 3:1 SLOPES. SEE DNREC MANUAL FOR CONTROL MATTING TYPES.
3. ALL BMPs SHALL REMAIN IN PLACE UNTIL FINAL PAVING HAS BEEN COMPLETED AND UPON APPROVAL BY ENGINEER.
4. AN EQUIPMENT WASH AND DECONTAMINATION AREAS WILL BE LOCATED AT THE EDGE OF EACH SWMU DURING THE EXCAVATION OPERATIONS.

LEGEND

- DRAINAGE BOUNDARY
- ADJACENT PROPERTY LINE
- EXISTING SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- POST CONSTRUCITON SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- PROPOSED STOCKPILE LOCATIONS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SLOT DRAIN
- SWALE CENTERLINE
- PROPOSED SEDIMENT TRAPS/ SEDIMENT BASIN
- EXISTING SOLID WASTE MANAGEMENT UNITS
- EXISTING SOLID WASTE MANAGEMENT, NFA PENDING ONGOING SAMPLING

PROPOSED RIP RAP OUTLET SEDIMENT TRAP
HAY ROAD
EDGEMOOR ROAD
LIGHTHOUSE ROAD
TEMPORARY PROPOSED STOCKPILE LOCATION
TEMPORARY PROPOSED STOCKPILE LOCATION
PROPOSED RIP RAP OUTLET SEDIMENT TRAP
PROPOSED TEMPORARY SEDIMENT BASIN
RESERVED FOR WHARF CONSTRUCTION
SWMU-1
SWMU-2
SWMU-4
SWMU-5
SWMU-6A
SWMU-6B
SWMU-6C
SWMU-6D
SWMU-20
DELAWARE RIVER

PERMIT SET
NOT FOR CONSTRUCTION

0 200 400 600
1" = 200'

NO.	DATE	REVISION	CHK	APVD
0	01.30.26	ISSUED FOR PERMITTING	L. MARTIN	S. RUTKOWSKI

DSGN	DR	APVD
A. DUBOSE	L. MARTIN	S. RUTKOWSKI

BY	APVD
LM	SR

C. LAWRENCE

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PERMIT SET (DRAFT)

Jacobs

SOLETANCHE BACHY INTERNATIONAL
WALSH
ENSTRUCTURE
DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

SEDIMENT AND STORMWATER MANAGEMENT PLAN - PHASE 1

PROOF OF CONCEPT ATTACHEMENT 1

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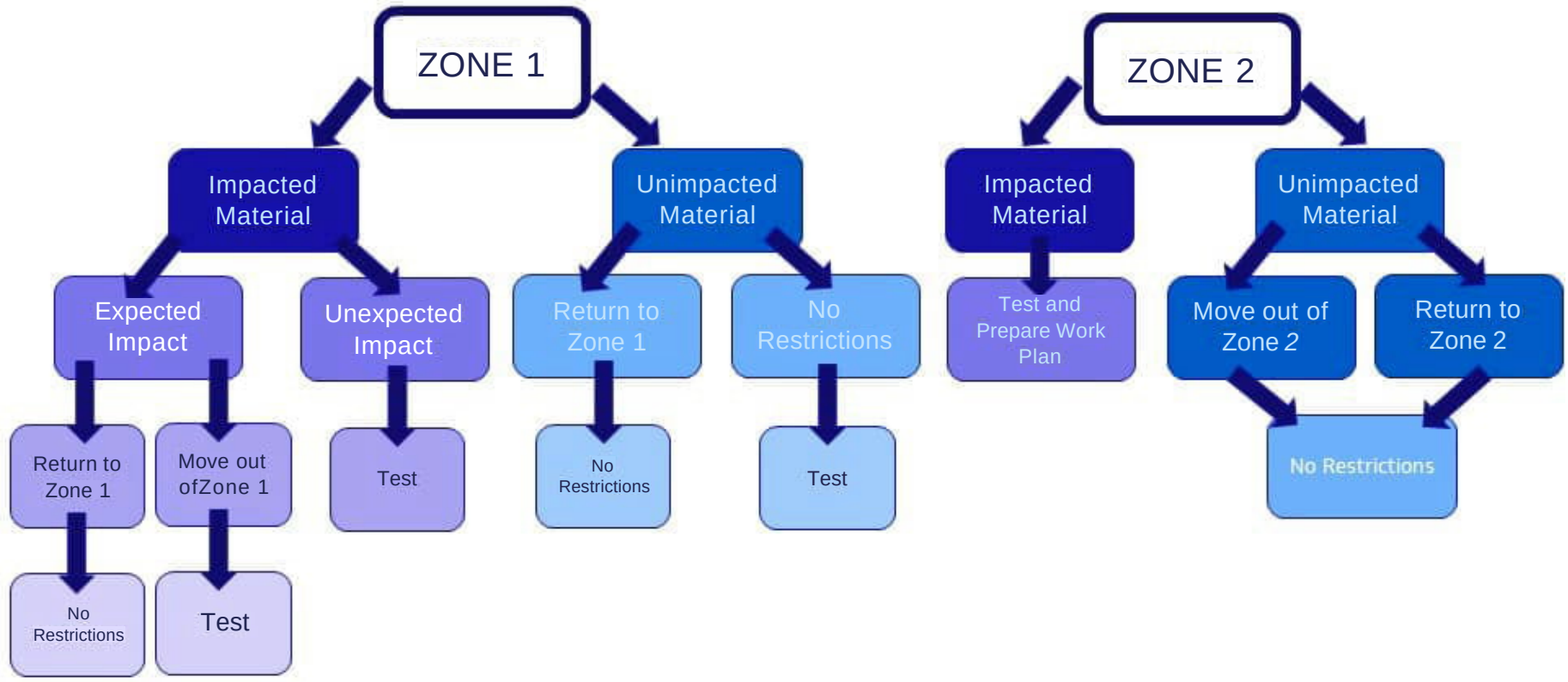
DATE	JANUARY 2026
PROJ	D3958901
DWG	ATTACHMENT 1
SHEET	

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FILE NAME: EXCAVATED MATERIALS HANDLING PLAN_PH1.dwg PLOT DATE: 1/30/2026 PLOT TIME: 4:32:45 PM

Attachment 3
Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

Attachment 3. Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

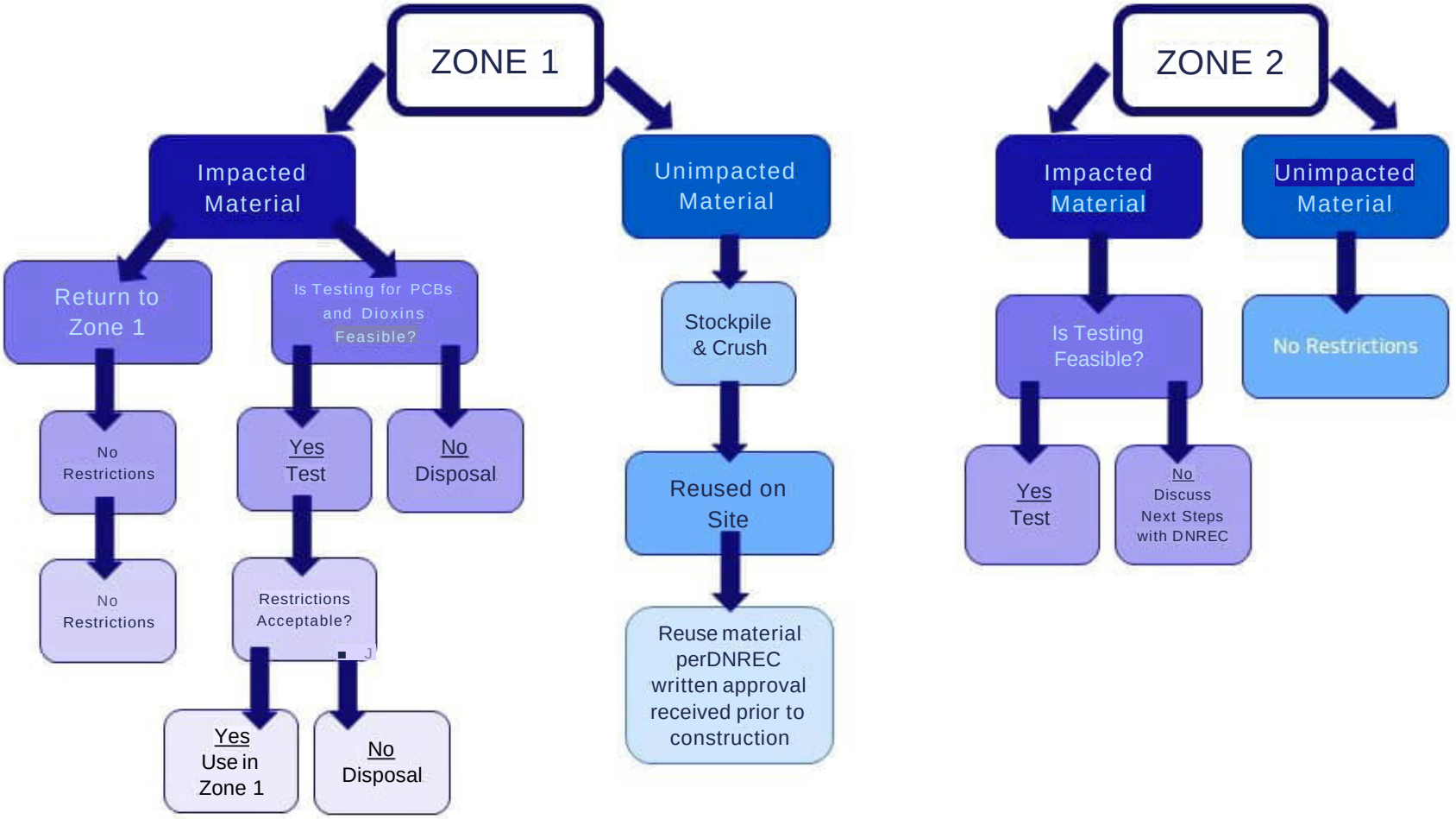
Figure A3-1. Soil and Sediment Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns.

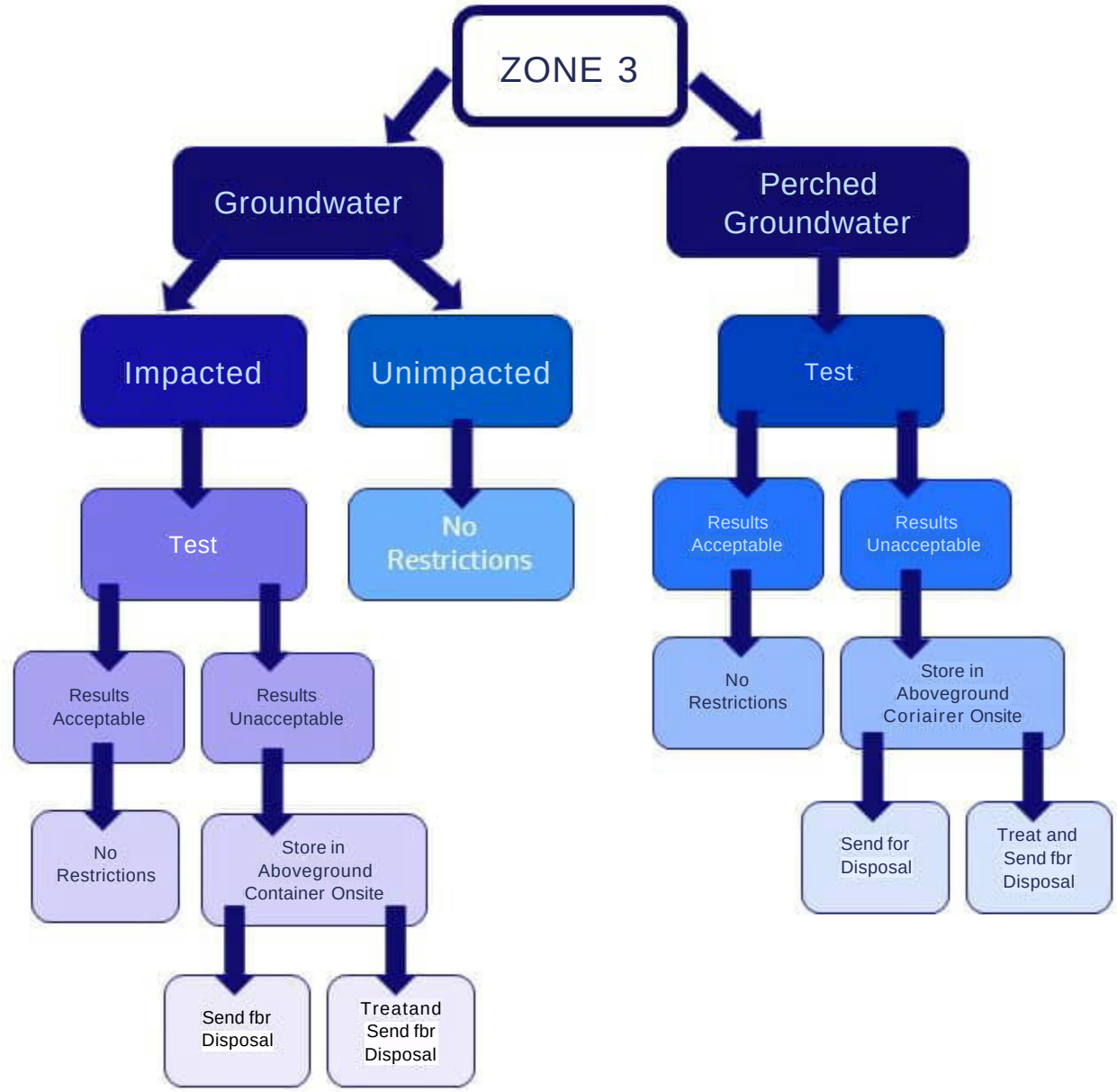
Testing requirements are established in Section 5 of the Excavation and Materials Handling and Contingency Plan (EMHCP) (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-2. Concrete, Crushed Stone, and Other Material Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns. Testing requirements are established in Section 5 of the EMHCP (his attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

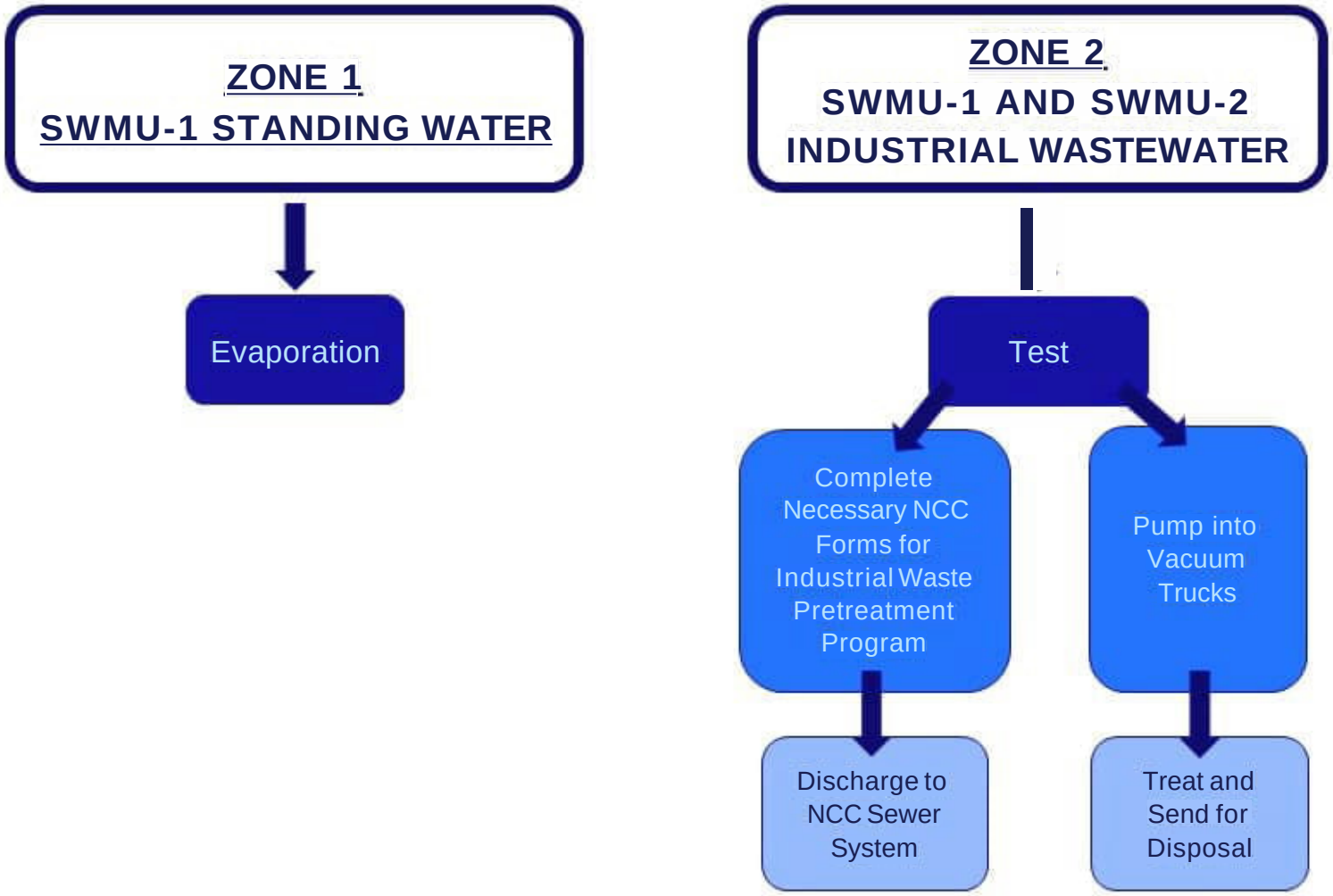
Figure A3-3. Groundwater Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may bean indication of other environmental concerns.

Testing requirements are established in Section 5 of the EMHCP (this attachment is part ofVerdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-4. Surface Water Testing Decision Matrix



Testing requirements are established in Section 5 of the EMHCP (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Attachment 4
Guidance for Notification Requirements

DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

DIVISION OF WASTE AND HAZARDOUS SUBSTANCES

Remediation Section

Hazardous Substance Cleanup Act
Guidance for Notification Requirements

And

HSCA Reporting Level Table

Updated December 2025

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1.0 Introduction

1.1 The purpose of this document is to provide guidance for Section 3.1 of the Regulations Governing Hazardous Substance Cleanup and to help owners or operators understand how and when to notify the State of contamination.

1.2 This regulation and guidance is designed to provide notification to the State of Delaware of hazardous or potentially hazardous conditions that exist on property that is planned for development.

1.3 The notification is intended to facilitate possible remedial actions that will limit exposure to the public, provide cost-effective oversight, and limit potential liability for property owners.

1.4 Notification, in and of itself, does not mean that remediation will be initiated; however, it does mean that the Department of Natural Resources and Environmental Control, Remediation Section (DNREC-RS) will review the available information and decide if further action is warranted.

2.0 Releases and Potential Releases which Require Notification

2.1 Any exceedance of the reporting level table will be subject to the notification requirement if the owner or operator is planning on undertaking land disturbing activities at a facility.

2.1.1 Land disturbing activities include, but are not limited to, digging, drilling, excavating, grading, clearing, earth moving, filling, or performing any subsurface work. Land disturbing activities do not include environmental investigation, planning, designing, or engineering work related to the facility.

2.1.2 Example - A facility owner has a Phase II Environmental Site Assessment (ESA) performed and analytical data is obtained. One of the data points exceeds the reporting level, and it is in an area where they are planning to develop the property or dig a new utility trench. The owner must notify DNREC-RS at least 30 days in advance of the land disturbing activity, so DNREC-RS has enough time to review the report and determine what further action is appropriate.

2.2 Any evidence of a release during land disturbing activities will require notification within 24 hours to the Department's 24 Hour Release Hotline (800-662-8802). Land disturbing activities may continue on another part of the property as long as it is not immediately adjacent to the area where there is evidence of a release. This will prevent situations where all work must stop because the workers can move to another area on the facility and continue to work; however, if they find evidence of a release at the new area, they must continue moving until they can complete their task without finding evidence of a release.

2.2.1 Evidence of a release includes, but is not limited to, appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or, presence of free product.

2.2.2 Example - A facility owner starts developing a facility without performing a Phase I or Phase II ESA and discovers evidence of a release. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC Emergency Prevention and Response Section (DNREC-EPRS) may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

2.2.3 Example - A facility owner has a Phase II ESA performed and analytical data is obtained. None of the data points exceed the reporting levels, so the facility owner does not need to notify DNREC-RS. However, when they begin digging for the new development or utility trench, they notice free product. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC-EPRS may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

3.0 Who is Required to Notify

3.1 The owner or operator is required to notify DNREC-RS if (1) he is planning on undertaking land disturbing activities and he knows that the land has concentrations of hazardous substances at or

above the reporting levels; or (2) he became aware of a release while land disturbing activities were taking place at the facility.

3.1.1 An owner or operator is anyone who owns or operates a facility or who previously owned or operated a facility. For example, a facility manager is an operator because he is involved in operating the facility and is more likely to be aware of possible contamination.

3.2 A Brownfield Developer, prospective purchaser, or a person acting on behalf of the Brownfield Developer, the prospective purchaser, or the owner or operator can report a release to DNREC-RS if they are aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities.

3.3 Any person who is aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities is encouraged to notify DNREC-RS, but is not required to do so.

4.0 How Owners or Operators Notify DNREC

4.1 Notification prior to land disturbing activities

4.1.1 The owner or operator should submit a letter, via email or hard copy, that includes the current address and tax parcel of the property, current and future use, a copy of a Phase I and/or Phase II ESA report, including laboratory data in an editable format (Excel or EDD), and any anecdotal evidence to DNREC-RS at least 30 days prior to undertaking land disturbing activities. This will provide DNREC-RS with enough time to review the information, meet with the owner or operator, and determine what future actions are appropriate.

4.2 Notification during land disturbing activities

4.2.1 The owner or operator, or any person acting on his behalf, must notify the 24 Hour Release Hotline (800-662-8802) within 24 hours of noticing the evidence of release. The DNREC-EPRS will determine the next appropriate action.

5.0 How DNREC-RS notifies an owner or operator of a release

5.1 If DNREC-RS learns of a release at a facility, DNREC-RS will contact the owner or operator via phone call and follow up with a letter, via email or hard copy, to obtain any necessary information, including whether they are planning to undertake land disturbing activities.

6.0 Reporting Levels

6.1 Reporting levels are the concentrations of hazardous substances in the environment that are at or above the levels established by the Department, except for groundwater for which the reporting level shall be equivalent to the levels contained in the Delaware and federal drinking water standards. Reporting levels are indicated in the reporting level table in Appendix A of this guidance and on the RS webpage.

6.2 Reporting levels are only used for notification purposes and should not be used for cleanup purposes. They are not the same as cleanup levels and they should not be used as default cleanup levels. They do not take the place of a human health or ecological risk assessment. There may be a risk to human health or the environment at concentrations in soil or groundwater less than the concentrations listed in the table of reporting levels. Reporting levels do not adequately account for cumulative risk to human health or the environment.

6.3 Reporting levels for Soil

6.3.1 Hazardous Substance Cleanup Act (HSCA) reporting levels for soil are primarily based on the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil, with several exceptions. Regardless of the current or future land use (i.e., residential, commercial, or industrial) at a facility, soil sample results at all facilities should be compared to the HSCA soil reporting level for the particular chemical(s) analyzed.

6.3.2 DNREC-RS recommends analysis of EPA's Target Analyte List (TAL) and Target Compound List (TCL) of chemicals, and any

other chemicals that may be present because of the operational history of the facility.

6.4 Reporting levels for Groundwater

6.4.1 HSCA reporting levels for groundwater are primarily based on the Delaware or federal Maximum Contaminant Level (MCL) for drinking water. Some contaminants have a Delaware MCL, a federal MCL, or both. In the instances where there is both a Delaware and federal MCL, the more conservative level is listed in the HSCA reporting level table. Groundwater sample results should be compared to the groundwater reporting level for the particular chemical(s) analyzed.

6.4.2 DNREC-RS recommends analysis of EPA's TAL and TCL of chemicals, and any other chemicals that may be present because of the operational history of the facility.

6.5 Comparing sample results to reporting levels

6.5.1 After soil and/or groundwater samples are collected from a facility, the individual sample results should be compared to the reporting levels listed in the most recent table provided by DNREC-RS in Appendix A of this guidance and on the RS webpage.

6.5.2 In general, samples that are field-screened only should be compared to the reporting levels and DNREC-RS should be notified if there is an exceedance of a reporting level and if land disturbing activities will occur. If a sample or samples were field-screened and exceed a reporting level, the owner or operator has the option to send those samples to a HSCA-approved laboratory for confirmatory analysis. If the results from the HSCA-approved laboratory do not exceed the reporting level, then DNREC-RS does not need to be notified of these sample results.

6.5.3 Below are two examples comparing sample results to HSCA reporting levels:

6.5.3.1 Example 1 - A Phase II ESA was conducted and soil and groundwater samples were collected from the property. Table 1A and IB show some of the soil and groundwater

sample results from the Phase II ESA, as compared to HSCA reporting levels for soil and groundwater, respectively. Based on this data, one or more soil samples exceed the reporting level for trichloroethylene, benz(a)anthracene, and benzo(a)pyrene. One groundwater sample is equal to the reporting level for trichloroethylene. Prior to undertaking any land disturbing activities, the owner or operator must notify DNREC-RS in writing that these particular hazardous substances are at or above the reporting level for soil and groundwater.

Table 1A: Soil Sample Results compared to HSCA Reporting Levels for Soil

Sample Name		SB01S	SB01D	SB02S
Sample Date		4/7/2013	4/7/2013	4/7/2013
Unit		mg/kg	mg/kg	mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Tetrachloroethylene	86	ND	ND	ND
Trichloroethylene	4.4	2	6	ND
Anthracene	17,000	1.7	ND	0.46
Benz[a]anthracene	1.5	**1.9**	ND	1
Benzo[a]pyrene	0.15	**1.9**	ND	1.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table IB: Groundwater Sample Results compared to HSCA Reporting Levels for Groundwater

Sample Name Sample Date Unit		MW01 4/17/2013 ug/l	MW02 4/17/2013 ug/l	MW03 4/17/2013 ug/l
Chemical Name	Groundwater Reporting Level (ug/l)			
Benzene	5	2	ND	1.1
Tetrachloroethylene	1	ND	ND	ND
Trichloroethylene	1	3.2	5	1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; ug/l = micrograms per liter

6.5.3.2 Example 2 - A limited soil investigation was conducted and soil was analyzed for metals using a field XRF instrument. Table 2A shows some of the results of screening the soil samples with a field XRF instrument. These results were compared to HSCA reporting levels and all three samples exceeded the reporting level for arsenic. These exceedances would need to be reported to DNREC-RS prior to undertaking land disturbing activities. However, all of the same samples were also sent to a lab for confirmatory analysis (Table 2B), which revealed that none of the soil samples exceeded the reporting level for arsenic (or any other analyte). Results from the XRF instrument were biased high. Therefore, DNREC-RS does not need to be notified of these sample results.

Table 2A: Soil Sample Results, field-screened with XRF, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	2.3	ND	**ND**
Arsenic	11	**15**	**28**	**19**
Barium	15,000	1119	1320	1282
Iron	74,767	47,800	53,000	52,000
Lead	400	73	37	66.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table 2B: Soil Sample Results, sent to confirmatory laboratory, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	ND	ND	ND
Arsenic	11	6.7	10	9.6
Barium	15,000	273	298	307
Iron	74,767	47,800	53,000	52,000
Lead	400	26	10.5	24.6

ND = not detected; mg/kg = milligrams per kilogram

6.6 Updates to the Reporting Level Table

6.6.1 The reporting level table will be updated as significant changes occur, and the updated table will be available on the RS webpage (https://dnrec.delaware.gov/waste-hazardous/remediation/laws-regs-guidance/). Analytes may be added or deleted from the table. Therefore, please ensure that you are using the most current version of the reporting level table, available in Appendix A of this guidance and on the RS webpage. The analytes with concentrations that have been updated between the previous version and the current version of the reporting level table will be indicated. The date of the most recent revision will be listed in the heading of the table.

7.0 Procedure after the Department Receives Notification

The course of actions that the Department will take after notification will vary based on the way the notification was received and are described separately.

7.1 Notification Prior to undertaking land disturbing activities

7.1.1 If the owner or operator, Brownfield developer, or his representative, notified DNREC-RS in writing, of a release of a hazardous substance with concentrations at or above the reporting levels, at least 30 days before undertaking land disturbing activities in any area(s) potentially affected by the release at the property, then the following steps are taken:

Step 1: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 2: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or

operator of the program under which the facility will be addressed.

Step 3: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 4: DNREC-RS enters into a letter agreement with the owner or operator.

Step 5: DNREC-RS performs a full review of the available information for the site and determines whether the Phase II ESA is equivalent to a Facility Evaluation and if adequate data is present to perform an initial screening or if additional data is needed.

Step 6: If there is adequate data, DNREC-RS and the owner or operator will agree that an initial screening will be performed by a HSCA certified consultant or DNREC-RS.

Step 7: If additional data is needed, DNREC-RS will require the owner or operator to collect additional data and perform an initial screening using a HSCA certified consultant under the letter agreement. The owner or operator may choose to bypass this step and proceed through the HSCA process to receive a Certificate of Completion of Remedy (COCR) for the facility under the Voluntary Cleanup Program (VCP) or Brownfields Development Program (BDP).

Step 8: If the initial screening indicates that the release does not exceed acceptable risk, then DNREC-RS issues a Conditional No Further Action. If the initial screening exceeds the acceptable risk, then the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.2 Notification during land disturbing activities

7.2.1 If evidence of a release, such as a stained soil, free product or buried materials, was discovered during land disturbing activities, the owner or operator must notify the 24 Hour

Release Hotline (800-662-8802) within 24 hours of learning of the evidence of release, and the following steps are taken:

Step 1: DNREC Emergency Prevention and Response Section (EPRS) visits the site and determines that (1) no action is needed; (2) action under DNREC-RS is needed and refers the facility to DNREC-RS; (3) immediate action is needed and requires the owner or operator to perform the action; (4) residual contamination is present after the immediate action and refers the facility to DNREC-RS; or (5) the site should be referred to a section other than DNREC-RS.

Step 2: DNREC-RS receives notification from EPRS and performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site. One of the following will occur:

(1) DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

(2) DNREC-RS determines that the action taken by EPRS meets the interim action definition under the Regulations Governing Hazardous Substance Cleanup and the site proceeds through the HSCA process to receive a COCR under the VCP or BDP.

Step 5: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.3 Notification by DNREC to the owner or operator

7.3.1 If DNREC-RS becomes aware of a release that exceeds a reporting level or evidence of a release, such as stained soil, free product or buried materials, the following steps are taken:

Step 1: DNREC-RS contacts the owner or operator and collects additional information, including whether the owner is planning on undertaking land disturbing activities.

Step 2: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 5: DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

Step 6: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

8.0 Penalty for Failure to Notify

8.1 If an owner or operator fails to notify DNREC-RS of hazardous substances at or above reporting levels prior to undertaking land disturbing activities or fails to notify DNREC-RS or EPRS of evidence of a release during land disturbing activities, then a Public Hearing will occur and the Department may issue a Secretary's Order to the owner or operator.

8.2 Under HSCA §9109(f), the Secretary has the authority to issue an order to anyone who fails to report a release as required by the regulations. If an owner or operator fails to comply with the Secretary's order, they may be subject to a civil penalty of up to $10,000 per day for each day of non-compliance.

Appendix A

HSCA Reporting Level Table

The reporting level table is arranged in the following manner:

Analyte is indicated in column 1.
Chemical Abstracts Service (CAS) registry number corresponding to the analyte is indicated in column 2. If a CAS number is not available for an analyte, another identifier may be indicated in this column for administrative purposes only.
Whether the analyte is carcinogenic or non-carcinogenic is indicated in column 3.
If analyte is part of EPA's Target Analyte List (TAL) or Target Compound List (TCL), 'TAL' or 'TCL' is indicated in column 4.
Reporting level for soil (direct contact) is indicated in milligrams per kilogram (mg/kg) in column 5.
Key describing how soil (direct contact) reporting level was derived is included in column 6.
Reporting level for groundwater (ingestion) is indicated in micrograms per liter (ug/l) in column 7.
Key describing how groundwater (ingestion) reporting level was derived is included in column 8.

The keys, which describe how the reporting levels were derived, are defined as follows:

BTV	Background Threshold Value was calculated based on samples from Delaware background studies. For soil: The concentration is either a 95% Upper Tolerance Limit (UTL) with 95% coverage (for metals), which represents the value below which 95% of the population values are expected to fall with 95% confidence, or a 95% Upper Simultaneous Limit (USL) (for PAHs) with the exception of Arsenic. Arsenic's background concentration was established previously.
DE MCL	Delaware Maximum Contaminant Level
DRO	DNREC Tier 0 action level for TPH-DRO was adopted as the reporting level
GRO	DNREC Tier 0 action level for TPH-GRO was adopted as the reporting level
MAX	Maximum ceiling value was adopted as the reporting level
MCL	Federal Maximum Contaminant Level
NIOSH	Reporting level was based on the National Institute for Occupational Safety & Health (NIOSH) Exposure Limit
PYR	EPA RSL for Pyrene was adopted as the reporting level for Phenanthrene, although Phenanthrene is not included within the EPA RSL table
RSL	EPA Regional Screening Level (with TR = IE-05 and THQ = 0.1)
TAL	EPA Target Analyte List for Metals and Cyanide
TCL	EPA Target Compound List for Volatile Compounds, Semivolatile Compounds, and Pesticides/Aroclors
mg/kg	milligrams per kilogram
ug/l	micrograms per liter
c	carcinogenic
n	non-carcinogenic

Note: EPA's Regional Screening Levels are found at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. EPA's RSL calculator is found at https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search.

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acephate	30560-19-1	n		19	RSL		
Acetaldehyde	75-07-0	n		82	RSL		
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	n		32	RSL		
Acetochlor	34256-82-1	n		1300	RSL		
Acetone	67-64-1	n	TCL	70000	RSL		
Acetone Cyanohydrin	75-86-5	n		100000	MAX		
Acetonitrile	75-05-8	n		810	RSL		
Acetophenone	98-86-2	n	TCL	7800	RSL		
Acetylaminofluorene, 2-	53-96-3	c		1.4	RSL		
Acrolein	107-02-8	n		0.14	RSL		
Acrylamide	79-06-1	c		2.4	RSL		
Acrylic Acid	79-10-7	n		20	RSL		
Acrylonitrile	107-13-1	c		2.5	RSL		
Adiponitrile	111-69-3	n		100000	MAX		
Alachlor	15972-60-8	c		97	RSL	2	MCL
Aldicarb	116-06-3	n		63	RSL	3	MCL
Aldicarb Sulfone	1646-88-4	n		63	RSL	2	MCL
Aldicarb sulfoxide	1646-87-3					4	MCL
Aldrin	309-00-2	c	TCL	0.39	RSL		
Allyl Alcohol	107-18-6	n		3.5	RSL		
Allyl Chloride	107-05-1	n		1.7	RSL		
Aluminum	7429-90-5	n	TAL	77000	RSL		
Aluminum Phosphide	20859-73-8	n		31	RSL		
Ametryn	834-12-8	n		570	RSL		
Aminobiphenyl, 4-	92-67-1	c		0.26	RSL		
Aminophenol, m-	591-27-5	n		5100	RSL		
Aminophenol, o-	95-55-6	n		250	RSL		
Aminophenol, p-	123-30-8	n		1300	RSL		
Amitraz	33089-61-1	n		160	RSL		
Ammonium Picrate	131-74-8	n		130	RSL		
Ammonium Sulfamate	7773-06-0	n		16000	RSL		
Amyl Alcohol, tert-	75-85-4	n		82	RSL		
Aniline	62-53-3	n		440	RSL		
Anthraquinone, 9,10-	84-65-1	n		130	RSL		
Antimony (metallic)	7440-36-0	n	TAL	31	RSL	6	MCL
Antimony Pentoxide	1314-60-9	n		39	RSL		
Antimony Tetroxide	1332-81-6	n		31	RSL		
Antimony Trioxide	1309-64-4	n		50000	NIOSH		
Arsenic, Inorganic	7440-38-2	c	TAL	11	BTV	10	MCL
Arsine	7784-42-1	n		0.27	RSL		
Asulam	3337-71-1	n		23000	RSL		
Atrazine	1912-24-9	c	TCL	24	RSL	3	MCL
Auramine	492-80-8	c		6.2	RSL		
Avermectin B1	65195-55-3	n		25	RSL		
Azinphos-methyl	86-50-0	n		190	RSL		
Azobenzene	103-33-3	c		56	RSL		
Azodicarbonamide	123-77-3	n		8600	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Barium	7440-39-3	n	TAL	15000	RSL	2000	MCL
Benfluralin	1861-40-1	n		390	RSL		
Benomyl	17804-35-2	n		3200	RSL		
Bensulfuron-methyl	83055-99-6	n		13000	RSL		
Bentazon	25057-89-0	n		1900	RSL		
Benzaldehyde	100-52-7	c	TCL	1700	RSL		
Benzene	71-43-2	c	TCL	12	RSL	5	MCL
Benzene, Trimethyl	25551-13-7	n		51	RSL		
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	n		19	RSL		
Benzenethiol	108-98-5	n		78	RSL		
Benzidine	92-87-5	c		0.0053	RSL		
Benzoic Acid	65-85-0	n		100000	MAX		
Benzotrichloride	98-07-7	c		0.53	RSL		
Benzyl Alcohol	100-51-6	n		6300	RSL		
Benzyl Chloride	100-44-7	c		11	RSL		
Beryllium and compounds	7440-41-7	n	TAL	160	RSL	4	MCL
Bifenox	42576-02-3	n		570	RSL		
Biphenthrin	82657-04-3	n		950	RSL		
Biphenyl, 1,1'-	92-52-4	n	TCL	47	RSL		
Bis(2-chloro-l-methylethyl) ether	108-60-1	n	TCL	3100	RSL		
Bis(2-chloroethoxy)methane	111-91-1	n	TCL	190	RSL		
Bis(2-chloroethyl)ether	111-44-4	c	TCL	2.3	RSL		
Bis(chloromethyl)ether	542-88-1	c		0.00083	RSL		
Bisphenol A	80-05-7	n		3200	RSL		
Boron And Borates Only	7440-42-8	n		16000	RSL		
Boron Trichloride	10294-34-5	n		100000	MAX		
Boron Trifluoride	7637-07-2	n		3100	RSL		
Bromate	15541-45-4	c		9.9	RSL	10	MCL
Bromo-2-chloroethane, 1-	107-04-0	n		0.35	RSL		
Bromo-3-fluorobenzene, 1-	1073-06-9	n		23	RSL		
Bromo-4-fluorobenzene, 1-	460-00-4	n		23	RSL		
Bromoacetic acid	79-08-3	n		110	RSL	60	MCL
Bromobenzene	108-86-1	n		290	RSL		
Bromochloromethane	74-97-5	n	TCL	150	RSL		
Bromodichloromethane	75-27-4	c	TCL	2.9	RSL	80	MCL
Bromoform	75-25-2	c	TCL	190	RSL	80	MCL
Bromomethane	74-83-9	n	TCL	6.8	RSL		
Bromophos	2104-96-3	n		390	RSL		
Bromopropane, 1-	106-94-5	c		16	RSL		
Bromoxynil	1689-84-5	c		53	RSL		
Bromoxynil Octanoate	1689-99-2	c		67	RSL		
Butadiene, 1,3-	106-99-0	c		0.76	RSL		
Butanol, n-	71-36-3	n		7800	RSL		
Butyl Alcohol, t-	75-65-0	c		14000	RSL		
Butyl alcohol, sec-	78-92-2	n		100000	MAX		
Butylate	2008-41-5	n		3900	RSL		
Butylated hydroxyanisole	25013-16-5	c		27000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Butylated hydroxytoluene	128-37-0	c		1500	RSL		
Butylbenzene, n-	104-51-8	n		3900	RSL		
Butylbenzene, sec-	135-98-8	n		7800	RSL		
Butylbenzene, tert-	98-06-6	n		7800	RSL		
Cacodylic Acid	75-60-5	n		1300	RSL		
Cadmium	7440-43-9	n	TAL	7.1	RSL	5	MCL
Caprolactam	105-60-2	n	TCL	31000	RSL		
Captafol	2425-06-1	c		36	RSL		
Captan	133-06-2	c		2400	RSL		
Carbaryl	63-25-2	n		6300	RSL		
Carbofuran	1563-66-2	n		320	RSL	40	MCL
Carbon Disulfide	75-15-0	n	TCL	770	RSL		
Carbon Tetrachloride	56-23-5	c	TCL	6.5	RSL	5	MCL
Carbonyl Sulfide	463-58-1	n		67	RSL		
Carbosulfan	55285-14-8	n		630	RSL		
Carboxin	5234-68-4	n		6300	RSL		
Ceric oxide	1306-38-3	n		100000	MAX		
Chloral Hydrate	302-17-0	n		7800	RSL		
Chloramben	133-90-4	n		950	RSL		
Chloranil	118-75-2	c		13	RSL		
Chlordane (alpha)	5103-71-9	n	TCL	36	RSL		
Chlordane (gamma)	5103-74-2	n	TCL	36	RSL		
Chlordane (technical mixture)	12789-03-6	c		17	RSL	2	MCL
Chlordecone (Kepone)	143-50-0	c		0.54	RSL		
Chlorfenvinphos	470-90-6	n		44	RSL		
Chlorimuron, Ethyl-	90982-32-4	n		5700	RSL		
Chlorine	7782-50-5	n		0.18	RSL		
Chlorine Dioxide	10049-04-4	n		2300	RSL		
Chlorite (Sodium Salt)	7758-19-2	n		2300	RSL	1000	MCL
Chloro-l,l-difluoroethane, 1-	75-68-3	n		54000	RSL		
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	c		0.036	RSL		
Chloro-2-methylaniline HCl, 4-	3165-93-3	c		12	RSL		
Chloro-2-methylaniline, 4-	95-69-2	c		54	RSL		
Chloroacetaldehyde, 2-	107-20-0	c		26	RSL		
Chloroacetic Acid	79-11-8	n		220	RSL	60	MCL
Chloroacetophenone, 2-	532-27-4	n		43000	RSL		
Chloroaniline, p-	106-47-8	c	TCL	27	RSL		
Chlorobenzene	108-90-7	n	TCL	280	RSL	100	MCL
Chlorobenzene sulfonic acid, p-	98-66-8	n		6300	RSL		
Chlorobenzilate	510-15-6	c		49	RSL		
Chlorobenzoic Acid, p-	74-11-3	n		1900	RSL		
Chlorobenzotrifluoride, 4-	98-56-6	c		22	RSL		
Chlorobutane, 1-	109-69-3	n		3100	RSL		
Chlorodifluoromethane	75-45-6	n		49000	RSL		
Chloroethanol, 2-	107-07-3	n		1600	RSL		
Chloroform	67-66-3	c	TCL	3.2	RSL	80	MCL
Chloromethane	74-87-3	n	TCL	110	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Chloromethyl Methyl Ether	107-30-2	c		0.2	RSL		
Chloronitrobenzene, o-	88-73-3	c		18	RSL		
Chloronitrobenzene, p-	100-00-5	n		44	RSL		
Chlorophenol, 2-	95-57-8	n	TCL	390	RSL		
Chloropicrin	76-06-2	n		2	RSL		
Chlorothalonil	1897-45-6	c		320	RSL		
Chlorotoluene, o-	95-49-8	n		1600	RSL		
Chlorotoluene, p-	106-43-4	n		1600	RSL		
Chlorozotocin	54749-90-5	c		0.023	RSL		
Chlorpropham	101-21-3	n		320	RSL		
Chlorpyrifos	2921-88-2	n		63	RSL		
Chlorpyrifos Methyl	5598-13-0	n		630	RSL		
Chlorsulfuron	64902-72-3	n		3200	RSL		
Chlorthal-dimethyl	1861-32-1	n		630	RSL		
Chlorthiophos	60238-56-4	n		51	RSL		
Chromium(III), (Insoluble Salts)	16065-83-1	n		50000	NIOSH		
Chromium(III), (Soluble Compounds)	16065-83-1	n		85000	RSL		
Chromium(VI)	18540-29-9	c		9.5	RSL		
Chromium, Total	7440-47-3		TAL	210	BTV	100	MCL
Clofentezine	74115-24-5	n		820	RSL		
Cobalt	7440-48-4	n	TAL	34	BTV		
Copper	7440-50-8	n	TAL	3100	RSL	1300	MCL
Cresol, m-	108-39-4	n		3200	RSL		
Cresol, o-	95-48-7	n	TCL	3200	RSL		
Cresol, p-	106-44-5	n	TCL	1300	RSL		
Cresol, p-chloro-m-	59-50-7	n	TCL	6300	RSL		
Cresols	1319-77-3	n		6300	RSL		
Crotonaldehyde, trans-	123-73-9	c		3.7	RSL		
Cumene	98-82-8	n	TCL	1900	RSL		
Cupferron	135-20-6	c		25	RSL		
Cyanazine	21725-46-2	c		6.5	RSL		
Cyanides							
-Calcium Cyanide	592-01-8	n		78	RSL		
-Copper Cyanide	544-92-3	n		390	RSL		
-Cyanide (CN-)	57-12-5	n	TAL	24	RSL	200	MCL
-Cyanogen	460-19-5	n		78	RSL		
-Cyanogen Bromide	506-68-3	n		7000	RSL		
-Cyanogen Chloride	506-77-4	n		3900	RSL		
-Hydrogen Cyanide	74-90-8	n		23	RSL		
-Potassium Cyanide	151-50-8	n		160	RSL		
-Potassium Silver Cyanide	506-61-6	n		390	RSL		
-Silver Cyanide	506-64-9	n		7800	RSL		
-Sodium Cyanide	143-33-9	n		78	RSL	200	MCL
-Zinc Cyanide	557-21-1	n		3900	RSL		
Cyclohexane	110-82-7	n	TCL	6500	RSL		
Cyclohexane, l,2,3,4,5-pentabromo-6-chloro-	87-84-3	c		270	RSL		
Cyclohexanone	108-94-1	n		28000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Cyclohexene	110-83-8	n		310	RSL		
Cyclohexylamine	108-91-8	n		16000	RSL		
Cyfluthrin	68359-37-5	n		1600	RSL		
Cyromazine	66215-27-8	n		32000	RSL		
Dalapon	75-99-0	n		1900	RSL	200	MCL
Daminozide	1596-84-5	c		300	RSL		
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	n		440	RSL		
Demeton	8065-48-3	n		2.5	RSL		
Di(2-ethylhexyl)adipate	103-23-1	c		4500	RSL	400	MCL
Diallate	2303-16-4	c		89	RSL		
Diazinon	333-41-5	n		44	RSL		
Dibromo-3-chloropropane, 1,2-	96-12-8	c	TCL	0.053	RSL	0.2	MCL
Dibromoacetic acid	631-64-1	n		19	RSL	60	MCL
Dibromobenzene, 1,3-	108-36-1	n		31	RSL		
Dibromobenzene, 1,4-	106-37-6	n		780	RSL		
Dibromochloromethane	124-48-1	c	TCL	83	RSL	80	MCL
Dibromoethane, 1,2-	106-93-4	c	TCL	0.36	RSL	0.05	MCL
Dibromomethane (Methylene Bromide)	74-95-3	n		24	RSL		
Dibutyltin Compounds	E1790661	n		19	RSL		
Dicamba	1918-00-9	n		1900	RSL		
Dichloro-2-butene, 1,4-	764-41-0	c		0.021	RSL		
Dichloro-2-butene, cis-1,4-	1476-11-5	c		0.074	RSL		
Dichloro-2-butene, trans-1,4-	110-57-6	c		0.074	RSL		
Dichloroacetic Acid	79-43-6	c		110	RSL	60	MCL
Dichlorobenzene, 1,2-	95-50-1	n	TCL	1800	RSL	600	MCL
Dichlorobenzene, 1,4-	106-46-7	c	TCL	26	RSL	75	MCL
Dichlorobenzidine, 3,3'-	91-94-1	c	TCL	12	RSL		
Dichlorobenzophenone, 4,4'-	90-98-2	n		570	RSL		
Dichlorodifluoromethane	75-71-8	n	TCL	87	RSL		
Dichlorodiphenyldichloroethane, p,p'- (DDD)	72-54-8	c	TCL	23	RSL		
Dichlorodiphenyldichloroethylene, p,p'- (DDE)	72-55-9	c	TCL	20	RSL		
Dichlorodiphenyltrichloroethane, p,p'- (DDT)	50-29-3	c	TCL	19	RSL		
Dichloroethane, 1,1-	75-34-3	c	TCL	36	RSL		
Dichloroethane, 1,2-	107-06-2	c	TCL	4.6	RSL	5	MCL
Dichloroethylene, 1,1-	75-35-4	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, cis-1,2-	156-59-2	n	TCL	63	RSL	70	MCL
Dichloroethylene, trans-1,2-	156-60-5	n	TCL	70	RSL	100	MCL
Dichlorophenol, 2,4-	120-83-2	n	TCL	190	RSL		
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	n		700	RSL	70	MCL
Dichloropropane, 1,2-	78-87-5	n	TCL	16	RSL	5	MCL
Dichloropropane, 1,3-	142-28-9	n		1600	RSL		
Dichloropropanol, 2,3-	616-23-9	n		190	RSL		
Dichloropropene, 1,3-	542-75-6	c		18	RSL		
Dichlorvos	62-73-7	c		19	RSL		
Dicrotophos	141-66-2	n		1.9	RSL		
Dicyclopentadiene	77-73-6	n		1.3	RSL		
Dieldrin	60-57-1	c	TCL	0.34	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diethanolamine	111-42-2	n		130	RSL		
Diethylene Glycol Monobutyl Ether	112-34-5	n		1900	RSL		
Diethylene Glycol Monoethyl Ether	111-90-0	n		3800	RSL		
Diethylformamide	617-84-5	n		78	RSL		
Diethylstilbestrol	56-53-1	c		0.016	RSL		
Difenzoquat	43222-48-6	n		5200	RSL		
Diflubenzuron	35367-38-5	n		1300	RSL		
Difluoroethane, 1,1-	75-37-6	n		48000	RSL		
Difluoropropane, 2,2-	420-45-1	n		24000	RSL		
Dihydrosafrole	94-58-6	c		99	RSL		
Diisopropyl Ether	108-20-3	n		2200	RSL		
Diisopropyl Methylphosphonate	1445-75-6	n		6300	RSL		
Dimethipin	55290-64-7	n		1400	RSL		
Dimethoate	60-51-5	n		140	RSL		
Dimethoxybenzidine, 3,3'-	119-90-4	c		0.76	RSL		
Dimethyl Sulfide	75-18-3	n		0.62	RSL		
Dimethyl methylphosphonate	756-79-6	c		3200	RSL		
Dimethylamino azobenzene [p-]	60-11-7	c		1.2	RSL		
Dimethylaniline HCl, 2,4-	21436-96-4	c		9.4	RSL		
Dimethylaniline, 2,4-	95-68-1	c		27	RSL		
Dimethylaniline, N,N-	121-69-7	n		160	RSL		
Dimethylbenzidine, 3,3'-	119-93-7	c		0.11	RSL		
Dimethylformamide	68-12-2	n		2600	RSL		
Dimethylhydrazine, 1,1-	57-14-7	n		0.057	RSL		
Dimethylhydrazine, 1,2-	540-73-8	c		0.0088	RSL		
Dimethylphenol, 2,4-	105-67-9	n	TCL	1300	RSL		
Dimethylphenol, 2,6-	576-26-1	n		38	RSL		
Dimethylphenol, 3,4-	95-65-8	n		63	RSL		
Dimethylvinylchloride	513-37-1	c		11	RSL		
Dinitro-o-cresol, 4,6-	534-52-1	n	TCL	5.1	RSL		
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	n		130	RSL		
Dinitroaniline, 3,5-	618-87-1	n		25	RSL		
Dinitrobenzene, 1,2-	528-29-0	n		6.3	RSL		
Dinitrobenzene, 1,3-	99-65-0	n		6.3	RSL		
Dinitrobenzene, 1,4-	100-25-4	n		6.3	RSL		
Dinitrophenol, 2,4-	51-28-5	n	TCL	130	RSL		
Dinitrotoluene Mixture, 2,4/2,6-	E1615210	c		8	RSL		
Dinitrotoluene, 2,4-	121-14-2	c	TCL	17	RSL		
Dinitrotoluene, 2,6-	606-20-2	c	TCL	3.6	RSL		
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	n		7.7	RSL		
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	n		7.7	RSL		
Dinitrotoluene, Technical grade	25321-14-6	c		12	RSL		
Dinoseb	88-85-7	n		63	RSL	7	MCL
Dioxane, 1,4-	123-91-1	c		53	RSL		
Dioxins							
~Hexachlorodibenzo-p-dioxin, Mixture	34465-46-8	c		0.001	RSL		
~Tetrachlorodibenzo-p-dioxin, 2,3,7,8- (2,3,7,8-TCDD)	1746-01-6	c		0.000048	RSL	0.00003	MCL

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diphenamid	957-51-7	n		1900	RSL		
Diphenyl Ether	101-84-8	n		34	RSL		
Diphenyl Sulfone	127-63-9	n		51	RSL		
Diphenylamine	122-39-4	n		6300	RSL		
Diphenylhydrazine, 1,2-	122-66-7	c		6.8	RSL		
Diquat	2764-72-9	n		140	RSL	20	MCL
Direct Black 38	1937-37-7	c		0.73	RSL		
Direct Blue 6	2602-46-2	c		0.73	RSL		
Direct Brown 95	16071-86-6	c		0.81	RSL		
Disulfoton	298-04-4	n		2.5	RSL		
Dithiane, 1,4-	505-29-3	n		780	RSL		
Diuron	330-54-1	n		130	RSL		
Dodine	2439-10-3	n		1300	RSL		
Endosulfan	115-29-7	n		470	RSL		
Endosulfan Sulfate	1031-07-8	n	TCL	380	RSL		
Endothall	145-73-3	n		1300	RSL	100	MCL
Endrin	72-20-8	n	TCL	19	RSL	2	MCL
Epichlorohydrin	106-89-8	n		19	RSL		
Epoxybutane, 1,2-	106-88-7	n		160	RSL		
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	n		2500	RSL		
Ethephon	16672-87-0	n		320	RSL		
Ethion	563-12-2	n		32	RSL		
Ethoxyethanol Acetate, 2-	111-15-9	n		2600	RSL		
Ethoxyethanol, 2-	110-80-5	n		2600	RSL		
Ethyl Acetate	141-78-6	n		620	RSL		
Ethyl Acrylate	140-88-5	n		47	RSL		
Ethyl Chloride	75-00-3	n	TCL	5400	RSL		
Ethyl Ether	60-29-7	n		16000	RSL		
Ethyl Methacrylate	97-63-2	n		1800	RSL		
Ethyl Tertiary Butyl Ether (ETBE)	637-92-3	c		1300	RSL		
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	n		3900	RSL		
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	n		0.63	RSL		
Ethylbenzene	100-41-4	c	TCL	58	RSL	700	MCL
Ethylene Cyanohydrin	109-78-4	n		4400	RSL		
Ethylene Diamine	107-15-3	n		7000	RSL		
Ethylene Glycol	107-21-1	n		51000	RSL		
Ethylene Glycol Monobutyl Ether	111-76-2	n		6300	RSL		
Ethylene Oxide	75-21-8	c		0.02	RSL		
Ethylene Thiourea	96-45-7	n		5.1	RSL		
Ethyleneimine	151-56-4	c		0.027	RSL		
Ethylphthalyl Ethyl Glycolate	84-72-0	n		100000	MAX		
Fenamiphos	22224-92-6	n		16	RSL		
Fenpropathrin	39515-41-8	n		1600	RSL		
Fenvalerate	51630-58-1	n		1600	RSL		
Fluometuron	2164-17-2	n		820	RSL		
Fluoride	16984-48-8	n		3100	RSL		
Fluorine (Soluble Fluoride)	7782-41-4	n		4700	RSL	2000	DE_MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Fluridone	59756-60-4	n		5100	RSL		
Flurprimidol	56425-91-3	n		2500	RSL		
Flusilazole	85509-19-9	n		130	RSL		
Flutolanil	66332-96-5	n		32000	RSL		
Fluvalinate	69409-94-5	n		630	RSL		
Folpet	133-07-3	n		5700	RSL		
Fomesafen	72178-02-0	n		630	RSL		
Fonofos	944-22-9	n		130	RSL		
Formaldehyde	50-00-0	c		43	RSL		
Formic Acid	64-18-6	n		29	RSL		
Fosetyl-AL	39148-24-8	n		100000	MAX		
Furans							
~Dibenzofuran	132-64-9	n	TCL	78	RSL		
~Furan	110-00-9	n		78	RSL		
-Tetrahydrofuran	109-99-9	n		18000	RSL		
Furazolidone	67-45-8	c		1.4	RSL		
Furfural	98-01-1	n		210	RSL		
Furium	531-82-8	c		3.6	RSL		
Furmecyclox	60568-05-0	c		180	RSL		
Glufosinate, Ammonium	77182-82-2	n		380	RSL		
Glutaraldehyde	111-30-8	n		6000	RSL		
Glycidaldehyde	765-34-4	n		23	RSL		
Glyphosate	1071-83-6	n		6300	RSL	700	MCL
Guanidine	113-00-8	n		780	RSL		
Guanidine Chloride	50-01-1	n		1300	RSL		
Guanidine Nitrate	506-93-4	n		1900	RSL		
Haloxyfop, Methyl	69806-40-2	n		3.2	RSL		
Heptachlor	76-44-8	c	TCL	1.3	RSL	0.4	MCL
Heptachlor Epoxide	1024-57-3	c	TCL	0.7	RSL	0.2	MCL
Heptanal, n-	111-71-7	n		24	RSL		
Heptane, N-	142-82-5	n		22	RSL		
Hexabromobenzene	87-82-1	n		160	RSL		
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	n		13	RSL		
Hexachlorobenzene	118-74-1	n	TCL	0.78	RSL	1	MCL
Hexachlorobutadiene	87-68-3	c	TCL	12	RSL		
Hexachlorocyclohexane, Alpha-	319-84-6	c	TCL	0.86	RSL		
Hexachlorocyclohexane, Beta-	319-85-7	c	TCL	3	RSL		
Hexachlorocyclohexane, Delta-	319-86-8	n		0.0038	RSL		
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Technical	608-73-1	c		3	RSL		
Hexachlorocyclopentadiene	77-47-4	n	TCL	1.8	RSL	50	MCL
Hexachloroethane	67-72-1	c	TCL	18	RSL		
Hexachlorophene	70-30-4	n		19	RSL		
Hexahydro-1,3,5-trinitro-l,3,5-triazine (RDX)	121-82-4	c		83	RSL		
Hexamethylene Diisocyanate, 1,6-	822-06-0	n		3.1	RSL		
Hexamethylene diisocyanate biuret	4035-89-6	n		100000	MAX		
Hexamethylene diisocyanate isocyanurate	3779-63-3	n		100000	MAX		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Hexamethylphosphoramide	680-31-9	n		25	RSL		
Hexane, Commercial	E5241997	c		120	RSL		
Hexane, n-	110-54-3	n		610	RSL		
Hexanedioic Acid	124-04-9	n		100000	MAX		
Hexanol, 1-,2-ethyl- (2-Ethyl-l-hexanol)	104-76-7	n		15	RSL		
Hexanone, 2-	591-78-6	n	TCL	200	RSL		
Hexazinone	51235-04-2	n		2100	RSL		
Hexythiazox	78587-05-0	n		1600	RSL		
Hydramethylnon	67485-29-4	n		1100	RSL		
Hydrazine	302-01-2	c		0.32	RSL		
Hydrazine Sulfate	10034-93-2	c		2.3	RSL		
Hydrogen Chloride	7647-01-0	n		100000	MAX		
Hydrogen Fluoride	7664-39-3	n		3100	RSL		
Hydrogen Sulfide	7783-06-4	n		100000	MAX		
Hydroquinone	123-31-9	c		90	RSL		
Imazalil	35554-44-O	c		89	RSL		
Imazaquin	81335-37-7	n		16000	RSL		
Imazethapyr	81335-77-5	n		100000	MAX		
Iodine	7553-56-2	n		780	RSL		
Iprodione	36734-19-7	n		2500	RSL		
Iron	7439-89-6	n	TAL	75000	BTV		
Isobutyl Alcohol	78-83-1	n		7800	RSL		
Isophorone	78-59-1	c	TCL	5700	RSL		
Isopropalin	33820-53-0	n		1200	RSL		
Isopropanol	67-63-0	n		5600	RSL		
Isopropyl Methyl Phosphonic Acid	1832-54-8	n		6300	RSL		
Isopropyltoluene, p-	99-87-6	n		170	RSL		
Isoxaben	82558-50-7	n		3200	RSL		
Lactofen	77501-63-4	n		510	RSL		
Lactonitrile	78-97-7	n		13	RSL		
Lanthanum	7439-91-0	n		3.9	RSL		
Lanthanum Acetate Hydrate	100587-90-4	n		1.3	RSL		
Lanthanum Chloride Heptahydrate	10025-84-0	n		1.5	RSL		
Lanthanum Chloride, Anhydrous	10099-58-8	n		2.2	RSL		
Lanthanum Nitrate Hexahydrate	10277-43-7	n		1.3	RSL		
Lead Compounds							
-Lead Phosphate	7446-27-7	c		820	RSL		
~Lead acetate	301-04-2	c		26	RSL		
-Lead and Compounds	7439-92-1		TAL	200	RSL	10	MCL
-Lead subacetate	1335-32-6	c		140	RSL		
-Tetraethyl Lead	78-00-2	n		0.0078	RSL		
Lewisite	541-25-3	n		0.39	RSL		
Linuron	330-55-2	n		490	RSL		
Lithium	7439-93-2	n		160	RSL		
Malathion	121-75-5	n		1300	RSL		
Maleic Anhydride	108-31-6	n		6300	RSL		
Maleic Hydrazide	123-33-1	n		32000	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Malononitrile	109-77-3	n		6.3	RSL		
Mancozeb	8018-01-7	n		1900	RSL		
Maneb	12427-38-2	n		320	RSL		
Manganese	7439-96-5	n	TAL	2100	BTV		
Mephosfolan	950-10-7	n		5.7	RSL		
Mepiquat Chloride	24307-26-4	n		1900	RSL		
Mercaptobenzothiazole, 2-	149-30-4	n		250	RSL		
Mercury Compounds							
-Mercuric Chloride	7487-94-7	n		23	RSL	2	MCL
-Mercury (elemental)	7439-97-6	n	TAL	7.1	RSL	2	MCL
-Methyl Mercury	22967-92-6	n		7.8	RSL		
-Phenylmercuric Acetate	62-38-4	n		5.1	RSL		
Merphos	150-50-5	n		2.3	RSL		
Metalaxyl	57837-19-1	n		3800	RSL		
Methacrylonitrile	126-98-7	n		7.5	RSL		
Methamidophos	10265-92-6	n		3.2	RSL		
Methanol	67-56-1	n		100000	MAX		
Methidathion	950-37-8	n		95	RSL		
Methomyl	16752-77-5	n		1600	RSL		
Methoxy-5-nitroaniline, 2-	99-59-2	c		110	RSL		
Methoxychlor	72-43-5	n	TCL	320	RSL	40	MCL
Methoxyethanol Acetate, 2-	110-49-6	n		110	RSL		
Methoxyethanol, 2-	109-86-4	n		260	RSL		
Methyl Acetate	79-20-9	n	TCL	78000	RSL		
Methyl Acrylate	96-33-3	n		150	RSL		
Methyl Ethyl Ketone (2-Butanone)	78-93-3	n	TCL	27000	RSL		
Methyl Hydrazine	60-34-4	n		1	RSL		
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	n	TCL	33000	RSL		
Methyl Isocyanate	624-83-9	n		4.6	RSL		
Methyl Methacrylate	80-62-6	n		4400	RSL		
Methyl Parathion	298-00-0	n		16	RSL		
Methyl Phosphonic Acid	993-13-5	n		3800	RSL		
Methyl Styrene (Mixed Isomers)	25013-15-4	n		320	RSL		
Methyl methanesulfonate	66-27-3	c		55	RSL		
Methyl tert-Butyl Ether (MTBE)	1634-04-4	c	TCL	470	RSL	10	DE_MCL
Methyl-l,4-benzenediamine dihydrochloride, 2-	615-45-2	n		19	RSL		
Methyl-2-Pentanol, 4-	108-11-2	n		54000	RSL		
Methyl-5-Nitroaniline, 2-	99-55-8	c		600	RSL		
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	c		0.65	RSL		
Methylaniline Hydrochloride, 2-	636-21-5	c		42	RSL		
Methylarsonic acid	124-58-3	n		630	RSL		
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	n		13	RSL		
Methylbenzene-l,4-diamine sulfate, 2-	615-50-9	n		19	RSL		
Methylcholanthrene, 3-	56-49-5	c		0.055	RSL		
Methylcyclohexane	108-87-2	n		98	RSL		
Methylene Chloride	75-09-2	n	TCL	350	RSL	5	MCL
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	c		12	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	c		120	RSL		
Methylenebisbenzenamine, 4,4'-	101-77-9	c		3.4	RSL		
Methylenediphenyl Diisocyanate	101-68-8	n		100000	MAX		
Methylstyrene, Alpha-	98-83-9	n		5500	RSL		
Metolachlor	51218-45-2	n		9500	RSL		
Metribuzin	21087-64-9	n		1600	RSL		
Metsulfuron-methyl	74223-64-6	n		16000	RSL		
Mineral oils	8012-95-1	n		100000	MAX		
Mirex	2385-85-5	c		0.36	RSL		
Molinate	2212-67-1	n		130	RSL		
Molybdenum	7439-98-7	n		390	RSL		
Monochloramine	10599-90-3	n		7800	RSL		
Monomethylaniline	100-61-8	n		130	RSL		
Myclobutanil	88671-89-0	n		1600	RSL		
N,N'-Diphenyl-l,4-benzenediamine	74-31-7	n		19	RSL		
Naled	300-76-5	n		160	RSL		
Naphtha, High Flash Aromatic (HFAN)	64742-95-6	n		2300	RSL		
Napropamide	15299-99-7	n		7600	RSL		
Nickel Acetate	373-02-4	n		670	RSL		
Nickel Carbonate	3333-67-3	n		670	RSL		
Nickel Carbonyl	13463-39-3	n		820	RSL		
Nickel Hydroxide	12054-48-7	n		820	RSL		
Nickel Oxide	1313-99-1	n		840	RSL		
Nickel Refinery Dust	E715532	n		820	RSL		
Nickel Soluble Salts	7440-02-0	n	TAL	1400	RSL	100	DE_MCL
Nickel Subsulfide	12035-72-2	c		4.1	RSL		
Nickelocene	1271-28-9	c		6	RSL		
Nitrate (measured as nitrogen)	14797-55-8	n		100000	MAX	10000	MCL
Nitrate + Nitrite (measured as nitrogen)	E701177					10000	MCL
Nitrite (measured as nitrogen)	14797-65-0	n		7800	RSL	1000	MCL
Nitroaniline, 2-	88-74-4	n	TCL	630	RSL		
Nitroaniline, 4-	100-01-6	n	TCL	250	RSL		
Nitrobenzene	98-95-3	c	TCL	51	RSL		
Nitrocellulose	9004-70-0	n		100000	MAX		
Nitrofurantoin	67-20-9	n		4400	RSL		
Nitrofurazone	59-87-0	c		4.2	RSL		
Nitroglycerin	55-63-0	n		6.3	RSL		
Nitroguanidine	556-88-7	n		6300	RSL		
Nitromethane	75-52-5	c		54	RSL		
Nitropropane, 2-	79-46-9	c		0.64	RSL		
Nitroso-N-ethylurea, N-	759-73-9	c		0.045	RSL		
Nitroso-N-methylurea, N-	684-93-5	c		0.01	RSL		
Nitrosodibutylamine, N-	924-16-3	c		0.99	RSL		
Nitrosodiethanolamine, N-	1116-54-7	c		1.9	RSL		
Nitrosodiethylamine, N-	55-18-5	c		0.0081	RSL		
Nitrosodimethylamine, N-	62-75-9	c		0.02	RSL		
Nitrosodiphenylamine, N-	86-30-6	c	TCL	1100	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Nitrosodipropylamine, N-	621-64-7	c	TCL	0.78	RSL		
Nitrosomethylethylamine, N-	10595-95-6	c		0.2	RSL		
Nitrosomorpholine [N-]	59-89-2	c		0.81	RSL		
Nitrosopiperidine [N-]	100-75-4	c		0.58	RSL		
Nitrosopyrrolidine, N-	930-55-2	c		2.6	RSL		
Nitrotoluene, m-	99-08-1	n		6.3	RSL		
Nitrotoluene, o-	88-72-2	c		32	RSL		
Nitrotoluene, p-	99-99-0	n		250	RSL		
Nonane, n-	111-84-2	n		11	RSL		
Norflurazon	27314-13-2	n		95	RSL		
Octabromodiphenyl Ether	32536-52-0	n		190	RSL		
Octahydro-l,3,5,7-tetranitro-l,3,5,7-tetrazocine (HMX)	2691-41-0	n		3900	RSL		
Octamethylpyrophosphoramide	152-16-9	n		130	RSL		
Oryzalin	19044-88-3	c		700	RSL		
Oxadiazon	19666-30-9	n		320	RSL		
Oxamyl	23135-22-0	n		1600	RSL	200	MCL
Oxyfluorfen	42874-03-3	c		74	RSL		
Paclobutrazol	76738-62-0	n		820	RSL		
Paraquat Dichloride	1910-42-5	n		280	RSL		
Parathion	56-38-2	n		380	RSL		
Pebulate	1114-71-2	n		3900	RSL		
Pendimethalin	40487-42-1	n		19000	RSL		
Pentabromodiphenyl Ether	32534-81-9	n		160	RSL		
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	n		6.3	RSL		
Pentachlorobenzene	608-93-5	n		63	RSL		
Pentachloroethane	76-01-7	c		77	RSL		
Pentachloronitrobenzene	82-68-8	c		27	RSL		
Pentachlorophenol	87-86-5	c	TCL	10	RSL	1	MCL
Pentaerythritol tetranitrate (PETN)	78-11-5	n		570	RSL		
Pentamethylphosphoramide (PMPA)	10159-46-3	n		6.3	RSL		
Pentane, n-	109-66-0	n		810	RSL		
Per- and Polyfluoroalkyl Substances (PFAS Salts)							
-Ammonium perfluoro-2-methyl-3-oxahexanoate	62037-80-3	n		0.19	RSL		
-Ammonium perfluorobutanoate	10495-86-0	n		78	RSL		
-Ammonium perfluorodecanoate	3108-42-7	n		0.00013	RSL		
-Ammonium perfluorohexanoate	21615-47-4	n		32	RSL		
-Ammonium perfluorooctanoate	3825-26-1	c		0.00019	RSL		
-Lithium bis[(trifluoromethyl)sulfonyl]azanide	90076-65-6	n		23	RSL		
-Potassium perfluorobutanesulfonate	29420-49-3	n		19	RSL		
-Potassium perfluorobutanoate	2966-54-3	n		160	RSL		
-Potassium perfluorooctanesulfonate	2795-39-3	n		0.0063	RSL		
-Sodium perfluorobutanoate	2218-54-4	n		78	RSL		
-Sodium perfluorohexanoate	2923-26-4	n		32	RSL		
Per- and Polyfluoroalkyl Substances (PFAS)							
~Bis(trifluoromethylsulfonyl)amine (TFSI)	82113-65-3	n		23	RSL		
-Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	n		0.23	RSL	0.01	MCL
~Perfluoro(2-propoxypropanoate)	122499-17-6	n		0.23	RSL	0.01	MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Perfluorobutanesulfonate	45187-15-3	n		19	RSL		
~Perfluorobutanesulfonic acid (PFBS)	375-73-5	n		19	RSL		
~Perfluorobutanoate	45048-62-2	n		78	RSL		
“Perfluorobutanoic acid (PFBA)	375-22-4	n		78	RSL		
~Perfluorodecanoate	73829-36-4	n		0.00013	RSL		
“Perfluorodecanoic acid (PFDA)	335-76-2	n		0.00013	RSL		
~Perfluorododecanoic acid (PFDoDA)	307-55-1	n		3.2	RSL		
~Perfluorohexanesulfonate	108427-53-8	n		1.3	RSL	0.01	MCL
“Perfluorohexanesulfonic acid (PFHxS)	355-46-4	n		1.3	RSL	0.01	MCL
“Perfluorohexanoate	92612-52-7	n		32	RSL		
“Perfluorohexanoic acid (PFHxA)	307-24-4	n		32	RSL		
“Perfluorononanoate	72007-68-2	n		0.19	RSL	0.01	MCL
“Perfluorononanoic acid (PFNA)	375-95-1	n		0.19	RSL	0.01	MCL
~Perfluorooctadecanoic acid (PFODA)	16517-11-6	n		2500	RSL		
“Perfluorooctanesulfonate	45298-90-6	n		0.0063	RSL	0.004	MCL
“Perfluorooctanesulfonic acid (PFOS)	1763-23-1	n		0.0063	RSL	0.004	MCL
“Perfluorooctanoate	45285-51-6	c		0.00019	RSL	0.004	MCL
“Perfluorooctanoic acid (PFOA)	335-67-1	c		0.00019	RSL	0.004	MCL
“Perfluoropropanoic acid (PFPrA)	422-64-0	n		39	RSL		
~Perfluorotetradecanoic acid (PFTetDA)	376-06-7	n		63	RSL		
“Perfluoroundecanoic acid (PFUDA)	2058-94-8	n		19	RSL		
“Potassium perfluorodecanoate	51604-85-4	n		0.00014	RSL		
“Sodium perfluorodecanoate	3830-45-3	n		0.00013	RSL		
Perchlorates							
“Ammonium Perchlorate	7790-98-9	n		55	RSL		
“Lithium Perchlorate	7791-03-9	n		55	RSL		
“Perchlorate and Perchlorate Salts	14797-73-0	n		55	RSL	15	MCL
“Potassium Perchlorate	7778-74-7	n		55	RSL		
“Sodium Perchlorate	7601-89-0	n		55	RSL		
Permethrin	52645-53-1	n		3200	RSL		
Phenacetin	62-44-2	c		2500	RSL		
Phenmedipham	13684-63-4	n		15000	RSL		
Phenol	108-95-2	n	TCL	19000	RSL		
Phenol, 2-(l-methylethoxy)-, methylcarbamate	114-26-1	n		250	RSL		
Phenothiazine	92-84-2	n		32	RSL		
Phenyl Isothiocyanate	103-72-0	n		16	RSL		
Phenylenediamine, m-	108-45-2	n		380	RSL		
Phenylenediamine, o-	95-54-5	c		10	RSL		
Phenylenediamine, p-	106-50-3	n		63	RSL		
Phenylphenol, 2-	90-43-7	c		2800	RSL		
Phorate	298-02-2	n		13	RSL		
Phosgene	75-44-5	n		0.31	RSL		
Phosmet	732-11-6	n		1300	RSL		
Phosphates, Inorganic							
-Aluminum metaphosphate	13776-88-0	n		100000	MAX		
“Aluminum salts of inorganic phosphates	E524680405	n		23000	RSL		
~Dipotassium phosphate	7758-11-4	n		78000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Disodium phosphate	7558-79-4	n		78000	RSL		
~Monoaluminum phosphate	13530-50-2	n		100000	MAX		
-Monopotassium phosphate	7778-77-0	n		78000	RSL		
-Monosodium phosphate	7558-80-7	n		78000	RSL		
-Phosphoric Acid	7664-38-2	n		78000	RSL		
-Phosphoric acid, aluminum salt (1:1) [aluminum phosphate]	7784-30-7	n		86000	RSL		
-Phosphoric acid, aluminum sodium salt (1:X:X) [sodium aluminum	7785-88-8	n		100000	MAX		
-Polyphosphoric acid	8017-16-1	n		78000	RSL		
-Potassium salts of inorganic phosphates	E524680403	n		78000	RSL		
-Potassium tripolyphosphate	13845-36-8	n		78000	RSL		
-Sodium aluminum phosphate (anhydrous)	10279-59-1	n		100000	MAX		
-Sodium aluminum phosphate (tetrahydrate)	10305-76-7	n		100000	MAX		
-Sodium hexametaphosphate	10124-56-8	n		78000	RSL		
-Sodium polyphosphate	68915-31-1	n		78000	RSL		
-Sodium pyrophosphate	7758-16-9	n		78000	RSL		
-Sodium salts of inorganic phosphates	E524680404	n		78000	RSL		
-Sodium trimetaphosphate	7785-84-4	n		78000	RSL		
-Sodium tripolyphosphate	7758-29-4	n		78000	RSL		
-Tetrapotassium phosphate	7320-34-5	n		78000	RSL		
-Tetrasodium pyrophosphate	7722-88-5	n		78000	RSL		
-Trialuminum sodium tetra decahydrogenoctaorthophosphate	15136-87-5	n		100000	MAX		
-Triphosphoric acid, aluminum salt (1:1) [aluminum triphosphate]	13939-25-8	n		100000	MAX		
-Tripotassium phosphate	7778-53-2	n		78000	RSL		
-Trisodium phosphate	7601-54-9	n		78000	RSL		
Phosphine	7803-51-2	n		23	RSL		
Phosphorus	7723-14-0	n		1.6	RSL		
Phthalates							
~Bis(2-ethylhexyl)phthalate	117-81-7	c	TCL	390	RSL	6	MCL
-Butyl Benzyl Phthalate	85-68-7	c	TCL	2900	RSL		
-Butylphthalyl Butylglycolate	85-70-1	n		63000	RSL		
-Dibutyl Phthalate	84-74-2	n	TCL	6300	RSL		
-Diethyl Phthalate	84-66-2	n	TCL	51000	RSL		
-Dimethylterephthalate	120-61-6	n		7800	RSL		
-Octyl Phthalate, di-N-	117-84-0	n	TCL	630	RSL		
-Phthalic Acid, p-	100-21-0	n		32000	RSL		
-Phthalic Anhydride	85-44-9	n		100000	MAX		
Picloram	1918-02-1	n		4400	RSL	500	MCL
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	n		6.3	RSL		
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	n		130	RSL		
Pirimiphos, Methyl	29232-93-7	n		46	RSL		
Polybrominated Biphenyls	36355-01-8	c		0.18	RSL		
Polychlorinated Biphenyls (PCBs)							
-Aroclor 1016	12674-11-2	n	TCL	4.1	RSL		
-Aroclor 1221	11104-28-2	c	TCL	2	RSL		
-Aroclor 1232	11141-16-5	c	TCL	1.7	RSL		
-Aroclor 1242	53469-21-9	c	TCL	2.3	RSL		
-Aroclor 1248	12672-29-6	c	TCL	2.3	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Aroclor 1254	11097-69-1	n	TCL	1.2	RSL		
~Aroclor 1260	11096-82-5	c	TCL	2.4	RSL		
-Aroclor 5460	11126-42-4	n		35	RSL		
-Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	c		1.3	RSL		
-Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	c		1.2	RSL		
-Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	c		0.0012	RSL		
-Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	c		1.2	RSL		
-Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	c		0.00036	RSL		
-Polychlorinated Biphenyls (Total PCBs)	1336-36-3	c		2.3	RSL	0.5	MCL
-Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	c		0.38	RSL		
-Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	c		0.12	RSL		
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	n		100000	MAX		
Polynuclear Aromatic Hydrocarbons (PAHs)							
-Acenaphthene	83-32-9	n	TCL	3600	RSL		
-Anthracene	120-12-7	n	TCL	18000	RSL		
~Benz[a]anthracene	56-55-3	c	TCL	11	RSL		
~Benzo[a]pyrene	50-32-8	c	TCL	1.1	RSL	0.2	MCL
~Benzo[b]fluoranthene	205-99-2	c	TCL	11	RSL		
~Benzo[e]pyrene	192-97-2	n		5.7	RSL		
~Benzo[j]fluoranthene	205-82-3	c		4.2	RSL		
~Benzo[k]fluoranthene	207-08-9	c	TCL	110	RSL		
-Benzofluorene, 2,3-	243-17-4	n		320	RSL		
-Chloronaphthalene, Beta-	91-58-7	n	TCL	4800	RSL		
-Chrysene	218-01-9	c	TCL	1100	RSL		
~Dibenz[a,h]anthracene	53-70-3	c	TCL	1.1	RSL		
~Dibenzo[a,e]pyrene	192-65-4	c		0.42	RSL		
~Dimethylbenz[a]anthracene, 7,12-	57-97-6	c		0.0046	RSL		
-Fluoranthene	206-44-0	n	TCL	2400	RSL		
-Fluorene	86-73-7	n	TCL	2400	RSL		
~Indeno[l,2,3-cd]pyrene	193-39-5	c	TCL	11	RSL		
-Methylnaphthalene, 1-	90-12-0	n		0.18	RSL		
-Methylnaphthalene, 2-	91-57-6	n	TCL	240	RSL		
-Naphthalene	91-20-3	c	TCL	20	RSL		
-Naphthylamine, 2-	91-59-8	c		3	RSL		
-Nitropyrene, 4-	57835-92-4	c		4.2	RSL		
-Perylene	198-55-0	n		5.4	RSL		
-Phenanthrene	85-01-8	n	TCL	1800	PYR		
-Pyrene	129-00-0	n	TCL	1800	RSL		
Prochloraz	67747-09-5	c		36	RSL		
Profluralin	26399-36-0	n		470	RSL		
Prometon	1610-18-0	n		950	RSL		
Prometryn	7287-19-6	n		2500	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Pronamide	23950-58-5	n		4700	RSL		
Propachlor	1918-16-7	n		820	RSL		
Propanil	709-98-8	n		320	RSL		
Propargite	2312-35-8	c		28	RSL		
Propargyl Alcohol	107-19-7	n		160	RSL		
Propazine	139-40-2	n		1300	RSL		
Propham	122-42-9	n		1300	RSL		
Propiconazole	60207-90-1	n		6300	RSL		
Propionaldehyde	123-38-6	n		75	RSL		
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	n		63	RSL		
Propyl benzene	103-65-1	n		3800	RSL		
Propylene	115-07-1	n		2200	RSL		
Propylene Glycol	57-55-6	n		100000	MAX		
Propylene Glycol Dinitrate	6423-43-4	n		100000	MAX		
Propylene Glycol Monomethyl Ether	107-98-2	n		41000	RSL		
Propylene Oxide	75-56-9	c		21	RSL		
Pyridine	110-86-1	n		78	RSL		
Quinalphos	13593-03-8	n		32	RSL		
Quinoline	91-22-5	c		1.8	RSL		
Quizalofop-ethyl	76578-14-8	n		570	RSL		
Resmethrin	10453-86-8	n		1900	RSL		
Ronnel	299-84-3	n		3900	RSL		
Rotenone	83-79-4	n		250	RSL		
Safrole	94-59-7	c		5.5	RSL		
Selenious Acid	7783-00-8	n		390	RSL		
Selenium	7782-49-2	n	TAL	390	RSL	50	MCL
Selenium Sulfide	7446-34-6	n		390	RSL		
Sethoxydim	74051-80-2	n		8800	RSL		
Silica (crystalline, respirable)	7631-86-9	n		5000	NIOSH		
Silver	7440-22-4	n	TAL	390	RSL		
Simazine	122-34-9	c		45	RSL	4	MCL
Sodium Acifluorfen	62476-59-9	n		820	RSL		
Sodium Azide	26628-22-8	n		310	RSL		
Sodium Diethyldithiocarbamate	148-18-5	c		20	RSL		
Sodium Fluoride	7681-49-4	n		3900	RSL		
Sodium Fluoroacetate	62-74-8	n		1.3	RSL		
Sodium Metavanadate	13718-26-8	n		78	RSL		
Sodium Tungstate	13472-45-2	n		63	RSL		
Sodium Tungstate Dihydrate	10213-10-2	n		63	RSL		
Stirofos (Tetrachlorovinphos)	961-11-5	c		230	RSL		
Strontium, Stable	7440-24-6	n		47000	RSL		
Strychnine	57-24-9	n		19	RSL		
Styrene	100-42-5	n	TCL	6000	RSL	100	MCL
Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	57964-39-3	n		190	RSL		
Styrene-Acrylonitrile (SAN) Trimer (THNP isomer)	57964-40-6	n		190	RSL		
Sulfolane	126-33-0	n		63	RSL		
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	n		51	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Sulfur Trioxide	7446-11-9	n		100000	MAX		
Sulfuric Acid	7664-93-9	n		100000	MAX		
Sulfurous acid, 2-chloroethyl 2-[4-(l,l-dimethylethyl)phenoxy]-l-	140-57-8	c		220	RSL		
Tebuthiuron	34014-18-1	n		4400	RSL		
Temephos	3383-96-8	n		1300	RSL		
Terbacil	5902-51-2	n		820	RSL		
Terbufos	13071-79-9	n		2	RSL		
Terbutryn	886-50-0	n		63	RSL		
Tert-Butyl Acetate	540-88-5	c		81	RSL		
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	n		6.3	RSL		
Tetrachlorobenzene, 1,2,4,5-	95-94-3	n	TCL	2.3	RSL		
Tetrachloroethane, 1,1,1,2-	630-20-6	c		20	RSL		
Tetrachloroethane, 1,1,2,2-	79-34-5	c	TCL	6	RSL		
Tetrachloroethylene	127-18-4	n	TCL	81	RSL	1	DE_MCL
Tetrachlorophenol, 2,3,4,6-	58-90-2	n	TCL	1900	RSL		
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	c		0.43	RSL		
Tetraethyl Dithiopyrophosphate	3689-24-5	n		32	RSL		
Tetrafluoroethane, 1,1,1,2-	811-97-2	n		100000	MAX		
Tetramethylphosphoramide, -N,N,N',N'' (TMPA)	16853-36-4	n		6.3	RSL		
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	n		160	RSL		
Thallic Oxide	1314-32-5	n		1.6	RSL		
Thallium (1) Nitrate	10102-45-1	n		0.78	RSL		
Thallium (Soluble Salts)	7440-28-0	n	TAL	0.78	RSL	2	MCL
Thallium Acetate	563-68-8	n		0.78	RSL		
Thallium Carbonate	6533-73-9	n		1.3	RSL		
Thallium Chloride	7791-12-0	n		0.78	RSL		
Thallium Selenite	12039-52-0	n		0.78	RSL		
Thallium Sulfate	7446-18-6	n		1.6	RSL		
Thifensulfuron-methyl	79277-27-3	n		2700	RSL		
Thiobencarb	28249-77-6	n		630	RSL		
Thiocyanates	E1790665	n		16	RSL		
Thiocyanic Acid	463-56-9	n		16	RSL		
Thiocyanic acid, (2-benzothiazolylthio)methyl ester (TCMTB)	21564-17-0	n		1900	RSL		
Thiodiglycol	111-48-8	n		5400	RSL		
Thiofanox	39196-18-4	n		19	RSL		
Thiophanate, Methyl	23564-05-8	c		470	RSL		
Thiram	137-26-8	n		950	RSL		
Thitrol (MCPB)	94-81-5	n		2800	RSL		
Tin	7440-31-5	n		47000	RSL		
Titanium Tetrachloride	7550-45-0	n		50000	NIOSH		
Toluene	108-88-3	n	TCL	4900	RSL	1000	MCL
Toluene-2,4-diisocyanate	584-84-9	n		6.4	RSL		
Toluene-2,6-diisocyanate	91-08-7	n		5.3	RSL		
Toluenediamine, 2,3-	2687-25-4	n		6.3	RSL		
Toluenediamine, 2,5-	95-70-5	n		13	RSL		
Toluenediamine, 3,4-	496-72-0	n		6.3	RSL		
Toluic Acid, p-	99-94-5	n		320	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Toluidine, o- (Methylaniline, 2-)	95-53-4	c		340	RSL		
Toluidine, p-	106-49-0	c		180	RSL		
Total Petroleum Hydrocarbons (TPH)							
-Diesel Range Organics (DRO)	TPH.DRO			1000	DRO		
-Gasoline Range Organics (GRO)	TPH.GRO			100	GRO		
-Total Petroleum Hydrocarbons (Aliphatic High)	E1790670	n		100000	MAX		
-Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666	n		250	RSL		
-Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668	n		96	RSL		
-Total Petroleum Hydrocarbons (Aromatic High)	E1790676	n		18	RSL		
-Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	n		300	RSL		
Toxaphene	8001-35-2	c	TCL	4.9	RSL	3	MCL
Toxaphene, Weathered	E1841606	n		1.9	RSL		
Tralomethrin	66841-25-6	n		470	RSL		
Tri-n-butyltin	688-73-3	n		23	RSL		
Triacetin	102-76-1	n		100000	MAX		
Triadimefon	43121-43-3	n		2100	RSL		
Triallate	2303-17-5	c		97	RSL		
Triasulfuron	82097-50-5	n		630	RSL		
Tribenuron-methyl	101200-48-0	n		510	RSL		
Tribromobenzene, 1,2,4-	615-54-3	n		390	RSL		
Tribromophenol, 2,4,6-	118-79-6	n		570	RSL		
Tribufos	78-48-8	n		13	RSL		
Tributyl Phosphate	126-73-8	c		600	RSL		
Tributyltin Compounds	E1790679	n		19	RSL		
Tributyltin Oxide	56-35-9	n		19	RSL		
Trichloro-l,2,2-trifluoroethane, 1,1,2-	76-13-1	n	TCL	6700	RSL		
Trichloroacetic Acid	76-03-9	c		78	RSL	60	MCL
Trichloroaniline HCl, 2,4,6-	33663-50-2	c		190	RSL		
Trichloroaniline, 2,4,6-	634-93-5	n		1.9	RSL		
Trichlorobenzene, 1,2,3-	87-61-6	n	TCL	63	RSL		
Trichlorobenzene, 1,2,4-	120-82-1	n	TCL	58	RSL	70	MCL
Trichloroethane, 1,1,1-	71-55-6	n	TCL	8100	RSL	200	MCL
Trichloroethane, 1,1,2-	79-00-5	n	TCL	1.5	RSL	5	MCL
Trichloroethylene	79-01-6	n	TCL	4.1	RSL	1	DE_MCL
Trichlorofluoromethane	75-69-4	n	TCL	23000	RSL		
Trichlorophenol, 2,4,5-	95-95-4	n	TCL	6300	RSL		
Trichlorophenol, 2,4,6-	88-06-2	n	TCL	63	RSL		
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	n		630	RSL		
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	n		510	RSL	50	MCL
Trichloropropane, 1,1,2-	598-77-6	n		390	RSL		
Trichloropropane, 1,2,3-	96-18-4	c		0.051	RSL		
Trichloropropene, 1,2,3-	96-19-5	n		0.73	RSL		
Tricresyl Phosphate (TCP)	1330-78-5	n		1300	RSL		
Tridiphane	58138-08-2	n		190	RSL		
Triethylamine	121-44-8	n		120	RSL		
Triethylene Glycol	112-27-6	n		100000	MAX		
Trifluoroethane, 1,1,1-	420-46-2	n		15000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Trifluralin	1582-09-8	n		590	RSL		
Trimethyl Phosphate	512-56-1	c		270	RSL		
Trimethylbenzene, 1,2,3-	526-73-8	n		340	RSL		
Trimethylbenzene, 1,2,4-	95-63-6	n		300	RSL		
Trimethylbenzene, 1,3,5-	108-67-8	n		270	RSL		
Trimethylpentene, 2,4,4-	25167-70-8	n		780	RSL		
Trinitrobenzene, 1,3,5-	99-35-4	n		2200	RSL		
Trinitrotoluene, 2,4,6-	118-96-7	n		36	RSL		
Triphenylphosphine Oxide	791-28-6	n		1300	RSL		
Tris(l,3-Dichloro-2-propyl) Phosphate	13674-87-8	n		1300	RSL		
Tris(l-chloro-2-propyl)phosphate	13674-84-5	n		630	RSL		
Tris(2,3-dibromopropyl)phosphate	126-72-7	c		2.8	RSL		
Tris(2-chloroethyl)phosphate	115-96-8	c		270	RSL		
Tris(2-ethylhexyl)phosphate	78-42-2	c		1700	RSL		
Tungsten	7440-33-7	n		63	RSL		
Uranium (Soluble Salts)	7440-61-1	n		16	RSL	30	MCL
Urethane	51-79-6	c		1.2	RSL		
Vanadium Pentoxide	1314-62-1	n		660	RSL		
Vanadium and Compounds	7440-62-2	n	TAL	390	RSL		
Vernolate	1929-77-7	n		78	RSL		
Vinclozolin	50471-44-8	n		76	RSL		
Vinyl Acetate	108-05-4	n		910	RSL		
Vinyl Bromide	593-60-2	c		2.6	RSL		
Vinyl Chloride	75-01-4	c	TCL	0.59	RSL	1	DE_MCL
Warfarin	81-81-2	n		19	RSL		
Xylene, m-	108-38-3	n		550	RSL		
Xylene, o-	95-47-6	n	TCL	640	RSL		
Xylene, p-	106-42-3	n		560	RSL		
Xylenes	1330-20-7	n		580	RSL	10000	MCL
Zinc Phosphide	1314-84-7	n		23	RSL		
Zinc and Compounds	7440-66-6	n	TAL	23000	RSL		
Zineb	12122-67-7	n		3200	RSL		
Zirconium	7440-67-7	n		6.3	RSL		

HSCA Human Health Reporting Level Table

Comparison - December 2025 vs October 2024

Row Color	Description
yellow	New row December 2025
blue	Old row October 2024
gray	Change effect from old to new

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	December 2025	n		32	RSL	-	
Ammonium perfluorodecanoate	3108-42-7	December 2025	n		0.00013	RSL	-	
Benzofluorene, 2,3-	243-17-4	December 2025	n		320	RSL	-	
Butanol, N-	71-36-3	October 2024	n		7800	RSL	-	
Butanol, n-	71-36-3	December 2025	n		7800	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	October 2024	c		0.1	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	December 2025	c		0.036	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	.....	Change Effect	.	...	-0.064	.....	-	—
Chromium(lll) (Soluble Compounds)	16065-83-1	October 2024	n		85000	RSL	-	
Chromium(lll), (Insoluble Salts)	16065-83-1	December 2025	n		50000	NIOSH	-	
Chromium(lll), (Soluble Compounds)	16065-83-1	December 2025	n		85000	RSL	-	
Chromium(lll), Insoluble Salts	16065-83-1	October 2024	n		50000	NIOSH	-	
Chromium(VI)	18540-29-9	October 2024	c		3	RSL	-	
Chromium(VI)	18540-29-9	December 2025	c		9.5	RSL	-	
Chromium(VI)	.....	Change Effect	.	...	6.5	.....	-	—
Chromium, Total	7440-47-3	October 2024		TAL	214	BTV	100	MCL
Chromium, Total	7440-47-3	December 2025		TAL	210	BTV	100	MCL
Chromium, Total	▮–.....	Change Effect	.	...	-4	.....	-	—
Cyanide (CN-)	57-12-5	October 2024	n	TAL	23	RSL	200	MCL
Cyanide (CN-)	57-12-5	December 2025	n	TAL	24	RSL	200	MCL
Cyanide (CN-)	—	Change Effect	.	...	1	.....	-	—
Dichloroethylene, 1,1-	75-35-4	October 2024	n	TCL	230	RSL	7	MCL
Dichloroethylene, 1,1-	75-35-4	December 2025	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, 1,1-	.....	Change Effect	.	...	-225.2	.....	-	—
Dimethoxybenzidine, 3,3'-	119-90-4	October 2024	c		3.4	RSL	-	
Dimethoxybenzidine, 3,3'-	119-90-4	December 2025	c		0.76	RSL	-	
Dimethoxybenzidine, 3,3'-	–.....	Change Effect	.	...	-2.64	.....	-	.....
Dimethyl Sulfide	75-18-3	December 2025	n		0.62	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	October 2024	c		0.49	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	December 2025	c		0.11	RSL	-	
Dimethylbenzidine, 3,3'-	.....	Change Effect	.	...	-0.38	....	-	.....
EPTC	759-94-4	October 2024	n		3900	RSL	-	
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	December 2025	n		3900	RSL	-	
Formaldehyde	50-00-0	October 2024	c		110	RSL	-	
Formaldehyde	50-00-0	December 2025	c		43	RSL	-	
Formaldehyde	.....	Change Effect	.	...	-67	.....	-	[redacted]
Hexachlorocyclohexane, Delta-	319-86-8	December 2025	n		0.0038	RSL	-	
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	October 2024	c	TCL	5.7	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	December 2025	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	.....	Change Effect	X	...	-5.643	.....	-	.....
Hexane, N-	110-54-3	October 2024	n		610	RSL	-	
Hexane, n-	110-54-3	December 2025	n		610	RSL	-	
Iron	7439-89-6	October 2024	n	TAL	74767	BTV	-	
Iron	7439-89-6	December 2025	n	TAL	75000	BTV	-	
Iron	. .....	Change Effect	.	...	233	.....	-	[redacted]
Isopropyltoluene, p-	99-87-6	December 2025	n		170	RSL	-	
Lead and Compounds	7439-92-1	October 2024		TAL	200	RSL	15	MCL
Lead and Compounds	7439-92-1	December 2025		TAL	200	RSL	10	MCL
Lead and Compounds	.....	Change Effect	.	...	-	.....	-5	.....

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Lead and Compounds (with other sources of lead present, see Guidance)	7439-92-1	October 2024		TAL	100	RSL	-	
MCPA	94-74-6	October 2024	n		32	RSL	-	
MCPB	94-81-5	October 2024	n		2800	RSL	-	
MCPP	93-65-2	October 2024	n		63	RSL	-	
Mercury (elemental)	7439-97-6	October 2024	n	TAL	11	RSL	2	MCL
Mercury (elemental)	7439-97-6	December 2025	n	TAL	7.1	RSL	2	MCL
Mercury (elemental)	.....	Change Effect	.	...	-3.9	.....	-	—
Perfluoro(2-propoxypropanoate)	122499-17-6	December 2025	n		0.23	RSL	0.01	MCL
Perfluorodecanoate	73829-36-4	December 2025	n		0.00013	RSL	-	
Perfluorodecanoic acid (PFDA)	335-76-2	December 2025	n		0.00013	RSL	-	
Phenylenediamine, o-	95-54-5	October 2024	c		45	RSL	-	
Phenylenediamine, o-	95-54-5	December 2025	c		10	RSL	-	
Phenylenediamine, o-	—	Change Effect	.	...	-35	.....	-	—
Potassium perfluorodecanoate	51604-85-4	December 2025	n		0.00014	RSL	-	
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	December 2025	n		63	RSL	-	
Sodium perfluorodecanoate	3830-45-3	December 2025	n		0.00013	RSL	-	
TCDD, 2,3,7,8-	1746-01-6	October 2024	c		0.000048	RSL	0.00003	MCL
Tetrachlorodibenzo-p-dioxin, 2,3.7,8- (2,3,7,8-TCDD)	1746-01-6	December 2025	c		0.000048	RSL	0.00003	MCL
Thitrol (MCPB)	94-81-5	December 2025	n		2800	RSL	-	

Attachment 5
Soil and Waste Tracking Log

Soil and Waste Tracking Log

Project Name: ______________________

Project Address: ______________________

Contractor: ______________________

Excavation Data								Initial Observation			Testing Data							
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Visual/PID Designation	On-Site Reuse Location	Date Placed in SWMU	Sampled Y/N	Sample Type	VOC Reading	Sample Date	Sample ID	Analytical Suite	Date Samples Arrived at Lab	Laboratory Name
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	No visual contam observed, PID=0.0	SWMU-02	1/30/2026	N	-	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Visual discoloration (white), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	Visual discoloration (white, blue), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster

Soil and Waste Tracking Log

Project Name: _____

Project Address: _____

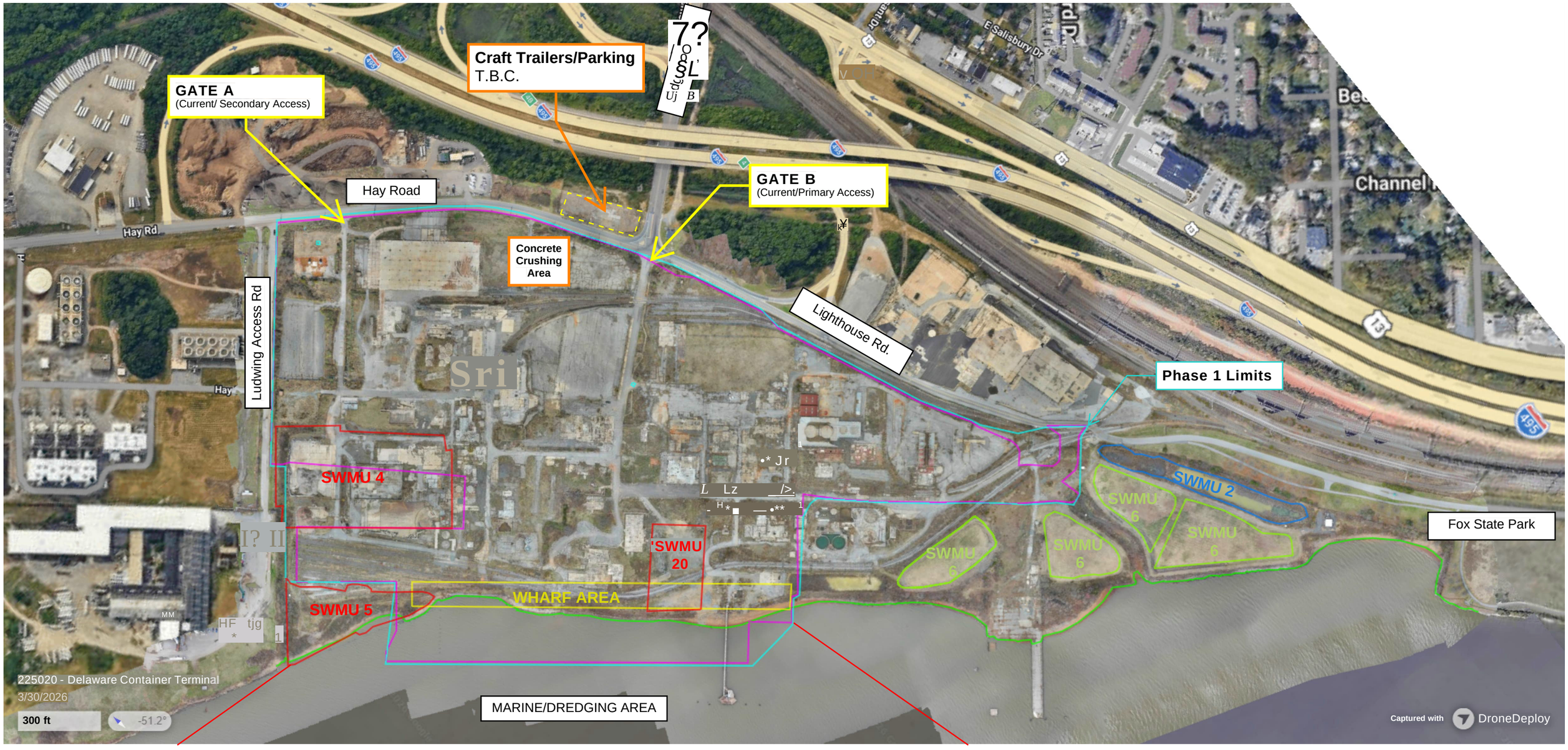
Contractor: _____

Excavation Data								Results/Disposal						
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Waste Designation	Waste Profile ID	Date Transported Offsite	Manifest Number	Transporter	Disposal Facility	Disposal Facility Date
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	On-site reuse	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Non-haz	XYZ001	2/20/2026	001002036JJK	ABC Trans	ABC Landfill	2/20/2026
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	RCRA-Hazardous	JKO1234	4/1/2026	001002037JJK	XYZ Trans	Haz123TSDF	4/1/2026

APPENDIX J

SITE ACCESS PLAN

Delaware Container Terminal
Site Plan



This general site layout will be updated periodically

Updated: April 2026

Appendix E - Excavated Materials Handling and Contingency Plan (EMHCP)

Excavation and Materials Handling Contingency Plan (Phase 1)

Date:	February 2026 Revised March 2026 Revised May 2026
Client:	Enstructure DCT LLC/DSPC - a Walsh/SBI JV in contract with Enstructure
Project Name:	Delaware Container Terminal Edgemoor Planning & OR Support
State Permit No.:	HW31B04
US EPA ID No.:	DED000800284
Project No.:	T2484300b
Attention:	Katie Faulkner
Company:	State of Delaware Department of Natural Resources and Environmental Control - Remediation Section
Prepared By:	Jacobs
Document No.:	251117190219_2a8d097c
Copies To:	Walsh: Brian Midlick and Andrew Saunders Enstructure: Diego Lopez and John Reece DSPC: Brian Devine

Jacobs Engineering Group Inc.
Two Commerce Square
2001 Market Street
9th Floor - Suite 900
Philadelphia, PA 19103
T +1.215.569.2900
F +1.215.569.5963
www.jacobs.com

1. Introduction

This Excavation and Materials Handling and Contingency Plan (Plan) aims to provide environmental guidance for excavation activities, work in the subsurface environment, and the handling of excavated materials during the development of the Delaware Container Terminal (DCT) at the Former Chemours Edgemoor Plant in Wilmington, Delaware, (Site) during Phase 1 development. This Plan is based on the current understanding of environmental conditions that exist or may be encountered at the Site. It prioritizes onsite reuse by minimizing offsite disposal in accordance with the Department of Natural Resources and Environmental Control (DNREC) Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's) Final Decision and Response to Comments (FDRTC or Final Decision) for the Site (DNREC, 2021).

The Plan should be viewed as a living document that is updated, as necessary, when new information concerning the Site becomes available.

1.1 Site Background

The Site consists of the following two tax parcels along Hay Road in Wilmington, Delaware:

1. Tax Parcel Number (No.) 06-153.00-006 (112 acres)
2. Tax Parcel No. 06-153.00-003 (2.08 acres)

Both tax parcels are regulated under the *Resource Conservation and Recovery Act's* (RCRA's) Facility Program, as administered by DNREC. The smaller parcel was previously part of the DNREC-RS's Voluntary

Cleanup Program, identified as Program Identification (ID) No. DE-1489, but was transferred to DNREC's RCRA Program on May 7, 2015. Both parcels are now identified as part of the Former DuPont Edge Moor RCRA Facility with U.S. Environmental Protection Agency (EPA) ID No. DED000800284. A Post-Closure Care Plan (PCCP) (PCCP State Permit No. HW31B04) is in place for four surface impoundments on the larger tax parcel, identified as RCRA Solid Waste Management Units (SWMUs) 6A, 6B, 6C, and 6D (identified as Zone 1A in this Plan). In Zone 1, the Site is regulated by Title 40 *Code of Federal Regulations* (CFR) 1910.120(a)(1)(ii), Hazardous Waste Operations and Emergency Response (HAZWOPER), in accordance with the Occupational Safety and Health Administration (OSHA). If Zone 2 materials are found to be impacted based on the criteria specified in Section 3 of this report, areas within Zone 2 will be managed and regulated in the same manner as Zone 1.

The larger of the parcels contains the former Chemours Edgemoor Plant, which operated as a pigment manufacturing facility from 1931 until 2016 and produced titanium dioxide, titanium tetrachloride, and ferric chloride (Verdantas 2023). This industrial use resulted in the establishment of several RCRA SWMUs in addition to Zone 1A (SWMUs 6A to 6D) (Attachment 1). Per the Final Decision, certain SWMUs have been investigated and determined to have acceptable risk, while others require management in accordance with this Plan. This Plan groups SWMUs in zones, per the status described in the Final Decision. However, excavation and subsurface work within any SWMU should proceed with caution and appropriate contingency planning. Areas outside the SWMUs have not been investigated, and conditions are unknown. Excavation and subsurface work at the Site are to proceed with continuous monitoring for environmental conditions of concern.

The smaller, 2-acre parcel, contains a portion of the former Holland Mulch Site (HMS). The HMS was once part of an oil recycling facility. Manufacturing activities are not known to have occurred on this parcel (Verdantas 2023). Based on previous investigations of this parcel, anticipated environmental conditions of concern are soil impacted by benzo(a)pyrene and arsenic and groundwater impacted by trichloroethylene. The HMS site is not part of current plans for Site redevelopment (other than use for parking/temporary trailer office space), and no soil-disturbing activities are anticipated.

1.2 Plan Limitations/Updates

This version of the Plan is an update of the August 2023 Plan[1], which was prepared by Verdantas and approved by DNREC in September 2023 and was later revised by Verdantas in April 2025 to address only demolition-phase activities at the Site.

This current Plan addresses excavation and subsurface work during the Phase 1 development of the DCT, including the installation of a Sediment and Stormwater Management Plan (Attachment 2). The limit of disturbance in Phase 1 does not include RCRA SWMUs 6A, 6B, 6C, or 6D (all part of Zone 1A of material management). These areas will not be disturbed during Phase 1 of construction; therefore, the management of materials in Zone 1A is not part of this Plan.

2. Summary of Site Environmental Information

Before Jacobs, Verdantas (formerly Duffield Associates) was contracted by Diamond State Port Corporation to undertake previous planning, permitting, regulatory approvals, design, and project support. Verdantas is currently contracted with Diamond State Port Corporation to support the DCT's development.

[1] Excavation and Materials Handling and Contingency Plan, August 2023, prepared by Verdantas and approved by the State of Delaware, DNREC by correspondence dated September 26, 2023.

Additional consultants, including Parsons and Dupont Corporate Remediation Group, also performed Site investigations.

For this Plan, the Site has been divided into the following four zones based on historical uses, reported environmental issues, and potential risks to human health and the environment posed by those environmental issues:

- Zone 1A: RCRA SWMU 6 areas that require further action or may contain waste
- Zone 1: SWMUs that require further action or may contain waste
- Zone 2: Areas determined to have acceptable risk
- Zone 3: Soils in contact with groundwater

Excavation work in Zone 1 will likely encounter substances of environmental concern. While Zone 2 has a status of having acceptable risk, unanticipated environmental conditions may be encountered during excavation. If excavations extend into Zone 3, worker contact with substances of environmental concern is likely. Attachment 1 shows Zones 1 and 2, including the SWMU locations.

As part of the RCRA Part B Permitting Process in 1986, EPA and DuPont developed a list of 29 SWMUs at the Site. By 2001, a Consent Order was issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA Corrective Action Plan (CAP) and address previously identified SWMUs. By January 2002, a Closure Plan was submitted to DNREC for Solid Waste Impoundments A, B, C, and D, identified as SWMU 6, which described a plan to neutralize and stabilize waste onsite and then cover the stabilized waste with a geosynthetic liner. The PCCP was approved by DNREC in April 2003, and by March 2004, the closure of the impoundments was completed. This area is identified as Zone 1A.

DuPont and a prior Consultant (Parsons) prepared a facility-wide CAP (DuPont 2003) and performed two RCRA facility investigations (DuPont 2009 and Parsons 2011), a risk analysis (Parsons 2013), and a Corrective Measures Study (Parsons 2013) to determine the status of the SWMUs, apart from SWMU 2 and SWMU 6.

Decision-making for SWMU status was based, in part, on a human health risk analysis by Parsons for contaminants of concern (COCs) in soils within certain SWMUs at concentrations that required further risk assessment (Parsons 2013). Parsons calculated total cancer risk (CR) and total Hazard Index (HI) for industrial worker and construction worker exposures to COCs in soils within these SWMUs at the Site. The results were compared to DNREC's acceptable risk level of 1.0E-05 and HI of 1 (Table 1).

Table 1. Total Excess Cancer Risk Characterization Results (Parsons 2013)

SWMU	Industrial Worker CR	Construction Worker CR	HI
SWMUs 1 and 3	3E-06	7E-07	0.96
SWMU 4	2E-06	3E-08	N/A
SWMU 5	8E-06	3E-06	0.1
SWMU 18	1E-06	2E-08	N/A
SWMU 20	N/A	-N/A	0.0006
SWMU 23	N/A	3E-07	0.037
SWMU 27	N/A	3E-08	N/A

N/A = not applicable

As the results indicate, the total excess CRs estimated for industrial and construction workers under the Reasonable Maximum Exposure scenario in SWMUs 4, 5, 18, 20, 23, and 27 and under the Central

Tendency exposure scenario (that is, mean) for SWMUs 1 and 3 are less than the regulatory levels of 1.0E-05 and 1 for cancer and non-cancer risks. Therefore, the estimated exposure is not expected to result in unacceptable risks for these receptors. The human health risk assessment was performed assuming an industrial worker will work 8 hours, 20 days per year, and a construction worker will work 24 hours per day, 7 days per week, 50 weeks per year. The exposure factors used in the risk assessment are the default values published in the Office of Solid Waste and Emergency Response Directive 9200.1-120 titled *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors,* dated February 6, 2014 (EPA 2014).

The exposure assumptions used in the risk assessment must not be exceeded. If working hours deviate from the assumptions used in the risk calculation, the risk assessment will be reevaluated to determine whether the risk to workers changes with the change of exposure duration. If a change of exposure assumptions occurs, DNREC-RS will be informed, and the risk assessment results will be discussed with, and approved by, DNREC-RS before work within such areas continues.

The following terms are used throughout this Plan:

- Competent Person: Someone who is aware of the Site hazards, aware of Site history, onsite during soil-disturbing activities for monitoring, authorized to stop work, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER).
- Environmentally impacted materials: Materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

2.1 Zone 1/Zone 1A: Solid Waste Management Units That Require Further Action or May Contain Waste

This section describes SWMUs in Zone 1 and Zone 1a that require further action or may contain waste.

2.1.1 Zone 1A: Solid Waste Management Unit 6 Areas that Require Further Action or May Contain Waste

SWMUs 6A, 6B, 6C, and 6D areas are considered a part of Zone 1, but have special requirements, so are labeled Zone 1A. No Site work will occur in Zone 1A during Phase 1 of construction. This Plan will be updated to address activities in Zone 1A at a later date.

2.1.2 Zone 1: Solid Waste Management Units that Require Further Action or May Contain Waste

Based on the findings from prior investigations and assessments, except for SWMU 6, the following SWMU identified on the Site requires further action:

- SWMU 1: Wastewater Treatment System - surface water only
  - Recommendations for the handling of SWMU surface water are discussed in Section 5.2 and shown on the Surface Water Testing Decision Matrix in Attachment 3

Based on the findings of prior investigations and assessments, the soils outside SWMU 2 have special testing and disposal requirements because of elevated levels of lead (refer to Section 5.1.4.2).

Attachment 1 shows these soils as SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, along the western and eastern edges of SWMU 2.

The following SWMUs received no further action and have acceptable risk but were identified as potentially containing waste material:

- SWMU 4: Former Trash Landfill
- SWMU 5: Waste Settling Area
- SWMU 20: Former Fuel Oil Aboveground Storage Tanks

Assessments of subsurface conditions in the SWMU 4 and SWMU 5 areas have indicated COCs are present in Site soils, but at concentrations that were determined acceptable under construction worker and industrial worker exposure scenarios. An assessment of subsurface conditions in SWMU 20 had a limited analytical program, and SWMU 4 soils reportedly were placed in SWMU 20 in 2005, so results of the risk assessment are assumed to not fully represent environmental conditions.

2.2 Zone 2: Areas Determined to Have Acceptable Risk

Zone 2 consists of Site areas that are outside the bounds of SWMU 6 and the four SWMUs listed in Zone 1. In accordance with the FDRTC, the areas outside Zone 1 reportedly present no conditions of concern to human health, but a sitewide characterization of soils was not performed. The following SWMUs have acceptable risk; however, the potential to encounter environmental concerns may occur during Site-disturbing activities:

- SWMU 1: Wastewater Treatment System (sediment only)
- SWMU 2: Pond E (Effluent Holding Basin) (sediment and surface water only)
- SWMU 3: Waste Mixing Area and Split Box
- SWMU 7A: Building 23 Polychlorinated Biphenyl (PCB) Storage Area
- SWMU 7B: Kiln 2 PCB Storage Area
- SWMU 8: Former Less-Than-90-Day Hazardous Waste Accumulation Area
- SWMU 9: Hazardous Waste Accumulation Pad
- SWMU 10: Eastern Shore Area
- SWMU 11: Drainage Culvert
- SWMU 12: Emergency Overflow Basin
- SWMUs 13A and 13B: Process Sewers
- SWMU 14: Underground Pipelines
- SWMU 15: Former Unpaved Ditch
- SWMU 16: Scrap Metal Area
- SWMU 17A: Former Underground Storage Tanks (USTs) - 1, 2, 3, 4, B, C, F, and G
- SWMU 17B: Former USTs - 6, 7, 8. 1, J, K, and L
- SWMU 18: Iron-Rich Staging Area
- SWMU 19: Iron-Rich Filter Press Building
- SWMU 21: Copper Vanadium Sludge Pad
- SWMU 22: Ferric Chloride Tank Truck Loading Spot
- SWMU 23: Recovered Ore Storage Area
- SWMU 24: Oil-Water Separator/Skimmer
- SWMU 25: Ferric Chloride Railcar Loading Area
- SWMU 26: Titanium Dioxide Railcar Loading Area
- SWMU 27: Fuel Oil-Stained Soil
- SWMU 28: Caustic Storage Area
- SWMU 29: Southland Tank
- HMS

2.3 Zone 3: Materials Within the Groundwater Table

Site groundwater was encountered between 12 and 31 feet below ground surface. According to environmental assessments at the Site and as summarized in the FDRTC, a clay unit is present near the surface that limits the extent of a shallow permeable unit, and groundwater is not present within the shallow zone of most of the Site. Analytical results for groundwater samples from across the Site indicated metals are the primary constituent of concern.

3. Excavation and Subsurface Work

Regulatory agency notification requirements vary by zone. The Site Owner or authorized representative must proceed with caution for excavation work in SWMUs that Require Further Action (Zone 1). Before subsurface work begins in Zone 1, Contractors should review the following documentation for additional background and substances of concern identified in the SWMUs:

- FDRTC (DNREC, 2021).
- Statement of Basis and Corrective Action Permit (DNREC, 2021).
- Previous Phase I and Phase II RCRA Facility Investigations (Dupont 2009 and Parsons 2011).
- Draft Risk Analysis prepared by Parsons on behalf of DuPont (Parsons, 2013).

Excavation work is not anticipated to occur within the groundwater table (Zone 3) during the first phase of Site excavation and grading activities. Section 5 provides guidance regarding the handling of excavated materials.

Environmentally impacted materials are defined as materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. The location where the potentially environmentally impacted materials will be stockpiled is identified on the center portion of the Site to the west. This proposed stockpile location is paved. There is also a stockpile location at the southern end of the Site that is on an area of deteriorating pavement. This area may also be used to pile potentially environmentally impacted materials as long as the area is lined with polyvinyl plastic sheeting and the stockpile is covered with the sheeting. The stockpile on the northern end of the Site will not be used for potentially environmentally impacted materials and is on a pervious surface.

3.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in Zone 1 will be performed by personnel trained to recognize and react to conditions of environmental and human health concern, in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). A Competent Person must screen the excavation and excavated materials for conditions of potential concern using handheld instrumentation, including a photoionization detector (PID) with a 10.6-electron-voltage lamp energy, a flame-ionization detector (FID) or an x-ray fluorescence instrument, and a combustible gas meter. Visual observations will also include review for non-water liquids, solid waste, odors, and soil discoloration/staining while work is in progress.

The Competent Person must be aware of the Site hazards and Site history, and they must be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in

accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). At a minimum, excavation workers and the Competent Person engaged to screen excavating activities must wear Level D personal protective equipment (PPE) at the start of work. If screening results indicate that additional protection is warranted, workers will upgrade to Level C protection or cease work until conditions are further assessed. Based on the findings from prior investigations and assessments, Level C PPE is required during the excavation of materials with known hazardous concentrations of lead outside SWMU 2 (Attachment 1). Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 1 will be considered environmentally impacted (as defined at the beginning of this section). As such, excavated materials should be deposited on top of plastic sheeting (at Least 10 millimeters thick) and securely covered with plastic sheeting (at least 10 millimeters thick) at the end of each workday, or the materials should be placed in storage containers lined with plastic and covered with tarps at the end of each workday. The covering plastic should be anchored with weights or other restraints to ensure that it will remain in place in case of strong winds.

Before subsurface work takes place in Zone 1, Contractors and the Competent Person should review background information on SWMUs and potential substances of concern. At a minimum, during subsurface work, the Competent Person should be able to identify wastes in materials excavated from the SWMUs that differ from understood environmental conditions. If no substantial differences are identified and no waste is present, SWMUs can be backfilled with excavated materials.

SWMUs 4, 5, and 20 were identified as potentially containing waste. Materials excavated from these areas may contain solid wastes, titanium dioxide pigment, waste solvents, sulfate sludge, and iron-rich wastes. SWMU 20 will be disturbed during Phase 1, and SWMUs 4 and 5 will be partially disturbed during Phase 1. Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for these soils from SWMU 4, 5, and 20 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If these soils are found to be hazardous, the material requires disposal at a hazardous waste landfill. If the soils are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

RCRA SWMU Areas 6A, 6B, 6C, or 6D were also identified as containing waste and are part of Zone 1A, but will not be disturbed in Phase 1, and therefore management of materials in these SWMU areas will be provided at a later date.

Precautions must be taken, including using diversionary berms, to prevent stormwater runoff from entering excavations or stockpiles of excavated materials. Open excavations must be covered (with support) or lined with plastic sheeting to minimize the potential for precipitation to directly contact subsurface materials. If the excavation is lined and stormwater accumulates on the liner, the Competent Person will review the accumulated stormwater for indications of substances of concern, such as visible free-phase liquids on top of the pooled stormwater or visibly suspended sediment, before work resumes. If visible indications of concern are present, the accumulated water will be pumped from the excavation into containers of adequate volume and held for further assessment. If no visible indications of concern are present, accumulated water will be pumped from the excavation and discharged to the ground surface near the excavation.

If excavated materials exhibit different environmental conditions than what was previously identified, the stockpiled materials will be tested to evaluate material-handling requirements based on reported results (Attachment 3 provides a detailed decision matrix about when sampling and testing are required).

Excavated materials from specific Zone 1 locations will not be removed from that Zone 1 location or removed from the Site without an appropriate assessment of the environmental characteristics, including sampling and analytical testing. Section 5 provides additional guidance regarding handling excavated materials.

Based on the findings of prior investigations and assessments, soils outside SWMU 2, specifically soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-SO-D4, were identified with lead concentrations that exceeded the DNREC Screening Level of 400 milligrams per kilogram (Attachment 1). One sample, SWMU2-D0-D4, from 4 to 6 feet below the ground surface, was also reported with a Toxicity Characteristic Leaching Procedure (TCLP) concentration that exceeded the regulatory limit, so the soils in this sampling area are classified as hazardous if excavated. Currently, this area is secured and fenced, prohibiting unauthorized contact with the soil.

Before earth-disturbing activities begin, lead in the soils outside of SWMU 2 must be delineated, and DNREC-RS must be notified if grading activities require excavation in these areas. If earth-disturbing activities are not taking place in these areas as part of the Site's redevelopment, 2 feet of clean soil with an impervious liner will be placed over the areas with elevated lead concentrations to prevent human contact with the soil. This soil, with impervious liner, will remain as an interim layer before the final asphalt cap This recommendation is consistent with the RCRA Corrective Measures Remedy established in the FDRTC document, which identified capping as the primary measure to mitigate exposure to Site soils.

Soil in the areas outside of SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per kilogram is required before earth-disturbing activities. Where Lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils. Work that follows excavation, such as installing conductors or pipes, must be performed by workers appropriately trained for the actual conditions exposed by excavation. The Competent Person will screen the excavation to assess the location specific risk to worker health for the activities planned.

Most excavation work, bulk grading, utility installation, and sediment and stormwater control installations likely to occur in Zone 1 are not anticipated to intercept the groundwater table or require excavation below the groundwater table. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage the groundwater.

There are areas at the bank of the Delaware River, some within the tidal range elevations that include grading. These areas are mainly filled with minimal excavation to recontour before placing engineered fill for the bulkhead tieback supports. There is potential to encounter water during this work at or near the water edge. This water is hydraulically connected to the river and would not be considered groundwater, so would not need to be managed as such. If water encountered here during excavation is suspected of being groundwater (perched higher than the tidal elevation range), it will be managed as stated previously.

3.2 Zone 2: Areas Determined to Have Acceptable Risk

Excavation work in Zone 2 is anticipated to have low potential of encountering regulated substances at concentrations that are of potential human health or environmental concern. A Competent Person will monitor excavation work for indications of environmental or health concerns. The Competent Person must be aware of the Site hazards and Site history, and they will be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). The Competent Person will be equipped with instruments that can detect organic vapors and potentially combustible vapors to monitor conditions exposed during excavation. Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 2 will remain onsite and be used as fill near the location and within the zone they are excavated from unless screening indicates the potential for regulated substances to be present in the soils at concentrations of concern or the material appears to be environmentally impacted (refer to the definition in Section 2). Such indications would include chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings. In response to such observations, the excavated material will be sampled and tested to determine appropriate management options for the materials. Attachment 3 describes the decision matrices that can help determine when sampling and testing are required for soils, concrete/crushed stone/other materials, and groundwater.

If screening suggests the presence of substances of concern, such as chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings, subsurface work in that area must be stopped. Any evidence of a release during land-disturbing activities will require the Competent Person, or Owner's Representative, to notify the DNREC-RS within 24 hours using the 24-Hour Release Hotline (800-662-8802). Land-disturbing activities may continue on another part of the Site as long as it is not immediately adjacent to the area where there is evidence of a release. If evidence of a release is encountered at the new work area, work must again stop, and excavation activities must be moved elsewhere onsite where no evidence of a release is apparent. Evidence of a release includes, but is not limited to, the appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or presence of free product. Refer to DNREC-RS's *Guidance for Notification Requirements, and HSCA Reporting Level Table* document for more information (DNREC-RS 2025) in Attachment 4.

Most demolition activities, bulk grading, utility installations, and sediment and stormwater control installations are likely to occur in Zone 2 and are not anticipated to intercept the groundwater table or require excavation below the groundwater table, based on available information about the probable depths of groundwater at the Site.

3.3 Zone 3: Materials Within the Groundwater Table

Most work activities likely to occur in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. As noted in Section 3.1, there is potential to encounter tidal water during work at or near the water edge that is hydraulically connected to the river, but it is not considered groundwater and does not need to be handled as such.

4. Underground/Aboveground Utility and Storage Systems

Numerous underground, privately maintained, utility systems are present at the Site, including the following:

- High-voltage electricity lines
- Natural gas lines
- Steam and condensate lines
- Fire mains
- Potable water pipes
- Sanitary/industrial wastewater sewers and appurtenances
- Storm sewers, culverts, and appurtenances
- Pipelines that formerly conveyed materials from aboveground and underground storage
- Tanks to end use locations
- Former USTs that were abandoned-in-place

The facility has undergone multiple renovations during its period of use, which may have resulted in several generations of underground utility systems. The currently understood locations of utility systems are shown on design drawings. The utility locations on these drawings may not depict all buried utilities at the Site. Persons engaged in excavating or intrusive activities must work with care and caution during removal of existing utility systems unless they are designed to temporarily remain to minimize potential danger to themselves, coworkers, and the environment.

Persons responsible for excavation (Contractors, Consultants, or Owner) will request public utility clearance through the Miss Utility service. The Owner will arrange for marking and clearing private utilities within the work area. This effort may be performed by the Owner or a Contractor engaged for the purpose. These utility markouts and clearances will be completed before excavation starts, and the information will be reviewed with the persons responsible for excavation before excavation starts.

If USTs or associated piping is encountered during subsurface work, Contractors will immediately notify the Competent Person or Owner's Representative. The Competent Person or Owner's Representative will, in turn, notify DNREC-RS and DNREC-Tank Management Section. A licensed UST removal contractor will be engaged to properly drain, clean, remove, and dispose of encountered UST system components in accordance with the Delaware regulations governing UST Systems. Personnel should also consider that Site USTs may contain substances other than petroleum products and additional regulations may apply.

5. Materials Management

This section discusses materials management.

5.1 Soil and Sediment

Soils and other materials excavated on the Site will remain onsite for reuse as fill or until they are appropriately assessed for offsite reuse, treatment, or disposal. However, every effort will be made to reuse excavated materials onsite before offsite disposal opportunities are considered. Attachment 3 contains a decision matrix to help assess whether materials (soil, sediment, surface water, groundwater, and concrete/crushed stone/other materials) require sampling and testing.

The Competent Person reviewing the excavation will use the screening information gathered during excavation to assess whether excavated materials may be used as backfill at the location of the work. For instance, excavated materials without indications of environmental impact (visible discoloring, obvious

chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material) would be considered environmentally suitable for use as backfill. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. Additionally, impacted soils excavated from areas within Zone 1 may be used as backfill at the same source locations from where they were excavated as long as materials appear to be similar to those described in prior investigations at the Site. Soil and vegetative covers will be replaced where necessary in Zone 1.

At a minimum, the Competent Person will consider the following criteria when assessing the environmental suitability of the excavated materials for use as backfill:

- Zone or SWMU where excavation is taking place
- Distance between the bottom of the excavation and the estimated groundwater
- Relative permeability of soil(s) present (gravel, sand, silt, or clay)
- Purpose of the excavation
- Ground cover that will be placed over the excavation

Erosion and sediment control measures will be established before Site-disturbing activities begin. These measures will conform to a Sediment and Stormwater Management Plan provided by Jacobs (Attachment 2), once approved by DNREC.

When a decision has been made to temporarily store excavated materials, the materials will be transported to the prepared storage area or storage containers. Separate storage areas or containers will be provided for each zone and excavation location. While excavated materials are placed in the storage area, they will not be allowed to cover the peripheral berms of the storage area or spill over the sides of storage containers. The stored materials will be covered with plastic sheeting or tarps at the end of excavating activities or the end of each workday, whichever occurs sooner. Sufficient weights will be placed on the plastic cover to hold it in place in case of windy conditions or precipitation.

In addition, a soil and waste tracking log will be used to track the origin, quantity, and date that the excavated materials are placed into storage (Attachment 5). The log will detail the original SWMU area that the soils in storage originated from, along with details about characterization sampling if performed, included the type of analysis performed and the laboratory used.

When excavation and material additions to the storage site are completed, stored materials will be handled in accordance with the sampling and testing decision matrix in Attachment 3.

5.1.1 Testing for Onsite Soil Reuse (Preferred Method of Materials Management)

Soil characterization testing will be performed for onsite reuse when soils exhibit environmental impacts or to allow for unrestricted use between Zones 1 and 2. Sampling frequency will conform to the DNREC's *Guidance for Soil/Material Re-Use by the Hazardous Substance CLeanup Act (HSCA),* dated May 2023. If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - Target Compound List (TCL) Volatile Organics +10 by EPA Method SW-846 8260B
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics +15 by EPA Method SW-846 8270C
  - TCL Pesticides by EPA Method SW-846 8081A
  - Total PCBs by EPA Method 680 (only when iron-rich material is present)

- Total Dioxins and Furans by EPA Method 1613 (only when iron-rich material is present)
- Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
- Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or it be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.2 Testing for Onsite Concrete/Crushed Stone/Other Similar Material Reuse (Preferred Method of Materials Management)

Concrete, crushed stone, or other similar material will be tested for onsite reuse when concrete exhibits environmental impact or to allow for unrestricted use between Zones 1 and 2. Sampling will conform to DNREC (2023). If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - TCL Volatile Organics +10 by EPA Method SW-846 8260B.
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics + 15 by EPA Method SW-846 8270C
  - Total PCBs by EPA Method 680
  - Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
  - Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.3 Testing for Offsite Reuse

If the project requires that excavated materials cannot be reused at the area of excavation and offsite reuse may be an option, the laboratory will be requested to perform a suite of analyses similar to those listed is Section 5.1.1 and 5.1.2 for onsite reuse and in accordance with DNREC (2023).

5.1.4 Testing for Treatment or Disposal

The following describes testing for treatment of disposal.

5.1.4.1 Excavated Materials

If the excavated materials cannot be kept onsite and screening indicates substantial environmental impacts, the Laboratory will be requested to perform the following initial analyses or the analyses requested by the potential treatment or disposal facility when the source of the substances of concern is not apparent or is unknown:

- Grab samples:
  - TCL Volatile Organics by EPA Method SW-846 8260B
  - Diesel Range Organics by EPA Method SW-846 8015B
  - Gasoline Range Organics by EPA Method SW-846 8015B
  - Total Metals (Arsenic, Antimony, Barium, Beryllium, Cadmium, Chromium, Hexavalent Chromium, Copper, Mercury, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, and Zinc) by EPA
  - Methods SW-846 6020B and 7471A
  - Total PCBs by EPA Method SW-846 680
  - Ignitability in accordance with 40 CFR261.21
  - Corrosivity by EPA SW-846 Chapter 7
  - Reactivity by EPA SW-846 Chapter 7.3
  - Oil and Grease by EPA Method 413.1
  - Total Organic Carbon by EPA Method 415.1
  - Chemical Oxygen Demand by EPA Method 410.1
  - Total Extractable Halides by EPA Method SW-846 9020B
  - Ammonia-Nitrogen by EPA Method 350.2
  - Total Solids by EPA Method 160.3
  - Total Volatile Solids by EPA Method 160.4
  - Paint Filter Liquids Test by EPA Method SW-846 9095A
  - TCLP (Metals, Volatile Organics, Semivolatile Organics, Pesticides, and Herbicides) by EPA Methods SW-846 1311/6010B, 1311/8260B, 1311/8270C, and 1311/8081A/8151A
  - Total Cyanide by EPA Method 9010

The analyses reflect a combination of testing typically requested by treatment and disposal facilities in the region. Where the source of the substances of concern is established, such as petroleum from USTs, characterization testing will be limited to analytes required by the receiving facility.

The results of material characterization analyses will be compared to State criteria for categorizing solid waste or hazardous wastes and treatment or disposal facility acceptance criteria, as appropriate. The application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment of disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.2 Soils Outside of Solid Waste Management Unit 2

Soil in the areas outside SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample Locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per

kilogram is required before earth-disturbing activities. Where lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils.

Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for the soils outside of SWMU 2 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If concentrations of lead in the soil are hazardous, the material requires disposal at a hazardous waste landfill. If concentrations of lead in the soil are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.3 Testing for Imported Materials Onsite

Soils imported to the Site will be assessed on a case-by-case basis as to whether environmental sampling is necessary before they are placed. The source location and the approximate volume for imported soils will be provided. Imported materials may not be placed onsite until authorized by the Site Owner and DNREC-RS.

5.1.5 Sediments

SWMUs 1 and 2 are the only locations where sediment is present onsite (other than along the shoreline). SWMU 1 and 2 sediments should be managed as part of Zone 2, in accordance with the results of previous determinations, indicating sediments in these areas do not pose a risk to human health for excavation, composite, or outdoor workers (Table 2). Analytical results for SWMU 1 sediment samples did not exceed the DNREC Screening Levels; therefore, the concentrations of regulated substances in these sediments are considered acceptable to human health.

Table 2. Solid Waste Management Unit 2 Total Excess Cancer Risk Characterization Results

SWMU	Excavation Worker CR	Excavation Worker HI	Composite Worker CR	Composite Worker HI	Outdoor Worker CR	Outdoor Worker HI
SWMU 2	2E-08	0.07	4E-07	0.4	2E-06	0.3

Source: Verdantas 2024

SWMU 1 and 2 sediment may be placed onsite but must maintain a clean soil cover or an impervious cover to minimize the potential for continued drainage of PCBs from the SWMU 1 sediment into the river through the mechanism of stormwater runoff. It is recommended that the SWMU 1 and 2 sediments be buried in the proposed confined disposal facility or disposed of offsite at a permitted landfill.

5.2 Surface Water Management

The surface water within the SWMU 1 and SWMU 2 ponds is considered industrial wastewater. The Contractor may manage surface water using one of the following three approaches:

- Evaporation of Surface Water (SWMU 1, surface water only): It is anticipated that in SWMU 1, standing water would be permitted to evaporate before dewatering activities begin.
- Processing Through New Castle County Sewer System: If the industrial wastewater is present before dewatering, the industrial wastewater may be processed through the New Castle County Sewer System. If this action is deemed necessary, the appropriate approvals from New Castle County are required before discharge.
- Pumping of Surface Water into Vacuum Truck, Treatment, and Offsite Disposal: If the industrial wastewater is present before dewatering, it may be pumped out of the ponded area(s) into a vacuum truck, treated, and disposed of as wastewater offsite. The documentation of proper transportation and disposal is required.

5.3 Groundwater Management

Most work activities in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. If groundwater is encountered, it should be handled according to the guidance in the following sections.

5.3.1 Identification of Contaminated Groundwater

Contractors should assume groundwater encountered at the Site may contain COCs, and workers should wear appropriate PPE and avoid prolonged contact with the water. If indicators of obvious contamination are observed (such as petroleum products, sheen, unusual discoloration, or strong odors), the Contractor will halt work in the affected area and contact the Consultant. The Consultant or DNREC-RS will assess the situation to determine whether work can continue or whether remedial or additional PPE measures (or both) are required.

5.3.2 Management of Nonaqueous Phase Liquids

Nonaqueous phase liquids (NAPL) have not been identified onsite and are not anticipated to be encountered.

However, if NAPL is discovered, Contractors assigned to recover NAPL, such as petroleum products, will collect the NAPL in Consultant-approved containers (sealed drums or tanks). Containers of recovered NAPL will be stored within secondary containment structures for characterization and eventual disposal. Documentation of proper disposal of wastes is required.

5.4 Equipment Decontamination

The Consultant will designate a decontamination area for equipment that is operated within Zone 1. The Contractor will have the appropriate supplies onsite for decontamination, as needed, including a clean water supply, plastic sheeting, oil absorbent pads, and empty sealable drums.

Soil can be washed from equipment using tap water and discharged to the ground surface unless obvious contamination is encountered. Equipment used to handle contaminated materials will be decontaminated on a plastic sheet to collect and containerize the wash water. The equipment will be cleaned using a soap solution and tap water. The wash water will be collected into a drum or tank and labeled with the contents, a description of observed contamination, and the date of the work.

In addition, the Contractor will have a dedicated access/egress for each SWMU and dedicated vehicles working in SWMUs. At each entrance/exit location, the Contractor will use a rock construction entrance (large stone aggregate surface stabilized with a geotextile fabric), along with trackout control mats, which deform tires and release debris and sediment that is lodged between the tire lugs.

6. Worker Hazard Mitigation

This section describes criteria that will guide the Competent Person's recommendations regarding PPE and Site work. This section assumes Contractors engaged to provide services at the Site have their own corporate health and safety plans and will prepare Site-specific health and safety plans. For this Plan, environmentally impacted materials include materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material.

If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

6.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in SWMUs in Zone 1 will be performed by workers who have been 40-hour HAZWOPER-trained, and the Competent Person will be present during excavation work in SWMUs in Zone 1.

The initial minimum PPE worn by workers who are likely to be in direct contact with excavated materials or subsurface materials will conform to EPA Level D criteria and consist of the following equipment:

- Level D PPE
  - Hard hat
  - Eye protection
  - Disposable gloves
  - Ear protection
  - Work boots with toe protection

A cleaning station will be provided to remove materials that cling to the outer surface of work boots and where workers can wash their hands during breaks and before leaving the work area. No drinking, eating, or smoking will be permitted in the work area.

If work area monitoring indicates a potential breathing hazard is present in the form of organic vapors, workers will be required to wear Level C PPE. Level C PPE will include the equipment required for Level D, plus a disposable coverall suit and use of a full-face negative air respirator with organic vapor cartridges. The full-face coverage provided by the respirator will provide the eye protection specified for Level D PPE. Level C PPE is required during the excavation of soils outside of SWMU 2 where hazardous concentrations of lead are present (Attachment 1).

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria indicate the appropriateness of Level D PPE during work:

- PID or FID readings less than 5 units greater than ambient background readings with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the lower explosive limit (LEL) with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained at 5 deflection units or greater than ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to levels less than 5 deflection units, the Competent Person will allow work to resume. If PID or FID readings remain greater than 5 deflection units but less than 50 deflection units, the workers will be required to upgrade PPE to Level C. The Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken.

If oxygen meter readings are between 19.5% and 23%, and combustible gas meter readings exceed 10% of the LEL but remain less than 25% of the LEL, the Competent Person will inform the excavation supervisor and workers of the condition. Work will proceed with caution. If combustible gas meter readings exceed 25% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm potential sources of ignition are de-energized or extinguished, and confirm workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 25% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain great than 25% of the LEL, the Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 25% of the LEL, the Competent Person will again contact the Site Manager and will contact the Brandywine Hundred Fire Company to inform them of the situation and request assistance. The Site Manager will contact the DNREC Case Manager and inform them about the situation. Work will be halted until the situation can be further assessed and a safe course of action can be planned.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels are indicated to remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

6.2 Zone 2: Areas Determined to Have Acceptable Risk

HAZWOPER training will not be required for workers engaged in subsurface work in Zone 2, based on the available information, which indicates hazardous substances are not present in these zones at concentrations of concern. However, subsurface work area conditions will be monitored by a Competent Person, who is the developer's representative.

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria will be used to assess the appropriateness of the worker protection in use:

- PID or FID readings less than 5 units exceeding ambient background readings and no sustained readings exceeding ambient background with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the LEL with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained exceeding ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to ambient background readings, the Competent Person will allow work to resume. If PID or FID readings remain greater than ambient background, the Competent Person will continue monitoring organic vapors for 30 minutes. If the organic vapor readings do not return to ambient background values after 30 minutes, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Competent Person will contact the Site Manager and inform them of conditions encountered and action being taken. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings are between 19.5% and 23% and combustible gas meter readings exceed 10% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm that potential sources of ignition are de-energized or extinguished, and confirm that workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 10% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain greater than 10% of the LEL, the Competent Person will contact the Site Manager to inform them of encountered conditions and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 10% of the LEL, the Competent Person will again contact the Site Manager and halt work until the situation can be further assessed and a safe course of action has been planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

7. Emergency Procedures

This section discusses emergency procedures.

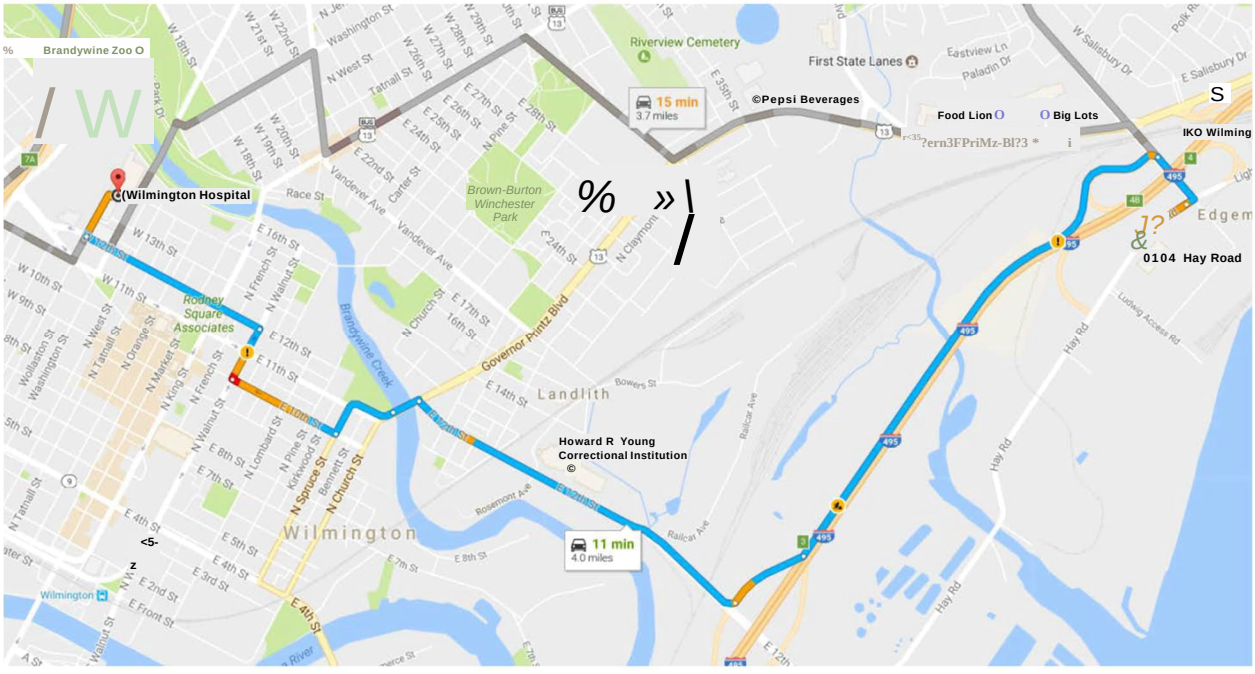
7.1 Possible Fire or Explosion

The Competent Person will notify the proper authorities for emergency response (fire and police personnel). Alert the appropriate regulatory authorities (telephone numbers provided in Section 7.3) and will also notify the Site Manager.

7.2 Personal Injury

Any injured Site worker must seek immediate medical care. If a Site worker is seriously injured, the Competent Person will call an ambulance to transport the individual to the nearest hospital for emergency room care. The nearest hospital to the Site is Christiana Care Wilmington Hospital at 501 W 14th Street, Wilmington, Delaware 19801. Figure 1 shows a route to Christiana Care Wilmington Hospital. The Competent Person will notify the Site Manager of any Site worker who needs medical attention via ambulance or needs to see a medical professional.

Figure 1. Hospital Route



7.3 Emergency Evacuation

In case the Site requires an emergency evacuation, all personnel onsite will stop work immediately, shut off equipment, and assemble at a location designated by the Competent Person. The Site Manager will be notified if Site evacuation is required.

In the case of an emergency, relevant contact information is provided as follows:

- Emergency Telephone Numbers
  - Police/Local, State 911
  - Ambulance 911
  - Brandywine Hundred Fire Company 911
  - Wilmington Hospital (Christiana Care) (302) 733-1000
  - DNREC 24-hour emergency hot line (800) 662-8802
  - Federal
    - National Response Center (800) 424-8802
    - Poison Control Center (800) 222-1222
    - EPA Environmental Response Team (215) 814-5000
- Contact
  - Site Manager
    - Office To be determined

8. List of Environmental Documents

Environmental documents are as follows:

- RCRA Consent Order issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA CAP (2001)
- Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility (May 25, 2004)
- Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284) (April 29, 2009)
- PCCP State Permit No. HW31B04 (March 2010)
- Parsons' PCCP - Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant (March 2010)
- Policy Soil/Material Re-Use Policy at Hazardous Substance Cleanup Act Regulated Sites (Soil Reuse Policy) (May 2023)
- Holland Mulch Site Phase II Investigation Summary Letter Report (July 26, 2010)
- Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284) (March 3, 2011)
- Parsons Risk Analysis for DuPont Edge Moor Site (June 2013)
- Corrective Measures Study for DuPont Edge Moor Site (August 2013)
- Statement of Basis (April 29, 2021)
- Corrective Action Permit (April 29, 2021)
- Final Decision and Response to Comments (FDRTC or Final Decision) (April 29, 2021)
- DNREC-RS' *Guidance for Notification Requirements, and HSCA Reporting Level Table* (January 2013) [Updated December 2025]).
- Verdantas' Solid Waste Management Units 1 and 2 Sampling and Analyses Plan, (November 21, 2022)

- Verdantas' Solid Waste Management Units 1 and 2 Data report (Revised March 2024)
- Verdantas' Excavation and Materials Handling and Contingency Plan, August 2023, (Revised April 2025)

9. Identification of the Competent Person

I, _____ _____, am the designated Competent
(First Name) (Last Name)
Person at the Edgemoor Site.

My role at the Site includes but may not be limited to the following:

- Awareness of the Site hazards
- Awareness of Site history
- Monitoring of onsite materials during soil-disturbing activities
- Having the ability to stop work
- Maintain my certification and ability to recognize and react to conditions of environmental and human health concern in accordance with OSHA's HAZWOPER standard, 29 CFR 1910.120 and 1926.65

Signature of Competent Person: _____

10. References

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's). 2021. Final Decision and Response to Comments. April 29.

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section (DNREC-RS). 2025. *Guidance for Notification Requirements, and HSCA Reporting Level Table.* December.

Department of Natural Resources and Environmental Control (DNREC). 2023. *Guidance for Soil/Material Re-Use by the Hazardous Substance Cleanup Act. May.*

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Parsons. 2013. *Risk Analysis Study.* Prepared for Department of Natural Resources and Environmental Control. June.

U.S. Environmental Protection Agency (EPA). 2014. Office of Solid Waste and Emergency Response Directive 9200.1-120: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. February.

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Verdantas. 2023. *Excavation and Materials Handling and Contingency Plan.* Prepared Department of Natural Resources and Environmental Control (DNREC). August. (Revised April 2025).

Verdantas. 2024. *Solid Waste Management Units 1 and 2 Data Report.*

DuPont. 2003. Corrective Action Plan. August.

DuPont. 2004. Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility. May 25.

Dupont. 2009. Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284). April 29.

Parsons. 2010. Holland Mulch Site Phase II Investigation Summary Letter Report. July 26.

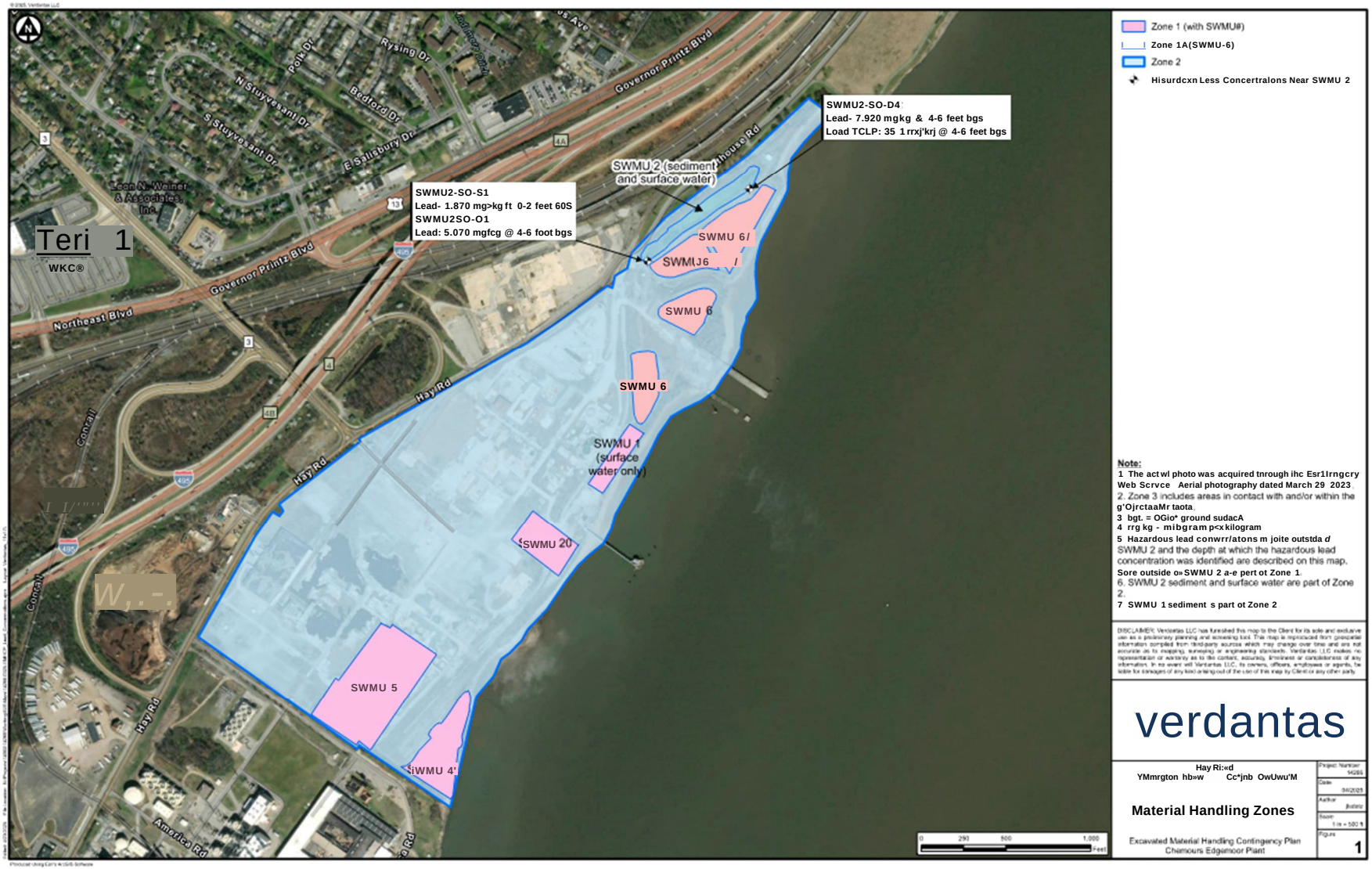
Parsons. 2011. Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284). March 3.

Parsons. 2013. Corrective Measures Study. August.

Department of Natural Resources and Environmental Control (DNREC). 2021. Statement of Basis. April 29.

Attachment 1
Material-Handling Zones

Attachment 1. Material-Handling Zones



Attachment 2
Sediment and Stormwater Management Plan Phase 1 Proof of Concept

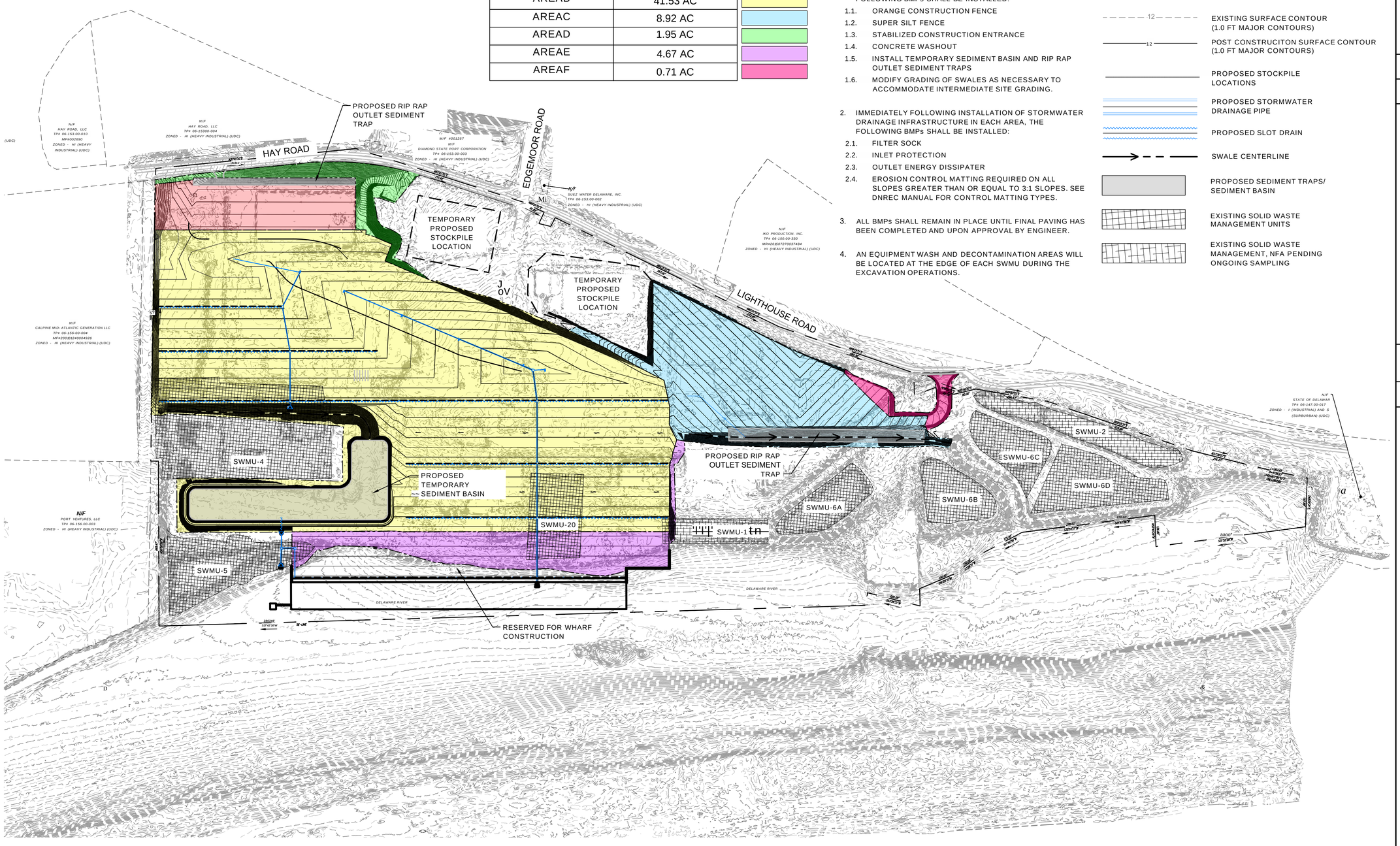
ACREAGE BY DRAINAGE AREA	
AREA A	3.43 AC
AREAB	41.53 AC
AREAC	8.92 AC
AREAD	1.95 AC
AREAE	4.67 AC
AREAF	0.71 AC

SEQUENCING NOTES:

1. PRIOR TO ANY EARTHWORK COMMENCING, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 1.1. ORANGE CONSTRUCTION FENCE
   - 1.2. SUPER SILT FENCE
   - 1.3. STABILIZED CONSTRUCTION ENTRANCE
   - 1.4. CONCRETE WASHOUT
   - 1.5. INSTALL TEMPORARY SEDIMENT BASIN AND RIP RAP OUTLET SEDIMENT TRAPS
   - 1.6. MODIFY GRADING OF SWALES AS NECESSARY TO ACCOMMODATE INTERMEDIATE SITE GRADING.
2. IMMEDIATELY FOLLOWING INSTALLATION OF STORMWATER DRAINAGE INFRASTRUCTURE IN EACH AREA, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 2.1. FILTER SOCK
   - 2.2. INLET PROTECTION
   - 2.3. OUTLET ENERGY DISSIPATER
   - 2.4. EROSION CONTROL MATTING REQUIRED ON ALL SLOPES GREATER THAN OR EQUAL TO 3:1 SLOPES. SEE DNREC MANUAL FOR CONTROL MATTING TYPES.
3. ALL BMPs SHALL REMAIN IN PLACE UNTIL FINAL PAVING HAS BEEN COMPLETED AND UPON APPROVAL BY ENGINEER.
4. AN EQUIPMENT WASH AND DECONTAMINATION AREAS WILL BE LOCATED AT THE EDGE OF EACH SWMU DURING THE EXCAVATION OPERATIONS.

LEGEND

- DRAINAGE BOUNDARY
- ADJACENT PROPERTY LINE
- EXISTING SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- POST CONSTRUCITON SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- PROPOSED STOCKPILE LOCATIONS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SLOT DRAIN
- SWALE CENTERLINE
- PROPOSED SEDIMENT TRAPS/ SEDIMENT BASIN
- EXISTING SOLID WASTE MANAGEMENT UNITS
- EXISTING SOLID WASTE MANAGEMENT, NFA PENDING ONGOING SAMPLING



PERMIT SET
NOT FOR CONSTRUCTION

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1" = 200'

NO.	DATE	REVISION	CHK
0	01.30.26	ISSUED FOR PERMITTING	LM

DSGN: A. DUBOSE | DR: L. MARTIN | CHK: S. RUTKOWSKI | APVD: C. LAWRENCE

BY | APVD
SR

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DELAWARE CONTAINER TERMINAL

EDGEMOOR, DELAWARE

ENSTRUCTURE DCT LLC

SEDIMENT AND STORMWATER MANAGEMENT PLAN - PHASE 1

PROOF OF CONCEPT ATTACHEMENT 1

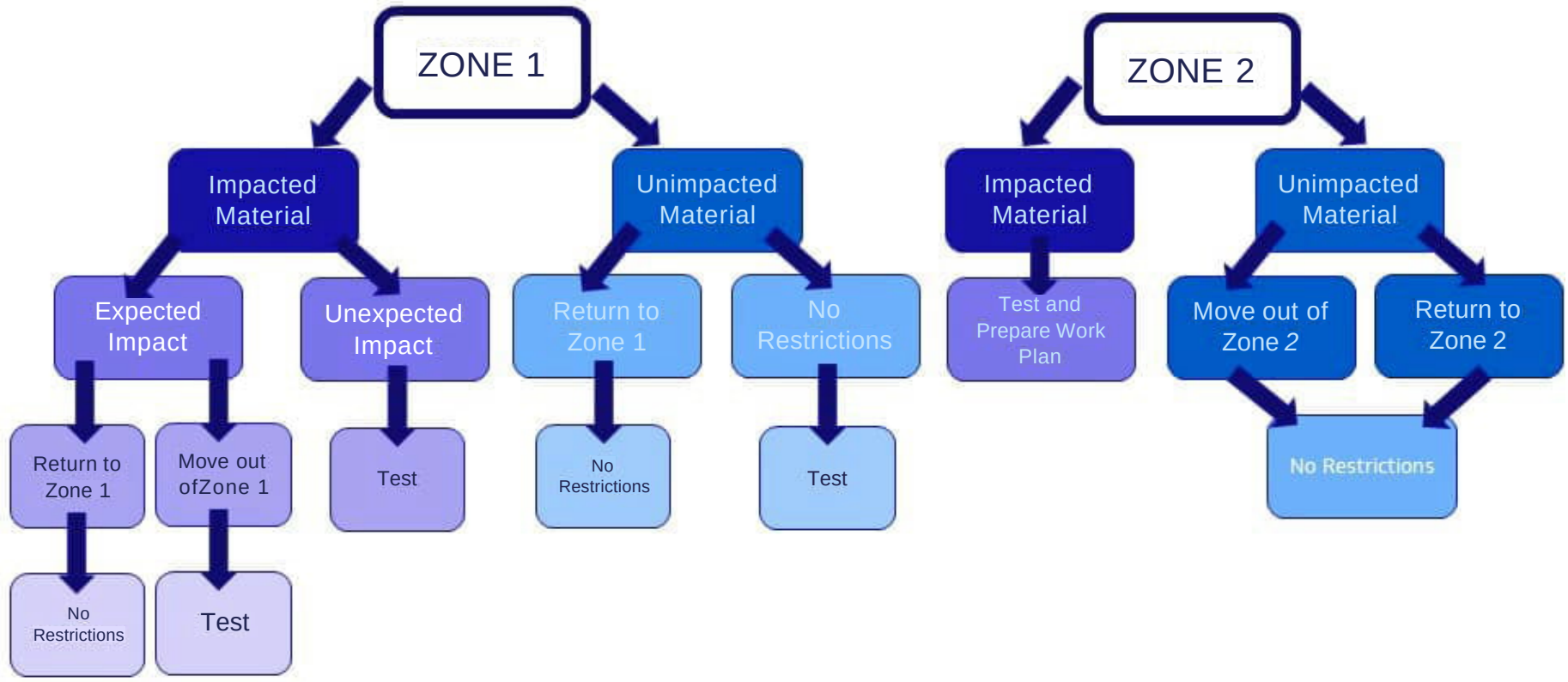
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Attachment 3
Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

Attachment 3. Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

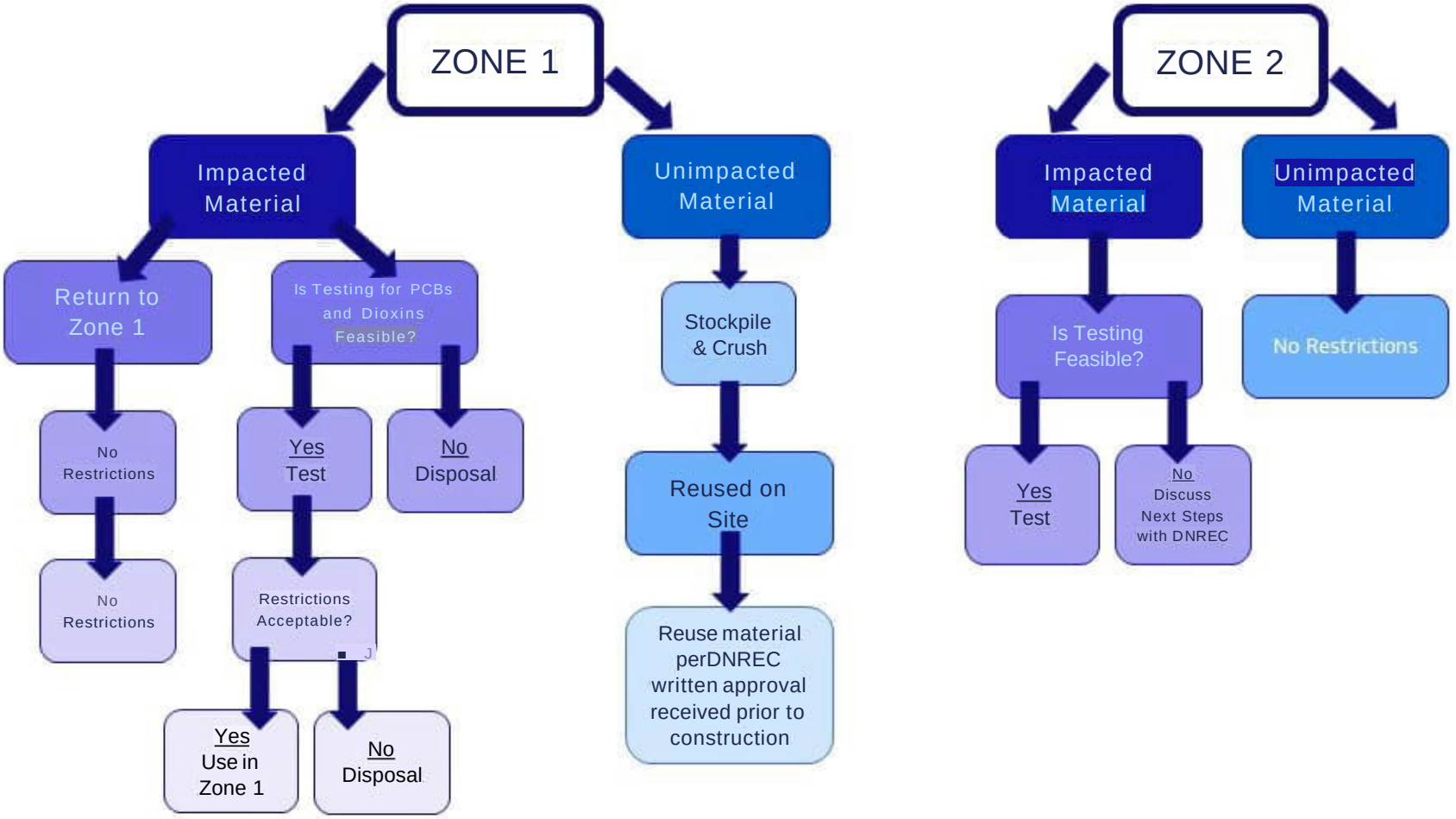
Figure A3-1. Soil and Sediment Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns.

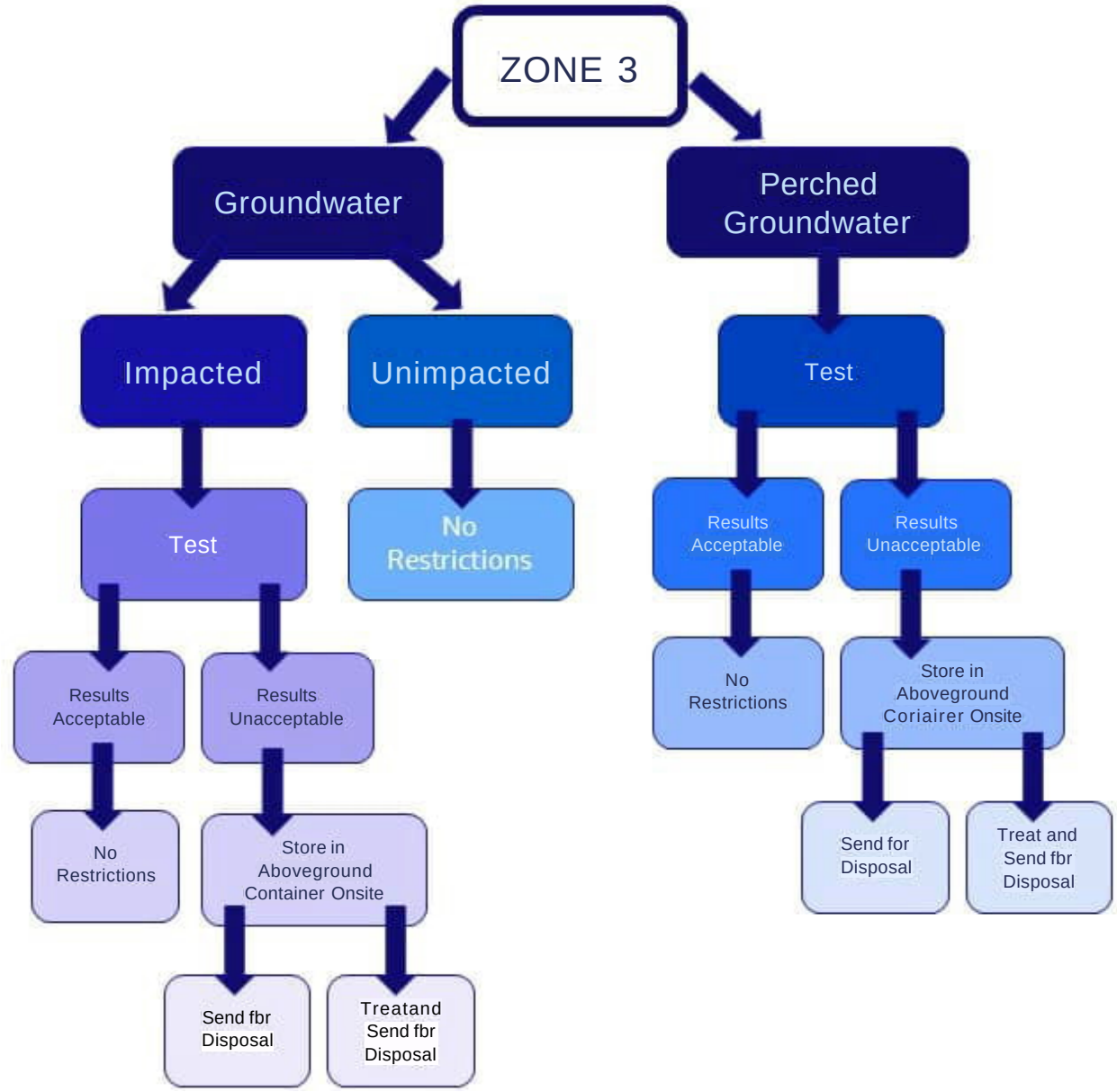
Testing requirements are established in Section 5 of the Excavation and Materials Handling and Contingency Plan (EMHCP) (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-2. Concrete, Crushed Stone, and Other Material Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns. Testing requirements are established in Section 5 of the EMHCP (his attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

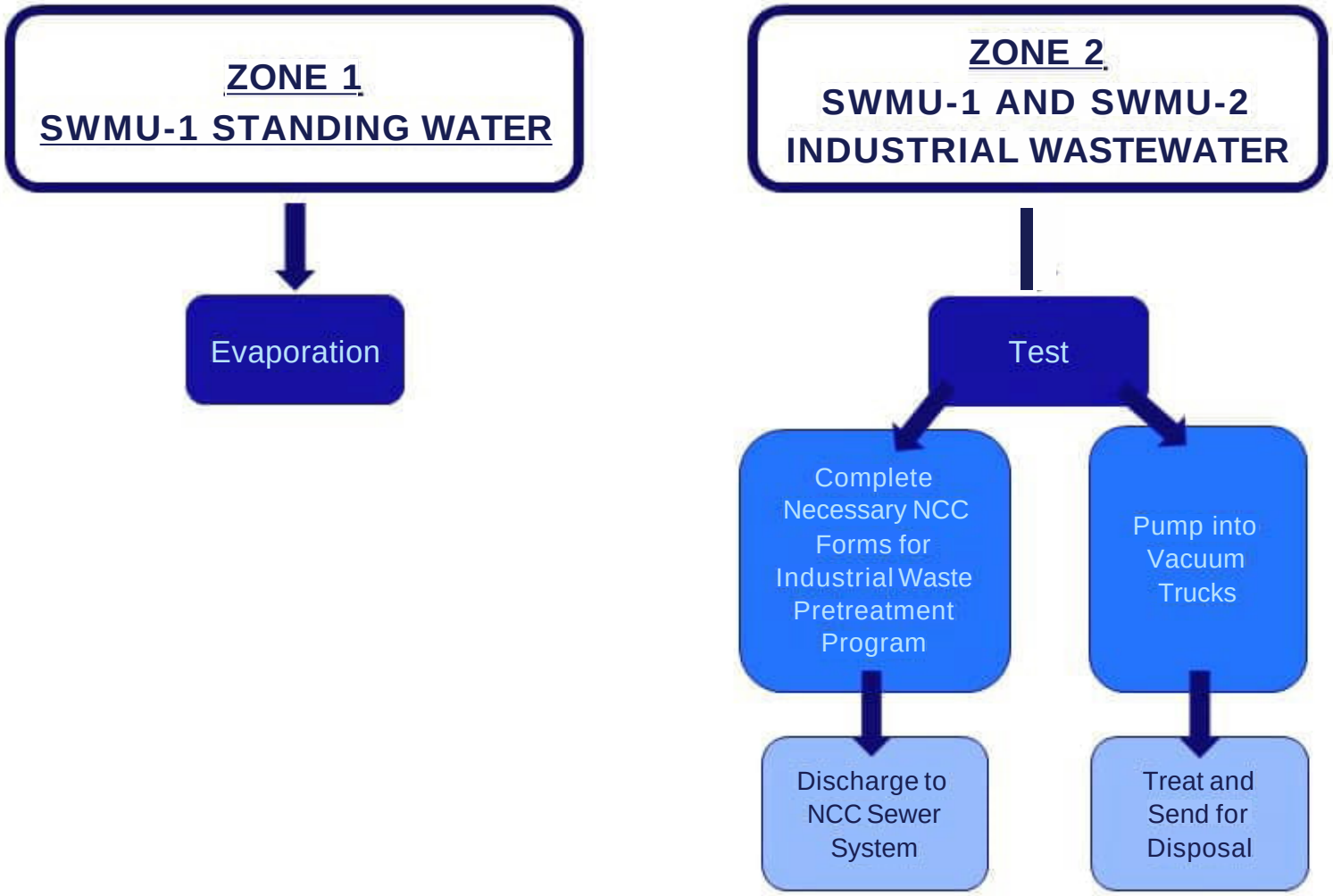
Figure A3-3. Groundwater Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may bean indication of other environmental concerns.

Testing requirements are established in Section 5 of the EMHCP (this attachment is part ofVerdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-4. Surface Water Testing Decision Matrix



Testing requirements are established in Section 5 of the EMHCP (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Attachment 4
Guidance for Notification Requirements

DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

DIVISION OF WASTE AND HAZARDOUS SUBSTANCES

Remediation Section

Hazardous Substance Cleanup Act
Guidance for Notification Requirements

And

HSCA Reporting Level Table

Updated December 2025

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1.0 Introduction

1.1 The purpose of this document is to provide guidance for Section 3.1 of the Regulations Governing Hazardous Substance Cleanup and to help owners or operators understand how and when to notify the State of contamination.

1.2 This regulation and guidance is designed to provide notification to the State of Delaware of hazardous or potentially hazardous conditions that exist on property that is planned for development.

1.3 The notification is intended to facilitate possible remedial actions that will limit exposure to the public, provide cost-effective oversight, and limit potential liability for property owners.

1.4 Notification, in and of itself, does not mean that remediation will be initiated; however, it does mean that the Department of Natural Resources and Environmental Control, Remediation Section (DNREC-RS) will review the available information and decide if further action is warranted.

2.0 Releases and Potential Releases which Require Notification

2.1 Any exceedance of the reporting level table will be subject to the notification requirement if the owner or operator is planning on undertaking land disturbing activities at a facility.

2.1.1 Land disturbing activities include, but are not limited to, digging, drilling, excavating, grading, clearing, earth moving, filling, or performing any subsurface work. Land disturbing activities do not include environmental investigation, planning, designing, or engineering work related to the facility.

2.1.2 Example - A facility owner has a Phase II Environmental Site Assessment (ESA) performed and analytical data is obtained. One of the data points exceeds the reporting level, and it is in an area where they are planning to develop the property or dig a new utility trench. The owner must notify DNREC-RS at least 30 days in advance of the land disturbing activity, so DNREC-RS has enough time to review the report and determine what further action is appropriate.

2.2 Any evidence of a release during land disturbing activities will require notification within 24 hours to the Department's 24 Hour Release Hotline (800-662-8802). Land disturbing activities may continue on another part of the property as long as it is not immediately adjacent to the area where there is evidence of a release. This will prevent situations where all work must stop because the workers can move to another area on the facility and continue to work; however, if they find evidence of a release at the new area, they must continue moving until they can complete their task without finding evidence of a release.

2.2.1 Evidence of a release includes, but is not limited to, appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or, presence of free product.

2.2.2 Example - A facility owner starts developing a facility without performing a Phase I or Phase II ESA and discovers evidence of a release. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC Emergency Prevention and Response Section (DNREC-EPRS) may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

2.2.3 Example - A facility owner has a Phase II ESA performed and analytical data is obtained. None of the data points exceed the reporting levels, so the facility owner does not need to notify DNREC-RS. However, when they begin digging for the new development or utility trench, they notice free product. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC-EPRS may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

3.0 Who is Required to Notify

3.1 The owner or operator is required to notify DNREC-RS if (1) he is planning on undertaking land disturbing activities and he knows that the land has concentrations of hazardous substances at or

above the reporting levels; or (2) he became aware of a release while land disturbing activities were taking place at the facility.

3.1.1 An owner or operator is anyone who owns or operates a facility or who previously owned or operated a facility. For example, a facility manager is an operator because he is involved in operating the facility and is more likely to be aware of possible contamination.

3.2 A Brownfield Developer, prospective purchaser, or a person acting on behalf of the Brownfield Developer, the prospective purchaser, or the owner or operator can report a release to DNREC-RS if they are aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities.

3.3 Any person who is aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities is encouraged to notify DNREC-RS, but is not required to do so.

4.0 How Owners or Operators Notify DNREC

4.1 Notification prior to land disturbing activities

4.1.1 The owner or operator should submit a letter, via email or hard copy, that includes the current address and tax parcel of the property, current and future use, a copy of a Phase I and/or Phase II ESA report, including laboratory data in an editable format (Excel or EDD), and any anecdotal evidence to DNREC-RS at least 30 days prior to undertaking land disturbing activities. This will provide DNREC-RS with enough time to review the information, meet with the owner or operator, and determine what future actions are appropriate.

4.2 Notification during land disturbing activities

4.2.1 The owner or operator, or any person acting on his behalf, must notify the 24 Hour Release Hotline (800-662-8802) within 24 hours of noticing the evidence of release. The DNREC-EPRS will determine the next appropriate action.

5.0 How DNREC-RS notifies an owner or operator of a release

5.1 If DNREC-RS learns of a release at a facility, DNREC-RS will contact the owner or operator via phone call and follow up with a letter, via email or hard copy, to obtain any necessary information, including whether they are planning to undertake land disturbing activities.

6.0 Reporting Levels

6.1 Reporting levels are the concentrations of hazardous substances in the environment that are at or above the levels established by the Department, except for groundwater for which the reporting level shall be equivalent to the levels contained in the Delaware and federal drinking water standards. Reporting levels are indicated in the reporting level table in Appendix A of this guidance and on the RS webpage.

6.2 Reporting levels are only used for notification purposes and should not be used for cleanup purposes. They are not the same as cleanup levels and they should not be used as default cleanup levels. They do not take the place of a human health or ecological risk assessment. There may be a risk to human health or the environment at concentrations in soil or groundwater less than the concentrations listed in the table of reporting levels. Reporting levels do not adequately account for cumulative risk to human health or the environment.

6.3 Reporting levels for Soil

6.3.1 Hazardous Substance Cleanup Act (HSCA) reporting levels for soil are primarily based on the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil, with several exceptions. Regardless of the current or future land use (i.e., residential, commercial, or industrial) at a facility, soil sample results at all facilities should be compared to the HSCA soil reporting level for the particular chemical(s) analyzed.

6.3.2 DNREC-RS recommends analysis of EPA's Target Analyte List (TAL) and Target Compound List (TCL) of chemicals, and any

other chemicals that may be present because of the operational history of the facility.

6.4 Reporting levels for Groundwater

6.4.1 HSCA reporting levels for groundwater are primarily based on the Delaware or federal Maximum Contaminant Level (MCL) for drinking water. Some contaminants have a Delaware MCL, a federal MCL, or both. In the instances where there is both a Delaware and federal MCL, the more conservative level is listed in the HSCA reporting level table. Groundwater sample results should be compared to the groundwater reporting level for the particular chemical(s) analyzed.

6.4.2 DNREC-RS recommends analysis of EPA's TAL and TCL of chemicals, and any other chemicals that may be present because of the operational history of the facility.

6.5 Comparing sample results to reporting levels

6.5.1 After soil and/or groundwater samples are collected from a facility, the individual sample results should be compared to the reporting levels listed in the most recent table provided by DNREC-RS in Appendix A of this guidance and on the RS webpage.

6.5.2 In general, samples that are field-screened only should be compared to the reporting levels and DNREC-RS should be notified if there is an exceedance of a reporting level and if land disturbing activities will occur. If a sample or samples were field-screened and exceed a reporting level, the owner or operator has the option to send those samples to a HSCA-approved laboratory for confirmatory analysis. If the results from the HSCA-approved laboratory do not exceed the reporting level, then DNREC-RS does not need to be notified of these sample results.

6.5.3 Below are two examples comparing sample results to HSCA reporting levels:

6.5.3.1 Example 1 - A Phase II ESA was conducted and soil and groundwater samples were collected from the property. Table 1A and IB show some of the soil and groundwater

sample results from the Phase II ESA, as compared to HSCA reporting levels for soil and groundwater, respectively. Based on this data, one or more soil samples exceed the reporting level for trichloroethylene, benz(a)anthracene, and benzo(a)pyrene. One groundwater sample is equal to the reporting level for trichloroethylene. Prior to undertaking any land disturbing activities, the owner or operator must notify DNREC-RS in writing that these particular hazardous substances are at or above the reporting level for soil and groundwater.

Table 1A: Soil Sample Results compared to HSCA Reporting Levels for Soil

Sample Name		SB01S	SB01D	SB02S
Sample Date		4/7/2013	4/7/2013	4/7/2013
Unit		mg/kg	mg/kg	mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Tetrachloroethylene	86	ND	ND	ND
Trichloroethylene	4.4	2	6	ND
Anthracene	17,000	1.7	ND	0.46
Benz[a]anthracene	1.5	**1.9**	ND	1
Benzo[a]pyrene	0.15	**1.9**	ND	1.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table IB: Groundwater Sample Results compared to HSCA Reporting Levels for Groundwater

Sample Name Sample Date Unit		MW01 4/17/2013 ug/l	MW02 4/17/2013 ug/l	MW03 4/17/2013 ug/l
Chemical Name	Groundwater Reporting Level (ug/l)			
Benzene	5	2	ND	1.1
Tetrachloroethylene	1	ND	ND	ND
Trichloroethylene	1	3.2	5	1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; ug/l = micrograms per liter

6.5.3.2 Example 2 - A limited soil investigation was conducted and soil was analyzed for metals using a field XRF instrument. Table 2A shows some of the results of screening the soil samples with a field XRF instrument. These results were compared to HSCA reporting levels and all three samples exceeded the reporting level for arsenic. These exceedances would need to be reported to DNREC-RS prior to undertaking land disturbing activities. However, all of the same samples were also sent to a lab for confirmatory analysis (Table 2B), which revealed that none of the soil samples exceeded the reporting level for arsenic (or any other analyte). Results from the XRF instrument were biased high. Therefore, DNREC-RS does not need to be notified of these sample results.

Table 2A: Soil Sample Results, field-screened with XRF, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	2.3	ND	**ND**
Arsenic	11	**15**	**28**	**19**
Barium	15,000	1119	1320	1282
Iron	74,767	47,800	53,000	52,000
Lead	400	73	37	66.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table 2B: Soil Sample Results, sent to confirmatory laboratory, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	ND	ND	ND
Arsenic	11	6.7	10	9.6
Barium	15,000	273	298	307
Iron	74,767	47,800	53,000	52,000
Lead	400	26	10.5	24.6

ND = not detected; mg/kg = milligrams per kilogram

6.6 Updates to the Reporting Level Table

6.6.1 The reporting level table will be updated as significant changes occur, and the updated table will be available on the RS webpage (https://dnrec.delaware.gov/waste-hazardous/remediation/laws-regs-guidance/). Analytes may be added or deleted from the table. Therefore, please ensure that you are using the most current version of the reporting level table, available in Appendix A of this guidance and on the RS webpage. The analytes with concentrations that have been updated between the previous version and the current version of the reporting level table will be indicated. The date of the most recent revision will be listed in the heading of the table.

7.0 Procedure after the Department Receives Notification

The course of actions that the Department will take after notification will vary based on the way the notification was received and are described separately.

7.1 Notification Prior to undertaking land disturbing activities

7.1.1 If the owner or operator, Brownfield developer, or his representative, notified DNREC-RS in writing, of a release of a hazardous substance with concentrations at or above the reporting levels, at least 30 days before undertaking land disturbing activities in any area(s) potentially affected by the release at the property, then the following steps are taken:

Step 1: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 2: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or

operator of the program under which the facility will be addressed.

Step 3: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 4: DNREC-RS enters into a letter agreement with the owner or operator.

Step 5: DNREC-RS performs a full review of the available information for the site and determines whether the Phase II ESA is equivalent to a Facility Evaluation and if adequate data is present to perform an initial screening or if additional data is needed.

Step 6: If there is adequate data, DNREC-RS and the owner or operator will agree that an initial screening will be performed by a HSCA certified consultant or DNREC-RS.

Step 7: If additional data is needed, DNREC-RS will require the owner or operator to collect additional data and perform an initial screening using a HSCA certified consultant under the letter agreement. The owner or operator may choose to bypass this step and proceed through the HSCA process to receive a Certificate of Completion of Remedy (COCR) for the facility under the Voluntary Cleanup Program (VCP) or Brownfields Development Program (BDP).

Step 8: If the initial screening indicates that the release does not exceed acceptable risk, then DNREC-RS issues a Conditional No Further Action. If the initial screening exceeds the acceptable risk, then the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.2 Notification during land disturbing activities

7.2.1 If evidence of a release, such as a stained soil, free product or buried materials, was discovered during land disturbing activities, the owner or operator must notify the 24 Hour

Release Hotline (800-662-8802) within 24 hours of learning of the evidence of release, and the following steps are taken:

Step 1: DNREC Emergency Prevention and Response Section (EPRS) visits the site and determines that (1) no action is needed; (2) action under DNREC-RS is needed and refers the facility to DNREC-RS; (3) immediate action is needed and requires the owner or operator to perform the action; (4) residual contamination is present after the immediate action and refers the facility to DNREC-RS; or (5) the site should be referred to a section other than DNREC-RS.

Step 2: DNREC-RS receives notification from EPRS and performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site. One of the following will occur:

(1) DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

(2) DNREC-RS determines that the action taken by EPRS meets the interim action definition under the Regulations Governing Hazardous Substance Cleanup and the site proceeds through the HSCA process to receive a COCR under the VCP or BDP.

Step 5: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.3 Notification by DNREC to the owner or operator

7.3.1 If DNREC-RS becomes aware of a release that exceeds a reporting level or evidence of a release, such as stained soil, free product or buried materials, the following steps are taken:

Step 1: DNREC-RS contacts the owner or operator and collects additional information, including whether the owner is planning on undertaking land disturbing activities.

Step 2: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 5: DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

Step 6: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

8.0 Penalty for Failure to Notify

8.1 If an owner or operator fails to notify DNREC-RS of hazardous substances at or above reporting levels prior to undertaking land disturbing activities or fails to notify DNREC-RS or EPRS of evidence of a release during land disturbing activities, then a Public Hearing will occur and the Department may issue a Secretary's Order to the owner or operator.

8.2 Under HSCA §9109(f), the Secretary has the authority to issue an order to anyone who fails to report a release as required by the regulations. If an owner or operator fails to comply with the Secretary's order, they may be subject to a civil penalty of up to $10,000 per day for each day of non-compliance.

Appendix A

HSCA Reporting Level Table

The reporting level table is arranged in the following manner:

Analyte is indicated in column 1.
Chemical Abstracts Service (CAS) registry number corresponding to the analyte is indicated in column 2. If a CAS number is not available for an analyte, another identifier may be indicated in this column for administrative purposes only.
Whether the analyte is carcinogenic or non-carcinogenic is indicated in column 3.
If analyte is part of EPA's Target Analyte List (TAL) or Target Compound List (TCL), 'TAL' or 'TCL' is indicated in column 4.
Reporting level for soil (direct contact) is indicated in milligrams per kilogram (mg/kg) in column 5.
Key describing how soil (direct contact) reporting level was derived is included in column 6.
Reporting level for groundwater (ingestion) is indicated in micrograms per liter (ug/l) in column 7.
Key describing how groundwater (ingestion) reporting level was derived is included in column 8.

The keys, which describe how the reporting levels were derived, are defined as follows:

BTV	Background Threshold Value was calculated based on samples from Delaware background studies. For soil: The concentration is either a 95% Upper Tolerance Limit (UTL) with 95% coverage (for metals), which represents the value below which 95% of the population values are expected to fall with 95% confidence, or a 95% Upper Simultaneous Limit (USL) (for PAHs) with the exception of Arsenic. Arsenic's background concentration was established previously.
DE MCL	Delaware Maximum Contaminant Level
DRO	DNREC Tier 0 action level for TPH-DRO was adopted as the reporting level
GRO	DNREC Tier 0 action level for TPH-GRO was adopted as the reporting level
MAX	Maximum ceiling value was adopted as the reporting level
MCL	Federal Maximum Contaminant Level
NIOSH	Reporting level was based on the National Institute for Occupational Safety & Health (NIOSH) Exposure Limit
PYR	EPA RSL for Pyrene was adopted as the reporting level for Phenanthrene, although Phenanthrene is not included within the EPA RSL table
RSL	EPA Regional Screening Level (with TR = IE-05 and THQ = 0.1)
TAL	EPA Target Analyte List for Metals and Cyanide
TCL	EPA Target Compound List for Volatile Compounds, Semivolatile Compounds, and Pesticides/Aroclors
mg/kg	milligrams per kilogram
ug/l	micrograms per liter
c	carcinogenic
n	non-carcinogenic

Note: EPA's Regional Screening Levels are found at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. EPA's RSL calculator is found at https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search.

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acephate	30560-19-1	n		19	RSL		
Acetaldehyde	75-07-0	n		82	RSL		
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	n		32	RSL		
Acetochlor	34256-82-1	n		1300	RSL		
Acetone	67-64-1	n	TCL	70000	RSL		
Acetone Cyanohydrin	75-86-5	n		100000	MAX		
Acetonitrile	75-05-8	n		810	RSL		
Acetophenone	98-86-2	n	TCL	7800	RSL		
Acetylaminofluorene, 2-	53-96-3	c		1.4	RSL		
Acrolein	107-02-8	n		0.14	RSL		
Acrylamide	79-06-1	c		2.4	RSL		
Acrylic Acid	79-10-7	n		20	RSL		
Acrylonitrile	107-13-1	c		2.5	RSL		
Adiponitrile	111-69-3	n		100000	MAX		
Alachlor	15972-60-8	c		97	RSL	2	MCL
Aldicarb	116-06-3	n		63	RSL	3	MCL
Aldicarb Sulfone	1646-88-4	n		63	RSL	2	MCL
Aldicarb sulfoxide	1646-87-3					4	MCL
Aldrin	309-00-2	c	TCL	0.39	RSL		
Allyl Alcohol	107-18-6	n		3.5	RSL		
Allyl Chloride	107-05-1	n		1.7	RSL		
Aluminum	7429-90-5	n	TAL	77000	RSL		
Aluminum Phosphide	20859-73-8	n		31	RSL		
Ametryn	834-12-8	n		570	RSL		
Aminobiphenyl, 4-	92-67-1	c		0.26	RSL		
Aminophenol, m-	591-27-5	n		5100	RSL		
Aminophenol, o-	95-55-6	n		250	RSL		
Aminophenol, p-	123-30-8	n		1300	RSL		
Amitraz	33089-61-1	n		160	RSL		
Ammonium Picrate	131-74-8	n		130	RSL		
Ammonium Sulfamate	7773-06-0	n		16000	RSL		
Amyl Alcohol, tert-	75-85-4	n		82	RSL		
Aniline	62-53-3	n		440	RSL		
Anthraquinone, 9,10-	84-65-1	n		130	RSL		
Antimony (metallic)	7440-36-0	n	TAL	31	RSL	6	MCL
Antimony Pentoxide	1314-60-9	n		39	RSL		
Antimony Tetroxide	1332-81-6	n		31	RSL		
Antimony Trioxide	1309-64-4	n		50000	NIOSH		
Arsenic, Inorganic	7440-38-2	c	TAL	11	BTV	10	MCL
Arsine	7784-42-1	n		0.27	RSL		
Asulam	3337-71-1	n		23000	RSL		
Atrazine	1912-24-9	c	TCL	24	RSL	3	MCL
Auramine	492-80-8	c		6.2	RSL		
Avermectin B1	65195-55-3	n		25	RSL		
Azinphos-methyl	86-50-0	n		190	RSL		
Azobenzene	103-33-3	c		56	RSL		
Azodicarbonamide	123-77-3	n		8600	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Barium	7440-39-3	n	TAL	15000	RSL	2000	MCL
Benfluralin	1861-40-1	n		390	RSL		
Benomyl	17804-35-2	n		3200	RSL		
Bensulfuron-methyl	83055-99-6	n		13000	RSL		
Bentazon	25057-89-0	n		1900	RSL		
Benzaldehyde	100-52-7	c	TCL	1700	RSL		
Benzene	71-43-2	c	TCL	12	RSL	5	MCL
Benzene, Trimethyl	25551-13-7	n		51	RSL		
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	n		19	RSL		
Benzenethiol	108-98-5	n		78	RSL		
Benzidine	92-87-5	c		0.0053	RSL		
Benzoic Acid	65-85-0	n		100000	MAX		
Benzotrichloride	98-07-7	c		0.53	RSL		
Benzyl Alcohol	100-51-6	n		6300	RSL		
Benzyl Chloride	100-44-7	c		11	RSL		
Beryllium and compounds	7440-41-7	n	TAL	160	RSL	4	MCL
Bifenox	42576-02-3	n		570	RSL		
Biphenthrin	82657-04-3	n		950	RSL		
Biphenyl, 1,1'-	92-52-4	n	TCL	47	RSL		
Bis(2-chloro-l-methylethyl) ether	108-60-1	n	TCL	3100	RSL		
Bis(2-chloroethoxy)methane	111-91-1	n	TCL	190	RSL		
Bis(2-chloroethyl)ether	111-44-4	c	TCL	2.3	RSL		
Bis(chloromethyl)ether	542-88-1	c		0.00083	RSL		
Bisphenol A	80-05-7	n		3200	RSL		
Boron And Borates Only	7440-42-8	n		16000	RSL		
Boron Trichloride	10294-34-5	n		100000	MAX		
Boron Trifluoride	7637-07-2	n		3100	RSL		
Bromate	15541-45-4	c		9.9	RSL	10	MCL
Bromo-2-chloroethane, 1-	107-04-0	n		0.35	RSL		
Bromo-3-fluorobenzene, 1-	1073-06-9	n		23	RSL		
Bromo-4-fluorobenzene, 1-	460-00-4	n		23	RSL		
Bromoacetic acid	79-08-3	n		110	RSL	60	MCL
Bromobenzene	108-86-1	n		290	RSL		
Bromochloromethane	74-97-5	n	TCL	150	RSL		
Bromodichloromethane	75-27-4	c	TCL	2.9	RSL	80	MCL
Bromoform	75-25-2	c	TCL	190	RSL	80	MCL
Bromomethane	74-83-9	n	TCL	6.8	RSL		
Bromophos	2104-96-3	n		390	RSL		
Bromopropane, 1-	106-94-5	c		16	RSL		
Bromoxynil	1689-84-5	c		53	RSL		
Bromoxynil Octanoate	1689-99-2	c		67	RSL		
Butadiene, 1,3-	106-99-0	c		0.76	RSL		
Butanol, n-	71-36-3	n		7800	RSL		
Butyl Alcohol, t-	75-65-0	c		14000	RSL		
Butyl alcohol, sec-	78-92-2	n		100000	MAX		
Butylate	2008-41-5	n		3900	RSL		
Butylated hydroxyanisole	25013-16-5	c		27000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Butylated hydroxytoluene	128-37-0	c		1500	RSL		
Butylbenzene, n-	104-51-8	n		3900	RSL		
Butylbenzene, sec-	135-98-8	n		7800	RSL		
Butylbenzene, tert-	98-06-6	n		7800	RSL		
Cacodylic Acid	75-60-5	n		1300	RSL		
Cadmium	7440-43-9	n	TAL	7.1	RSL	5	MCL
Caprolactam	105-60-2	n	TCL	31000	RSL		
Captafol	2425-06-1	c		36	RSL		
Captan	133-06-2	c		2400	RSL		
Carbaryl	63-25-2	n		6300	RSL		
Carbofuran	1563-66-2	n		320	RSL	40	MCL
Carbon Disulfide	75-15-0	n	TCL	770	RSL		
Carbon Tetrachloride	56-23-5	c	TCL	6.5	RSL	5	MCL
Carbonyl Sulfide	463-58-1	n		67	RSL		
Carbosulfan	55285-14-8	n		630	RSL		
Carboxin	5234-68-4	n		6300	RSL		
Ceric oxide	1306-38-3	n		100000	MAX		
Chloral Hydrate	302-17-0	n		7800	RSL		
Chloramben	133-90-4	n		950	RSL		
Chloranil	118-75-2	c		13	RSL		
Chlordane (alpha)	5103-71-9	n	TCL	36	RSL		
Chlordane (gamma)	5103-74-2	n	TCL	36	RSL		
Chlordane (technical mixture)	12789-03-6	c		17	RSL	2	MCL
Chlordecone (Kepone)	143-50-0	c		0.54	RSL		
Chlorfenvinphos	470-90-6	n		44	RSL		
Chlorimuron, Ethyl-	90982-32-4	n		5700	RSL		
Chlorine	7782-50-5	n		0.18	RSL		
Chlorine Dioxide	10049-04-4	n		2300	RSL		
Chlorite (Sodium Salt)	7758-19-2	n		2300	RSL	1000	MCL
Chloro-l,l-difluoroethane, 1-	75-68-3	n		54000	RSL		
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	c		0.036	RSL		
Chloro-2-methylaniline HCl, 4-	3165-93-3	c		12	RSL		
Chloro-2-methylaniline, 4-	95-69-2	c		54	RSL		
Chloroacetaldehyde, 2-	107-20-0	c		26	RSL		
Chloroacetic Acid	79-11-8	n		220	RSL	60	MCL
Chloroacetophenone, 2-	532-27-4	n		43000	RSL		
Chloroaniline, p-	106-47-8	c	TCL	27	RSL		
Chlorobenzene	108-90-7	n	TCL	280	RSL	100	MCL
Chlorobenzene sulfonic acid, p-	98-66-8	n		6300	RSL		
Chlorobenzilate	510-15-6	c		49	RSL		
Chlorobenzoic Acid, p-	74-11-3	n		1900	RSL		
Chlorobenzotrifluoride, 4-	98-56-6	c		22	RSL		
Chlorobutane, 1-	109-69-3	n		3100	RSL		
Chlorodifluoromethane	75-45-6	n		49000	RSL		
Chloroethanol, 2-	107-07-3	n		1600	RSL		
Chloroform	67-66-3	c	TCL	3.2	RSL	80	MCL
Chloromethane	74-87-3	n	TCL	110	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Chloromethyl Methyl Ether	107-30-2	c		0.2	RSL		
Chloronitrobenzene, o-	88-73-3	c		18	RSL		
Chloronitrobenzene, p-	100-00-5	n		44	RSL		
Chlorophenol, 2-	95-57-8	n	TCL	390	RSL		
Chloropicrin	76-06-2	n		2	RSL		
Chlorothalonil	1897-45-6	c		320	RSL		
Chlorotoluene, o-	95-49-8	n		1600	RSL		
Chlorotoluene, p-	106-43-4	n		1600	RSL		
Chlorozotocin	54749-90-5	c		0.023	RSL		
Chlorpropham	101-21-3	n		320	RSL		
Chlorpyrifos	2921-88-2	n		63	RSL		
Chlorpyrifos Methyl	5598-13-0	n		630	RSL		
Chlorsulfuron	64902-72-3	n		3200	RSL		
Chlorthal-dimethyl	1861-32-1	n		630	RSL		
Chlorthiophos	60238-56-4	n		51	RSL		
Chromium(III), (Insoluble Salts)	16065-83-1	n		50000	NIOSH		
Chromium(III), (Soluble Compounds)	16065-83-1	n		85000	RSL		
Chromium(VI)	18540-29-9	c		9.5	RSL		
Chromium, Total	7440-47-3		TAL	210	BTV	100	MCL
Clofentezine	74115-24-5	n		820	RSL		
Cobalt	7440-48-4	n	TAL	34	BTV		
Copper	7440-50-8	n	TAL	3100	RSL	1300	MCL
Cresol, m-	108-39-4	n		3200	RSL		
Cresol, o-	95-48-7	n	TCL	3200	RSL		
Cresol, p-	106-44-5	n	TCL	1300	RSL		
Cresol, p-chloro-m-	59-50-7	n	TCL	6300	RSL		
Cresols	1319-77-3	n		6300	RSL		
Crotonaldehyde, trans-	123-73-9	c		3.7	RSL		
Cumene	98-82-8	n	TCL	1900	RSL		
Cupferron	135-20-6	c		25	RSL		
Cyanazine	21725-46-2	c		6.5	RSL		
Cyanides							
-Calcium Cyanide	592-01-8	n		78	RSL		
-Copper Cyanide	544-92-3	n		390	RSL		
-Cyanide (CN-)	57-12-5	n	TAL	24	RSL	200	MCL
-Cyanogen	460-19-5	n		78	RSL		
-Cyanogen Bromide	506-68-3	n		7000	RSL		
-Cyanogen Chloride	506-77-4	n		3900	RSL		
-Hydrogen Cyanide	74-90-8	n		23	RSL		
-Potassium Cyanide	151-50-8	n		160	RSL		
-Potassium Silver Cyanide	506-61-6	n		390	RSL		
-Silver Cyanide	506-64-9	n		7800	RSL		
-Sodium Cyanide	143-33-9	n		78	RSL	200	MCL
-Zinc Cyanide	557-21-1	n		3900	RSL		
Cyclohexane	110-82-7	n	TCL	6500	RSL		
Cyclohexane, l,2,3,4,5-pentabromo-6-chloro-	87-84-3	c		270	RSL		
Cyclohexanone	108-94-1	n		28000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Cyclohexene	110-83-8	n		310	RSL		
Cyclohexylamine	108-91-8	n		16000	RSL		
Cyfluthrin	68359-37-5	n		1600	RSL		
Cyromazine	66215-27-8	n		32000	RSL		
Dalapon	75-99-0	n		1900	RSL	200	MCL
Daminozide	1596-84-5	c		300	RSL		
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	n		440	RSL		
Demeton	8065-48-3	n		2.5	RSL		
Di(2-ethylhexyl)adipate	103-23-1	c		4500	RSL	400	MCL
Diallate	2303-16-4	c		89	RSL		
Diazinon	333-41-5	n		44	RSL		
Dibromo-3-chloropropane, 1,2-	96-12-8	c	TCL	0.053	RSL	0.2	MCL
Dibromoacetic acid	631-64-1	n		19	RSL	60	MCL
Dibromobenzene, 1,3-	108-36-1	n		31	RSL		
Dibromobenzene, 1,4-	106-37-6	n		780	RSL		
Dibromochloromethane	124-48-1	c	TCL	83	RSL	80	MCL
Dibromoethane, 1,2-	106-93-4	c	TCL	0.36	RSL	0.05	MCL
Dibromomethane (Methylene Bromide)	74-95-3	n		24	RSL		
Dibutyltin Compounds	E1790661	n		19	RSL		
Dicamba	1918-00-9	n		1900	RSL		
Dichloro-2-butene, 1,4-	764-41-0	c		0.021	RSL		
Dichloro-2-butene, cis-1,4-	1476-11-5	c		0.074	RSL		
Dichloro-2-butene, trans-1,4-	110-57-6	c		0.074	RSL		
Dichloroacetic Acid	79-43-6	c		110	RSL	60	MCL
Dichlorobenzene, 1,2-	95-50-1	n	TCL	1800	RSL	600	MCL
Dichlorobenzene, 1,4-	106-46-7	c	TCL	26	RSL	75	MCL
Dichlorobenzidine, 3,3'-	91-94-1	c	TCL	12	RSL		
Dichlorobenzophenone, 4,4'-	90-98-2	n		570	RSL		
Dichlorodifluoromethane	75-71-8	n	TCL	87	RSL		
Dichlorodiphenyldichloroethane, p,p'- (DDD)	72-54-8	c	TCL	23	RSL		
Dichlorodiphenyldichloroethylene, p,p'- (DDE)	72-55-9	c	TCL	20	RSL		
Dichlorodiphenyltrichloroethane, p,p'- (DDT)	50-29-3	c	TCL	19	RSL		
Dichloroethane, 1,1-	75-34-3	c	TCL	36	RSL		
Dichloroethane, 1,2-	107-06-2	c	TCL	4.6	RSL	5	MCL
Dichloroethylene, 1,1-	75-35-4	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, cis-1,2-	156-59-2	n	TCL	63	RSL	70	MCL
Dichloroethylene, trans-1,2-	156-60-5	n	TCL	70	RSL	100	MCL
Dichlorophenol, 2,4-	120-83-2	n	TCL	190	RSL		
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	n		700	RSL	70	MCL
Dichloropropane, 1,2-	78-87-5	n	TCL	16	RSL	5	MCL
Dichloropropane, 1,3-	142-28-9	n		1600	RSL		
Dichloropropanol, 2,3-	616-23-9	n		190	RSL		
Dichloropropene, 1,3-	542-75-6	c		18	RSL		
Dichlorvos	62-73-7	c		19	RSL		
Dicrotophos	141-66-2	n		1.9	RSL		
Dicyclopentadiene	77-73-6	n		1.3	RSL		
Dieldrin	60-57-1	c	TCL	0.34	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diethanolamine	111-42-2	n		130	RSL		
Diethylene Glycol Monobutyl Ether	112-34-5	n		1900	RSL		
Diethylene Glycol Monoethyl Ether	111-90-0	n		3800	RSL		
Diethylformamide	617-84-5	n		78	RSL		
Diethylstilbestrol	56-53-1	c		0.016	RSL		
Difenzoquat	43222-48-6	n		5200	RSL		
Diflubenzuron	35367-38-5	n		1300	RSL		
Difluoroethane, 1,1-	75-37-6	n		48000	RSL		
Difluoropropane, 2,2-	420-45-1	n		24000	RSL		
Dihydrosafrole	94-58-6	c		99	RSL		
Diisopropyl Ether	108-20-3	n		2200	RSL		
Diisopropyl Methylphosphonate	1445-75-6	n		6300	RSL		
Dimethipin	55290-64-7	n		1400	RSL		
Dimethoate	60-51-5	n		140	RSL		
Dimethoxybenzidine, 3,3'-	119-90-4	c		0.76	RSL		
Dimethyl Sulfide	75-18-3	n		0.62	RSL		
Dimethyl methylphosphonate	756-79-6	c		3200	RSL		
Dimethylamino azobenzene [p-]	60-11-7	c		1.2	RSL		
Dimethylaniline HCl, 2,4-	21436-96-4	c		9.4	RSL		
Dimethylaniline, 2,4-	95-68-1	c		27	RSL		
Dimethylaniline, N,N-	121-69-7	n		160	RSL		
Dimethylbenzidine, 3,3'-	119-93-7	c		0.11	RSL		
Dimethylformamide	68-12-2	n		2600	RSL		
Dimethylhydrazine, 1,1-	57-14-7	n		0.057	RSL		
Dimethylhydrazine, 1,2-	540-73-8	c		0.0088	RSL		
Dimethylphenol, 2,4-	105-67-9	n	TCL	1300	RSL		
Dimethylphenol, 2,6-	576-26-1	n		38	RSL		
Dimethylphenol, 3,4-	95-65-8	n		63	RSL		
Dimethylvinylchloride	513-37-1	c		11	RSL		
Dinitro-o-cresol, 4,6-	534-52-1	n	TCL	5.1	RSL		
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	n		130	RSL		
Dinitroaniline, 3,5-	618-87-1	n		25	RSL		
Dinitrobenzene, 1,2-	528-29-0	n		6.3	RSL		
Dinitrobenzene, 1,3-	99-65-0	n		6.3	RSL		
Dinitrobenzene, 1,4-	100-25-4	n		6.3	RSL		
Dinitrophenol, 2,4-	51-28-5	n	TCL	130	RSL		
Dinitrotoluene Mixture, 2,4/2,6-	E1615210	c		8	RSL		
Dinitrotoluene, 2,4-	121-14-2	c	TCL	17	RSL		
Dinitrotoluene, 2,6-	606-20-2	c	TCL	3.6	RSL		
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	n		7.7	RSL		
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	n		7.7	RSL		
Dinitrotoluene, Technical grade	25321-14-6	c		12	RSL		
Dinoseb	88-85-7	n		63	RSL	7	MCL
Dioxane, 1,4-	123-91-1	c		53	RSL		
Dioxins							
~Hexachlorodibenzo-p-dioxin, Mixture	34465-46-8	c		0.001	RSL		
~Tetrachlorodibenzo-p-dioxin, 2,3,7,8- (2,3,7,8-TCDD)	1746-01-6	c		0.000048	RSL	0.00003	MCL

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diphenamid	957-51-7	n		1900	RSL		
Diphenyl Ether	101-84-8	n		34	RSL		
Diphenyl Sulfone	127-63-9	n		51	RSL		
Diphenylamine	122-39-4	n		6300	RSL		
Diphenylhydrazine, 1,2-	122-66-7	c		6.8	RSL		
Diquat	2764-72-9	n		140	RSL	20	MCL
Direct Black 38	1937-37-7	c		0.73	RSL		
Direct Blue 6	2602-46-2	c		0.73	RSL		
Direct Brown 95	16071-86-6	c		0.81	RSL		
Disulfoton	298-04-4	n		2.5	RSL		
Dithiane, 1,4-	505-29-3	n		780	RSL		
Diuron	330-54-1	n		130	RSL		
Dodine	2439-10-3	n		1300	RSL		
Endosulfan	115-29-7	n		470	RSL		
Endosulfan Sulfate	1031-07-8	n	TCL	380	RSL		
Endothall	145-73-3	n		1300	RSL	100	MCL
Endrin	72-20-8	n	TCL	19	RSL	2	MCL
Epichlorohydrin	106-89-8	n		19	RSL		
Epoxybutane, 1,2-	106-88-7	n		160	RSL		
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	n		2500	RSL		
Ethephon	16672-87-0	n		320	RSL		
Ethion	563-12-2	n		32	RSL		
Ethoxyethanol Acetate, 2-	111-15-9	n		2600	RSL		
Ethoxyethanol, 2-	110-80-5	n		2600	RSL		
Ethyl Acetate	141-78-6	n		620	RSL		
Ethyl Acrylate	140-88-5	n		47	RSL		
Ethyl Chloride	75-00-3	n	TCL	5400	RSL		
Ethyl Ether	60-29-7	n		16000	RSL		
Ethyl Methacrylate	97-63-2	n		1800	RSL		
Ethyl Tertiary Butyl Ether (ETBE)	637-92-3	c		1300	RSL		
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	n		3900	RSL		
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	n		0.63	RSL		
Ethylbenzene	100-41-4	c	TCL	58	RSL	700	MCL
Ethylene Cyanohydrin	109-78-4	n		4400	RSL		
Ethylene Diamine	107-15-3	n		7000	RSL		
Ethylene Glycol	107-21-1	n		51000	RSL		
Ethylene Glycol Monobutyl Ether	111-76-2	n		6300	RSL		
Ethylene Oxide	75-21-8	c		0.02	RSL		
Ethylene Thiourea	96-45-7	n		5.1	RSL		
Ethyleneimine	151-56-4	c		0.027	RSL		
Ethylphthalyl Ethyl Glycolate	84-72-0	n		100000	MAX		
Fenamiphos	22224-92-6	n		16	RSL		
Fenpropathrin	39515-41-8	n		1600	RSL		
Fenvalerate	51630-58-1	n		1600	RSL		
Fluometuron	2164-17-2	n		820	RSL		
Fluoride	16984-48-8	n		3100	RSL		
Fluorine (Soluble Fluoride)	7782-41-4	n		4700	RSL	2000	DE_MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Fluridone	59756-60-4	n		5100	RSL		
Flurprimidol	56425-91-3	n		2500	RSL		
Flusilazole	85509-19-9	n		130	RSL		
Flutolanil	66332-96-5	n		32000	RSL		
Fluvalinate	69409-94-5	n		630	RSL		
Folpet	133-07-3	n		5700	RSL		
Fomesafen	72178-02-0	n		630	RSL		
Fonofos	944-22-9	n		130	RSL		
Formaldehyde	50-00-0	c		43	RSL		
Formic Acid	64-18-6	n		29	RSL		
Fosetyl-AL	39148-24-8	n		100000	MAX		
Furans							
~Dibenzofuran	132-64-9	n	TCL	78	RSL		
~Furan	110-00-9	n		78	RSL		
-Tetrahydrofuran	109-99-9	n		18000	RSL		
Furazolidone	67-45-8	c		1.4	RSL		
Furfural	98-01-1	n		210	RSL		
Furium	531-82-8	c		3.6	RSL		
Furmecyclox	60568-05-0	c		180	RSL		
Glufosinate, Ammonium	77182-82-2	n		380	RSL		
Glutaraldehyde	111-30-8	n		6000	RSL		
Glycidaldehyde	765-34-4	n		23	RSL		
Glyphosate	1071-83-6	n		6300	RSL	700	MCL
Guanidine	113-00-8	n		780	RSL		
Guanidine Chloride	50-01-1	n		1300	RSL		
Guanidine Nitrate	506-93-4	n		1900	RSL		
Haloxyfop, Methyl	69806-40-2	n		3.2	RSL		
Heptachlor	76-44-8	c	TCL	1.3	RSL	0.4	MCL
Heptachlor Epoxide	1024-57-3	c	TCL	0.7	RSL	0.2	MCL
Heptanal, n-	111-71-7	n		24	RSL		
Heptane, N-	142-82-5	n		22	RSL		
Hexabromobenzene	87-82-1	n		160	RSL		
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	n		13	RSL		
Hexachlorobenzene	118-74-1	n	TCL	0.78	RSL	1	MCL
Hexachlorobutadiene	87-68-3	c	TCL	12	RSL		
Hexachlorocyclohexane, Alpha-	319-84-6	c	TCL	0.86	RSL		
Hexachlorocyclohexane, Beta-	319-85-7	c	TCL	3	RSL		
Hexachlorocyclohexane, Delta-	319-86-8	n		0.0038	RSL		
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Technical	608-73-1	c		3	RSL		
Hexachlorocyclopentadiene	77-47-4	n	TCL	1.8	RSL	50	MCL
Hexachloroethane	67-72-1	c	TCL	18	RSL		
Hexachlorophene	70-30-4	n		19	RSL		
Hexahydro-1,3,5-trinitro-l,3,5-triazine (RDX)	121-82-4	c		83	RSL		
Hexamethylene Diisocyanate, 1,6-	822-06-0	n		3.1	RSL		
Hexamethylene diisocyanate biuret	4035-89-6	n		100000	MAX		
Hexamethylene diisocyanate isocyanurate	3779-63-3	n		100000	MAX		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Hexamethylphosphoramide	680-31-9	n		25	RSL		
Hexane, Commercial	E5241997	c		120	RSL		
Hexane, n-	110-54-3	n		610	RSL		
Hexanedioic Acid	124-04-9	n		100000	MAX		
Hexanol, 1-,2-ethyl- (2-Ethyl-l-hexanol)	104-76-7	n		15	RSL		
Hexanone, 2-	591-78-6	n	TCL	200	RSL		
Hexazinone	51235-04-2	n		2100	RSL		
Hexythiazox	78587-05-0	n		1600	RSL		
Hydramethylnon	67485-29-4	n		1100	RSL		
Hydrazine	302-01-2	c		0.32	RSL		
Hydrazine Sulfate	10034-93-2	c		2.3	RSL		
Hydrogen Chloride	7647-01-0	n		100000	MAX		
Hydrogen Fluoride	7664-39-3	n		3100	RSL		
Hydrogen Sulfide	7783-06-4	n		100000	MAX		
Hydroquinone	123-31-9	c		90	RSL		
Imazalil	35554-44-O	c		89	RSL		
Imazaquin	81335-37-7	n		16000	RSL		
Imazethapyr	81335-77-5	n		100000	MAX		
Iodine	7553-56-2	n		780	RSL		
Iprodione	36734-19-7	n		2500	RSL		
Iron	7439-89-6	n	TAL	75000	BTV		
Isobutyl Alcohol	78-83-1	n		7800	RSL		
Isophorone	78-59-1	c	TCL	5700	RSL		
Isopropalin	33820-53-0	n		1200	RSL		
Isopropanol	67-63-0	n		5600	RSL		
Isopropyl Methyl Phosphonic Acid	1832-54-8	n		6300	RSL		
Isopropyltoluene, p-	99-87-6	n		170	RSL		
Isoxaben	82558-50-7	n		3200	RSL		
Lactofen	77501-63-4	n		510	RSL		
Lactonitrile	78-97-7	n		13	RSL		
Lanthanum	7439-91-0	n		3.9	RSL		
Lanthanum Acetate Hydrate	100587-90-4	n		1.3	RSL		
Lanthanum Chloride Heptahydrate	10025-84-0	n		1.5	RSL		
Lanthanum Chloride, Anhydrous	10099-58-8	n		2.2	RSL		
Lanthanum Nitrate Hexahydrate	10277-43-7	n		1.3	RSL		
Lead Compounds							
-Lead Phosphate	7446-27-7	c		820	RSL		
~Lead acetate	301-04-2	c		26	RSL		
-Lead and Compounds	7439-92-1		TAL	200	RSL	10	MCL
-Lead subacetate	1335-32-6	c		140	RSL		
-Tetraethyl Lead	78-00-2	n		0.0078	RSL		
Lewisite	541-25-3	n		0.39	RSL		
Linuron	330-55-2	n		490	RSL		
Lithium	7439-93-2	n		160	RSL		
Malathion	121-75-5	n		1300	RSL		
Maleic Anhydride	108-31-6	n		6300	RSL		
Maleic Hydrazide	123-33-1	n		32000	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Malononitrile	109-77-3	n		6.3	RSL		
Mancozeb	8018-01-7	n		1900	RSL		
Maneb	12427-38-2	n		320	RSL		
Manganese	7439-96-5	n	TAL	2100	BTV		
Mephosfolan	950-10-7	n		5.7	RSL		
Mepiquat Chloride	24307-26-4	n		1900	RSL		
Mercaptobenzothiazole, 2-	149-30-4	n		250	RSL		
Mercury Compounds							
-Mercuric Chloride	7487-94-7	n		23	RSL	2	MCL
-Mercury (elemental)	7439-97-6	n	TAL	7.1	RSL	2	MCL
-Methyl Mercury	22967-92-6	n		7.8	RSL		
-Phenylmercuric Acetate	62-38-4	n		5.1	RSL		
Merphos	150-50-5	n		2.3	RSL		
Metalaxyl	57837-19-1	n		3800	RSL		
Methacrylonitrile	126-98-7	n		7.5	RSL		
Methamidophos	10265-92-6	n		3.2	RSL		
Methanol	67-56-1	n		100000	MAX		
Methidathion	950-37-8	n		95	RSL		
Methomyl	16752-77-5	n		1600	RSL		
Methoxy-5-nitroaniline, 2-	99-59-2	c		110	RSL		
Methoxychlor	72-43-5	n	TCL	320	RSL	40	MCL
Methoxyethanol Acetate, 2-	110-49-6	n		110	RSL		
Methoxyethanol, 2-	109-86-4	n		260	RSL		
Methyl Acetate	79-20-9	n	TCL	78000	RSL		
Methyl Acrylate	96-33-3	n		150	RSL		
Methyl Ethyl Ketone (2-Butanone)	78-93-3	n	TCL	27000	RSL		
Methyl Hydrazine	60-34-4	n		1	RSL		
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	n	TCL	33000	RSL		
Methyl Isocyanate	624-83-9	n		4.6	RSL		
Methyl Methacrylate	80-62-6	n		4400	RSL		
Methyl Parathion	298-00-0	n		16	RSL		
Methyl Phosphonic Acid	993-13-5	n		3800	RSL		
Methyl Styrene (Mixed Isomers)	25013-15-4	n		320	RSL		
Methyl methanesulfonate	66-27-3	c		55	RSL		
Methyl tert-Butyl Ether (MTBE)	1634-04-4	c	TCL	470	RSL	10	DE_MCL
Methyl-l,4-benzenediamine dihydrochloride, 2-	615-45-2	n		19	RSL		
Methyl-2-Pentanol, 4-	108-11-2	n		54000	RSL		
Methyl-5-Nitroaniline, 2-	99-55-8	c		600	RSL		
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	c		0.65	RSL		
Methylaniline Hydrochloride, 2-	636-21-5	c		42	RSL		
Methylarsonic acid	124-58-3	n		630	RSL		
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	n		13	RSL		
Methylbenzene-l,4-diamine sulfate, 2-	615-50-9	n		19	RSL		
Methylcholanthrene, 3-	56-49-5	c		0.055	RSL		
Methylcyclohexane	108-87-2	n		98	RSL		
Methylene Chloride	75-09-2	n	TCL	350	RSL	5	MCL
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	c		12	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	c		120	RSL		
Methylenebisbenzenamine, 4,4'-	101-77-9	c		3.4	RSL		
Methylenediphenyl Diisocyanate	101-68-8	n		100000	MAX		
Methylstyrene, Alpha-	98-83-9	n		5500	RSL		
Metolachlor	51218-45-2	n		9500	RSL		
Metribuzin	21087-64-9	n		1600	RSL		
Metsulfuron-methyl	74223-64-6	n		16000	RSL		
Mineral oils	8012-95-1	n		100000	MAX		
Mirex	2385-85-5	c		0.36	RSL		
Molinate	2212-67-1	n		130	RSL		
Molybdenum	7439-98-7	n		390	RSL		
Monochloramine	10599-90-3	n		7800	RSL		
Monomethylaniline	100-61-8	n		130	RSL		
Myclobutanil	88671-89-0	n		1600	RSL		
N,N'-Diphenyl-l,4-benzenediamine	74-31-7	n		19	RSL		
Naled	300-76-5	n		160	RSL		
Naphtha, High Flash Aromatic (HFAN)	64742-95-6	n		2300	RSL		
Napropamide	15299-99-7	n		7600	RSL		
Nickel Acetate	373-02-4	n		670	RSL		
Nickel Carbonate	3333-67-3	n		670	RSL		
Nickel Carbonyl	13463-39-3	n		820	RSL		
Nickel Hydroxide	12054-48-7	n		820	RSL		
Nickel Oxide	1313-99-1	n		840	RSL		
Nickel Refinery Dust	E715532	n		820	RSL		
Nickel Soluble Salts	7440-02-0	n	TAL	1400	RSL	100	DE_MCL
Nickel Subsulfide	12035-72-2	c		4.1	RSL		
Nickelocene	1271-28-9	c		6	RSL		
Nitrate (measured as nitrogen)	14797-55-8	n		100000	MAX	10000	MCL
Nitrate + Nitrite (measured as nitrogen)	E701177					10000	MCL
Nitrite (measured as nitrogen)	14797-65-0	n		7800	RSL	1000	MCL
Nitroaniline, 2-	88-74-4	n	TCL	630	RSL		
Nitroaniline, 4-	100-01-6	n	TCL	250	RSL		
Nitrobenzene	98-95-3	c	TCL	51	RSL		
Nitrocellulose	9004-70-0	n		100000	MAX		
Nitrofurantoin	67-20-9	n		4400	RSL		
Nitrofurazone	59-87-0	c		4.2	RSL		
Nitroglycerin	55-63-0	n		6.3	RSL		
Nitroguanidine	556-88-7	n		6300	RSL		
Nitromethane	75-52-5	c		54	RSL		
Nitropropane, 2-	79-46-9	c		0.64	RSL		
Nitroso-N-ethylurea, N-	759-73-9	c		0.045	RSL		
Nitroso-N-methylurea, N-	684-93-5	c		0.01	RSL		
Nitrosodibutylamine, N-	924-16-3	c		0.99	RSL		
Nitrosodiethanolamine, N-	1116-54-7	c		1.9	RSL		
Nitrosodiethylamine, N-	55-18-5	c		0.0081	RSL		
Nitrosodimethylamine, N-	62-75-9	c		0.02	RSL		
Nitrosodiphenylamine, N-	86-30-6	c	TCL	1100	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Nitrosodipropylamine, N-	621-64-7	c	TCL	0.78	RSL		
Nitrosomethylethylamine, N-	10595-95-6	c		0.2	RSL		
Nitrosomorpholine [N-]	59-89-2	c		0.81	RSL		
Nitrosopiperidine [N-]	100-75-4	c		0.58	RSL		
Nitrosopyrrolidine, N-	930-55-2	c		2.6	RSL		
Nitrotoluene, m-	99-08-1	n		6.3	RSL		
Nitrotoluene, o-	88-72-2	c		32	RSL		
Nitrotoluene, p-	99-99-0	n		250	RSL		
Nonane, n-	111-84-2	n		11	RSL		
Norflurazon	27314-13-2	n		95	RSL		
Octabromodiphenyl Ether	32536-52-0	n		190	RSL		
Octahydro-l,3,5,7-tetranitro-l,3,5,7-tetrazocine (HMX)	2691-41-0	n		3900	RSL		
Octamethylpyrophosphoramide	152-16-9	n		130	RSL		
Oryzalin	19044-88-3	c		700	RSL		
Oxadiazon	19666-30-9	n		320	RSL		
Oxamyl	23135-22-0	n		1600	RSL	200	MCL
Oxyfluorfen	42874-03-3	c		74	RSL		
Paclobutrazol	76738-62-0	n		820	RSL		
Paraquat Dichloride	1910-42-5	n		280	RSL		
Parathion	56-38-2	n		380	RSL		
Pebulate	1114-71-2	n		3900	RSL		
Pendimethalin	40487-42-1	n		19000	RSL		
Pentabromodiphenyl Ether	32534-81-9	n		160	RSL		
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	n		6.3	RSL		
Pentachlorobenzene	608-93-5	n		63	RSL		
Pentachloroethane	76-01-7	c		77	RSL		
Pentachloronitrobenzene	82-68-8	c		27	RSL		
Pentachlorophenol	87-86-5	c	TCL	10	RSL	1	MCL
Pentaerythritol tetranitrate (PETN)	78-11-5	n		570	RSL		
Pentamethylphosphoramide (PMPA)	10159-46-3	n		6.3	RSL		
Pentane, n-	109-66-0	n		810	RSL		
Per- and Polyfluoroalkyl Substances (PFAS Salts)							
-Ammonium perfluoro-2-methyl-3-oxahexanoate	62037-80-3	n		0.19	RSL		
-Ammonium perfluorobutanoate	10495-86-0	n		78	RSL		
-Ammonium perfluorodecanoate	3108-42-7	n		0.00013	RSL		
-Ammonium perfluorohexanoate	21615-47-4	n		32	RSL		
-Ammonium perfluorooctanoate	3825-26-1	c		0.00019	RSL		
-Lithium bis[(trifluoromethyl)sulfonyl]azanide	90076-65-6	n		23	RSL		
-Potassium perfluorobutanesulfonate	29420-49-3	n		19	RSL		
-Potassium perfluorobutanoate	2966-54-3	n		160	RSL		
-Potassium perfluorooctanesulfonate	2795-39-3	n		0.0063	RSL		
-Sodium perfluorobutanoate	2218-54-4	n		78	RSL		
-Sodium perfluorohexanoate	2923-26-4	n		32	RSL		
Per- and Polyfluoroalkyl Substances (PFAS)							
~Bis(trifluoromethylsulfonyl)amine (TFSI)	82113-65-3	n		23	RSL		
-Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	n		0.23	RSL	0.01	MCL
~Perfluoro(2-propoxypropanoate)	122499-17-6	n		0.23	RSL	0.01	MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Perfluorobutanesulfonate	45187-15-3	n		19	RSL		
~Perfluorobutanesulfonic acid (PFBS)	375-73-5	n		19	RSL		
~Perfluorobutanoate	45048-62-2	n		78	RSL		
“Perfluorobutanoic acid (PFBA)	375-22-4	n		78	RSL		
~Perfluorodecanoate	73829-36-4	n		0.00013	RSL		
“Perfluorodecanoic acid (PFDA)	335-76-2	n		0.00013	RSL		
~Perfluorododecanoic acid (PFDoDA)	307-55-1	n		3.2	RSL		
~Perfluorohexanesulfonate	108427-53-8	n		1.3	RSL	0.01	MCL
“Perfluorohexanesulfonic acid (PFHxS)	355-46-4	n		1.3	RSL	0.01	MCL
“Perfluorohexanoate	92612-52-7	n		32	RSL		
“Perfluorohexanoic acid (PFHxA)	307-24-4	n		32	RSL		
“Perfluorononanoate	72007-68-2	n		0.19	RSL	0.01	MCL
“Perfluorononanoic acid (PFNA)	375-95-1	n		0.19	RSL	0.01	MCL
~Perfluorooctadecanoic acid (PFODA)	16517-11-6	n		2500	RSL		
“Perfluorooctanesulfonate	45298-90-6	n		0.0063	RSL	0.004	MCL
“Perfluorooctanesulfonic acid (PFOS)	1763-23-1	n		0.0063	RSL	0.004	MCL
“Perfluorooctanoate	45285-51-6	c		0.00019	RSL	0.004	MCL
“Perfluorooctanoic acid (PFOA)	335-67-1	c		0.00019	RSL	0.004	MCL
“Perfluoropropanoic acid (PFPrA)	422-64-0	n		39	RSL		
~Perfluorotetradecanoic acid (PFTetDA)	376-06-7	n		63	RSL		
“Perfluoroundecanoic acid (PFUDA)	2058-94-8	n		19	RSL		
“Potassium perfluorodecanoate	51604-85-4	n		0.00014	RSL		
“Sodium perfluorodecanoate	3830-45-3	n		0.00013	RSL		
Perchlorates							
“Ammonium Perchlorate	7790-98-9	n		55	RSL		
“Lithium Perchlorate	7791-03-9	n		55	RSL		
“Perchlorate and Perchlorate Salts	14797-73-0	n		55	RSL	15	MCL
“Potassium Perchlorate	7778-74-7	n		55	RSL		
“Sodium Perchlorate	7601-89-0	n		55	RSL		
Permethrin	52645-53-1	n		3200	RSL		
Phenacetin	62-44-2	c		2500	RSL		
Phenmedipham	13684-63-4	n		15000	RSL		
Phenol	108-95-2	n	TCL	19000	RSL		
Phenol, 2-(l-methylethoxy)-, methylcarbamate	114-26-1	n		250	RSL		
Phenothiazine	92-84-2	n		32	RSL		
Phenyl Isothiocyanate	103-72-0	n		16	RSL		
Phenylenediamine, m-	108-45-2	n		380	RSL		
Phenylenediamine, o-	95-54-5	c		10	RSL		
Phenylenediamine, p-	106-50-3	n		63	RSL		
Phenylphenol, 2-	90-43-7	c		2800	RSL		
Phorate	298-02-2	n		13	RSL		
Phosgene	75-44-5	n		0.31	RSL		
Phosmet	732-11-6	n		1300	RSL		
Phosphates, Inorganic							
-Aluminum metaphosphate	13776-88-0	n		100000	MAX		
“Aluminum salts of inorganic phosphates	E524680405	n		23000	RSL		
~Dipotassium phosphate	7758-11-4	n		78000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Disodium phosphate	7558-79-4	n		78000	RSL		
~Monoaluminum phosphate	13530-50-2	n		100000	MAX		
-Monopotassium phosphate	7778-77-0	n		78000	RSL		
-Monosodium phosphate	7558-80-7	n		78000	RSL		
-Phosphoric Acid	7664-38-2	n		78000	RSL		
-Phosphoric acid, aluminum salt (1:1) [aluminum phosphate]	7784-30-7	n		86000	RSL		
-Phosphoric acid, aluminum sodium salt (1:X:X) [sodium aluminum	7785-88-8	n		100000	MAX		
-Polyphosphoric acid	8017-16-1	n		78000	RSL		
-Potassium salts of inorganic phosphates	E524680403	n		78000	RSL		
-Potassium tripolyphosphate	13845-36-8	n		78000	RSL		
-Sodium aluminum phosphate (anhydrous)	10279-59-1	n		100000	MAX		
-Sodium aluminum phosphate (tetrahydrate)	10305-76-7	n		100000	MAX		
-Sodium hexametaphosphate	10124-56-8	n		78000	RSL		
-Sodium polyphosphate	68915-31-1	n		78000	RSL		
-Sodium pyrophosphate	7758-16-9	n		78000	RSL		
-Sodium salts of inorganic phosphates	E524680404	n		78000	RSL		
-Sodium trimetaphosphate	7785-84-4	n		78000	RSL		
-Sodium tripolyphosphate	7758-29-4	n		78000	RSL		
-Tetrapotassium phosphate	7320-34-5	n		78000	RSL		
-Tetrasodium pyrophosphate	7722-88-5	n		78000	RSL		
-Trialuminum sodium tetra decahydrogenoctaorthophosphate	15136-87-5	n		100000	MAX		
-Triphosphoric acid, aluminum salt (1:1) [aluminum triphosphate]	13939-25-8	n		100000	MAX		
-Tripotassium phosphate	7778-53-2	n		78000	RSL		
-Trisodium phosphate	7601-54-9	n		78000	RSL		
Phosphine	7803-51-2	n		23	RSL		
Phosphorus	7723-14-0	n		1.6	RSL		
Phthalates							
~Bis(2-ethylhexyl)phthalate	117-81-7	c	TCL	390	RSL	6	MCL
-Butyl Benzyl Phthalate	85-68-7	c	TCL	2900	RSL		
-Butylphthalyl Butylglycolate	85-70-1	n		63000	RSL		
-Dibutyl Phthalate	84-74-2	n	TCL	6300	RSL		
-Diethyl Phthalate	84-66-2	n	TCL	51000	RSL		
-Dimethylterephthalate	120-61-6	n		7800	RSL		
-Octyl Phthalate, di-N-	117-84-0	n	TCL	630	RSL		
-Phthalic Acid, p-	100-21-0	n		32000	RSL		
-Phthalic Anhydride	85-44-9	n		100000	MAX		
Picloram	1918-02-1	n		4400	RSL	500	MCL
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	n		6.3	RSL		
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	n		130	RSL		
Pirimiphos, Methyl	29232-93-7	n		46	RSL		
Polybrominated Biphenyls	36355-01-8	c		0.18	RSL		
Polychlorinated Biphenyls (PCBs)							
-Aroclor 1016	12674-11-2	n	TCL	4.1	RSL		
-Aroclor 1221	11104-28-2	c	TCL	2	RSL		
-Aroclor 1232	11141-16-5	c	TCL	1.7	RSL		
-Aroclor 1242	53469-21-9	c	TCL	2.3	RSL		
-Aroclor 1248	12672-29-6	c	TCL	2.3	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Aroclor 1254	11097-69-1	n	TCL	1.2	RSL		
~Aroclor 1260	11096-82-5	c	TCL	2.4	RSL		
-Aroclor 5460	11126-42-4	n		35	RSL		
-Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	c		1.3	RSL		
-Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	c		1.2	RSL		
-Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	c		0.0012	RSL		
-Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	c		1.2	RSL		
-Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	c		0.00036	RSL		
-Polychlorinated Biphenyls (Total PCBs)	1336-36-3	c		2.3	RSL	0.5	MCL
-Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	c		0.38	RSL		
-Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	c		0.12	RSL		
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	n		100000	MAX		
Polynuclear Aromatic Hydrocarbons (PAHs)							
-Acenaphthene	83-32-9	n	TCL	3600	RSL		
-Anthracene	120-12-7	n	TCL	18000	RSL		
~Benz[a]anthracene	56-55-3	c	TCL	11	RSL		
~Benzo[a]pyrene	50-32-8	c	TCL	1.1	RSL	0.2	MCL
~Benzo[b]fluoranthene	205-99-2	c	TCL	11	RSL		
~Benzo[e]pyrene	192-97-2	n		5.7	RSL		
~Benzo[j]fluoranthene	205-82-3	c		4.2	RSL		
~Benzo[k]fluoranthene	207-08-9	c	TCL	110	RSL		
-Benzofluorene, 2,3-	243-17-4	n		320	RSL		
-Chloronaphthalene, Beta-	91-58-7	n	TCL	4800	RSL		
-Chrysene	218-01-9	c	TCL	1100	RSL		
~Dibenz[a,h]anthracene	53-70-3	c	TCL	1.1	RSL		
~Dibenzo[a,e]pyrene	192-65-4	c		0.42	RSL		
~Dimethylbenz[a]anthracene, 7,12-	57-97-6	c		0.0046	RSL		
-Fluoranthene	206-44-0	n	TCL	2400	RSL		
-Fluorene	86-73-7	n	TCL	2400	RSL		
~Indeno[l,2,3-cd]pyrene	193-39-5	c	TCL	11	RSL		
-Methylnaphthalene, 1-	90-12-0	n		0.18	RSL		
-Methylnaphthalene, 2-	91-57-6	n	TCL	240	RSL		
-Naphthalene	91-20-3	c	TCL	20	RSL		
-Naphthylamine, 2-	91-59-8	c		3	RSL		
-Nitropyrene, 4-	57835-92-4	c		4.2	RSL		
-Perylene	198-55-0	n		5.4	RSL		
-Phenanthrene	85-01-8	n	TCL	1800	PYR		
-Pyrene	129-00-0	n	TCL	1800	RSL		
Prochloraz	67747-09-5	c		36	RSL		
Profluralin	26399-36-0	n		470	RSL		
Prometon	1610-18-0	n		950	RSL		
Prometryn	7287-19-6	n		2500	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Pronamide	23950-58-5	n		4700	RSL		
Propachlor	1918-16-7	n		820	RSL		
Propanil	709-98-8	n		320	RSL		
Propargite	2312-35-8	c		28	RSL		
Propargyl Alcohol	107-19-7	n		160	RSL		
Propazine	139-40-2	n		1300	RSL		
Propham	122-42-9	n		1300	RSL		
Propiconazole	60207-90-1	n		6300	RSL		
Propionaldehyde	123-38-6	n		75	RSL		
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	n		63	RSL		
Propyl benzene	103-65-1	n		3800	RSL		
Propylene	115-07-1	n		2200	RSL		
Propylene Glycol	57-55-6	n		100000	MAX		
Propylene Glycol Dinitrate	6423-43-4	n		100000	MAX		
Propylene Glycol Monomethyl Ether	107-98-2	n		41000	RSL		
Propylene Oxide	75-56-9	c		21	RSL		
Pyridine	110-86-1	n		78	RSL		
Quinalphos	13593-03-8	n		32	RSL		
Quinoline	91-22-5	c		1.8	RSL		
Quizalofop-ethyl	76578-14-8	n		570	RSL		
Resmethrin	10453-86-8	n		1900	RSL		
Ronnel	299-84-3	n		3900	RSL		
Rotenone	83-79-4	n		250	RSL		
Safrole	94-59-7	c		5.5	RSL		
Selenious Acid	7783-00-8	n		390	RSL		
Selenium	7782-49-2	n	TAL	390	RSL	50	MCL
Selenium Sulfide	7446-34-6	n		390	RSL		
Sethoxydim	74051-80-2	n		8800	RSL		
Silica (crystalline, respirable)	7631-86-9	n		5000	NIOSH		
Silver	7440-22-4	n	TAL	390	RSL		
Simazine	122-34-9	c		45	RSL	4	MCL
Sodium Acifluorfen	62476-59-9	n		820	RSL		
Sodium Azide	26628-22-8	n		310	RSL		
Sodium Diethyldithiocarbamate	148-18-5	c		20	RSL		
Sodium Fluoride	7681-49-4	n		3900	RSL		
Sodium Fluoroacetate	62-74-8	n		1.3	RSL		
Sodium Metavanadate	13718-26-8	n		78	RSL		
Sodium Tungstate	13472-45-2	n		63	RSL		
Sodium Tungstate Dihydrate	10213-10-2	n		63	RSL		
Stirofos (Tetrachlorovinphos)	961-11-5	c		230	RSL		
Strontium, Stable	7440-24-6	n		47000	RSL		
Strychnine	57-24-9	n		19	RSL		
Styrene	100-42-5	n	TCL	6000	RSL	100	MCL
Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	57964-39-3	n		190	RSL		
Styrene-Acrylonitrile (SAN) Trimer (THNP isomer)	57964-40-6	n		190	RSL		
Sulfolane	126-33-0	n		63	RSL		
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	n		51	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Sulfur Trioxide	7446-11-9	n		100000	MAX		
Sulfuric Acid	7664-93-9	n		100000	MAX		
Sulfurous acid, 2-chloroethyl 2-[4-(l,l-dimethylethyl)phenoxy]-l-	140-57-8	c		220	RSL		
Tebuthiuron	34014-18-1	n		4400	RSL		
Temephos	3383-96-8	n		1300	RSL		
Terbacil	5902-51-2	n		820	RSL		
Terbufos	13071-79-9	n		2	RSL		
Terbutryn	886-50-0	n		63	RSL		
Tert-Butyl Acetate	540-88-5	c		81	RSL		
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	n		6.3	RSL		
Tetrachlorobenzene, 1,2,4,5-	95-94-3	n	TCL	2.3	RSL		
Tetrachloroethane, 1,1,1,2-	630-20-6	c		20	RSL		
Tetrachloroethane, 1,1,2,2-	79-34-5	c	TCL	6	RSL		
Tetrachloroethylene	127-18-4	n	TCL	81	RSL	1	DE_MCL
Tetrachlorophenol, 2,3,4,6-	58-90-2	n	TCL	1900	RSL		
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	c		0.43	RSL		
Tetraethyl Dithiopyrophosphate	3689-24-5	n		32	RSL		
Tetrafluoroethane, 1,1,1,2-	811-97-2	n		100000	MAX		
Tetramethylphosphoramide, -N,N,N',N'' (TMPA)	16853-36-4	n		6.3	RSL		
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	n		160	RSL		
Thallic Oxide	1314-32-5	n		1.6	RSL		
Thallium (1) Nitrate	10102-45-1	n		0.78	RSL		
Thallium (Soluble Salts)	7440-28-0	n	TAL	0.78	RSL	2	MCL
Thallium Acetate	563-68-8	n		0.78	RSL		
Thallium Carbonate	6533-73-9	n		1.3	RSL		
Thallium Chloride	7791-12-0	n		0.78	RSL		
Thallium Selenite	12039-52-0	n		0.78	RSL		
Thallium Sulfate	7446-18-6	n		1.6	RSL		
Thifensulfuron-methyl	79277-27-3	n		2700	RSL		
Thiobencarb	28249-77-6	n		630	RSL		
Thiocyanates	E1790665	n		16	RSL		
Thiocyanic Acid	463-56-9	n		16	RSL		
Thiocyanic acid, (2-benzothiazolylthio)methyl ester (TCMTB)	21564-17-0	n		1900	RSL		
Thiodiglycol	111-48-8	n		5400	RSL		
Thiofanox	39196-18-4	n		19	RSL		
Thiophanate, Methyl	23564-05-8	c		470	RSL		
Thiram	137-26-8	n		950	RSL		
Thitrol (MCPB)	94-81-5	n		2800	RSL		
Tin	7440-31-5	n		47000	RSL		
Titanium Tetrachloride	7550-45-0	n		50000	NIOSH		
Toluene	108-88-3	n	TCL	4900	RSL	1000	MCL
Toluene-2,4-diisocyanate	584-84-9	n		6.4	RSL		
Toluene-2,6-diisocyanate	91-08-7	n		5.3	RSL		
Toluenediamine, 2,3-	2687-25-4	n		6.3	RSL		
Toluenediamine, 2,5-	95-70-5	n		13	RSL		
Toluenediamine, 3,4-	496-72-0	n		6.3	RSL		
Toluic Acid, p-	99-94-5	n		320	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Toluidine, o- (Methylaniline, 2-)	95-53-4	c		340	RSL		
Toluidine, p-	106-49-0	c		180	RSL		
Total Petroleum Hydrocarbons (TPH)							
-Diesel Range Organics (DRO)	TPH.DRO			1000	DRO		
-Gasoline Range Organics (GRO)	TPH.GRO			100	GRO		
-Total Petroleum Hydrocarbons (Aliphatic High)	E1790670	n		100000	MAX		
-Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666	n		250	RSL		
-Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668	n		96	RSL		
-Total Petroleum Hydrocarbons (Aromatic High)	E1790676	n		18	RSL		
-Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	n		300	RSL		
Toxaphene	8001-35-2	c	TCL	4.9	RSL	3	MCL
Toxaphene, Weathered	E1841606	n		1.9	RSL		
Tralomethrin	66841-25-6	n		470	RSL		
Tri-n-butyltin	688-73-3	n		23	RSL		
Triacetin	102-76-1	n		100000	MAX		
Triadimefon	43121-43-3	n		2100	RSL		
Triallate	2303-17-5	c		97	RSL		
Triasulfuron	82097-50-5	n		630	RSL		
Tribenuron-methyl	101200-48-0	n		510	RSL		
Tribromobenzene, 1,2,4-	615-54-3	n		390	RSL		
Tribromophenol, 2,4,6-	118-79-6	n		570	RSL		
Tribufos	78-48-8	n		13	RSL		
Tributyl Phosphate	126-73-8	c		600	RSL		
Tributyltin Compounds	E1790679	n		19	RSL		
Tributyltin Oxide	56-35-9	n		19	RSL		
Trichloro-l,2,2-trifluoroethane, 1,1,2-	76-13-1	n	TCL	6700	RSL		
Trichloroacetic Acid	76-03-9	c		78	RSL	60	MCL
Trichloroaniline HCl, 2,4,6-	33663-50-2	c		190	RSL		
Trichloroaniline, 2,4,6-	634-93-5	n		1.9	RSL		
Trichlorobenzene, 1,2,3-	87-61-6	n	TCL	63	RSL		
Trichlorobenzene, 1,2,4-	120-82-1	n	TCL	58	RSL	70	MCL
Trichloroethane, 1,1,1-	71-55-6	n	TCL	8100	RSL	200	MCL
Trichloroethane, 1,1,2-	79-00-5	n	TCL	1.5	RSL	5	MCL
Trichloroethylene	79-01-6	n	TCL	4.1	RSL	1	DE_MCL
Trichlorofluoromethane	75-69-4	n	TCL	23000	RSL		
Trichlorophenol, 2,4,5-	95-95-4	n	TCL	6300	RSL		
Trichlorophenol, 2,4,6-	88-06-2	n	TCL	63	RSL		
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	n		630	RSL		
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	n		510	RSL	50	MCL
Trichloropropane, 1,1,2-	598-77-6	n		390	RSL		
Trichloropropane, 1,2,3-	96-18-4	c		0.051	RSL		
Trichloropropene, 1,2,3-	96-19-5	n		0.73	RSL		
Tricresyl Phosphate (TCP)	1330-78-5	n		1300	RSL		
Tridiphane	58138-08-2	n		190	RSL		
Triethylamine	121-44-8	n		120	RSL		
Triethylene Glycol	112-27-6	n		100000	MAX		
Trifluoroethane, 1,1,1-	420-46-2	n		15000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Trifluralin	1582-09-8	n		590	RSL		
Trimethyl Phosphate	512-56-1	c		270	RSL		
Trimethylbenzene, 1,2,3-	526-73-8	n		340	RSL		
Trimethylbenzene, 1,2,4-	95-63-6	n		300	RSL		
Trimethylbenzene, 1,3,5-	108-67-8	n		270	RSL		
Trimethylpentene, 2,4,4-	25167-70-8	n		780	RSL		
Trinitrobenzene, 1,3,5-	99-35-4	n		2200	RSL		
Trinitrotoluene, 2,4,6-	118-96-7	n		36	RSL		
Triphenylphosphine Oxide	791-28-6	n		1300	RSL		
Tris(l,3-Dichloro-2-propyl) Phosphate	13674-87-8	n		1300	RSL		
Tris(l-chloro-2-propyl)phosphate	13674-84-5	n		630	RSL		
Tris(2,3-dibromopropyl)phosphate	126-72-7	c		2.8	RSL		
Tris(2-chloroethyl)phosphate	115-96-8	c		270	RSL		
Tris(2-ethylhexyl)phosphate	78-42-2	c		1700	RSL		
Tungsten	7440-33-7	n		63	RSL		
Uranium (Soluble Salts)	7440-61-1	n		16	RSL	30	MCL
Urethane	51-79-6	c		1.2	RSL		
Vanadium Pentoxide	1314-62-1	n		660	RSL		
Vanadium and Compounds	7440-62-2	n	TAL	390	RSL		
Vernolate	1929-77-7	n		78	RSL		
Vinclozolin	50471-44-8	n		76	RSL		
Vinyl Acetate	108-05-4	n		910	RSL		
Vinyl Bromide	593-60-2	c		2.6	RSL		
Vinyl Chloride	75-01-4	c	TCL	0.59	RSL	1	DE_MCL
Warfarin	81-81-2	n		19	RSL		
Xylene, m-	108-38-3	n		550	RSL		
Xylene, o-	95-47-6	n	TCL	640	RSL		
Xylene, p-	106-42-3	n		560	RSL		
Xylenes	1330-20-7	n		580	RSL	10000	MCL
Zinc Phosphide	1314-84-7	n		23	RSL		
Zinc and Compounds	7440-66-6	n	TAL	23000	RSL		
Zineb	12122-67-7	n		3200	RSL		
Zirconium	7440-67-7	n		6.3	RSL		

HSCA Human Health Reporting Level Table

Comparison - December 2025 vs October 2024

Row Color	Description
yellow	New row December 2025
blue	Old row October 2024
gray	Change effect from old to new

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	December 2025	n		32	RSL	-	
Ammonium perfluorodecanoate	3108-42-7	December 2025	n		0.00013	RSL	-	
Benzofluorene, 2,3-	243-17-4	December 2025	n		320	RSL	-	
Butanol, N-	71-36-3	October 2024	n		7800	RSL	-	
Butanol, n-	71-36-3	December 2025	n		7800	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	October 2024	c		0.1	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	December 2025	c		0.036	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	.....	Change Effect	.	...	-0.064	.....	-	—
Chromium(lll) (Soluble Compounds)	16065-83-1	October 2024	n		85000	RSL	-	
Chromium(lll), (Insoluble Salts)	16065-83-1	December 2025	n		50000	NIOSH	-	
Chromium(lll), (Soluble Compounds)	16065-83-1	December 2025	n		85000	RSL	-	
Chromium(lll), Insoluble Salts	16065-83-1	October 2024	n		50000	NIOSH	-	
Chromium(VI)	18540-29-9	October 2024	c		3	RSL	-	
Chromium(VI)	18540-29-9	December 2025	c		9.5	RSL	-	
Chromium(VI)	.....	Change Effect	.	...	6.5	.....	-	—
Chromium, Total	7440-47-3	October 2024		TAL	214	BTV	100	MCL
Chromium, Total	7440-47-3	December 2025		TAL	210	BTV	100	MCL
Chromium, Total	▮–.....	Change Effect	.	...	-4	.....	-	—
Cyanide (CN-)	57-12-5	October 2024	n	TAL	23	RSL	200	MCL
Cyanide (CN-)	57-12-5	December 2025	n	TAL	24	RSL	200	MCL
Cyanide (CN-)	—	Change Effect	.	...	1	.....	-	—
Dichloroethylene, 1,1-	75-35-4	October 2024	n	TCL	230	RSL	7	MCL
Dichloroethylene, 1,1-	75-35-4	December 2025	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, 1,1-	.....	Change Effect	.	...	-225.2	.....	-	—
Dimethoxybenzidine, 3,3'-	119-90-4	October 2024	c		3.4	RSL	-	
Dimethoxybenzidine, 3,3'-	119-90-4	December 2025	c		0.76	RSL	-	
Dimethoxybenzidine, 3,3'-	–.....	Change Effect	.	...	-2.64	.....	-	.....
Dimethyl Sulfide	75-18-3	December 2025	n		0.62	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	October 2024	c		0.49	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	December 2025	c		0.11	RSL	-	
Dimethylbenzidine, 3,3'-	.....	Change Effect	.	...	-0.38	....	-	.....
EPTC	759-94-4	October 2024	n		3900	RSL	-	
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	December 2025	n		3900	RSL	-	
Formaldehyde	50-00-0	October 2024	c		110	RSL	-	
Formaldehyde	50-00-0	December 2025	c		43	RSL	-	
Formaldehyde	.....	Change Effect	.	...	-67	.....	-	[redacted]
Hexachlorocyclohexane, Delta-	319-86-8	December 2025	n		0.0038	RSL	-	
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	October 2024	c	TCL	5.7	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	December 2025	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	.....	Change Effect	X	...	-5.643	.....	-	.....
Hexane, N-	110-54-3	October 2024	n		610	RSL	-	
Hexane, n-	110-54-3	December 2025	n		610	RSL	-	
Iron	7439-89-6	October 2024	n	TAL	74767	BTV	-	
Iron	7439-89-6	December 2025	n	TAL	75000	BTV	-	
Iron	. .....	Change Effect	.	...	233	.....	-	[redacted]
Isopropyltoluene, p-	99-87-6	December 2025	n		170	RSL	-	
Lead and Compounds	7439-92-1	October 2024		TAL	200	RSL	15	MCL
Lead and Compounds	7439-92-1	December 2025		TAL	200	RSL	10	MCL
Lead and Compounds	.....	Change Effect	.	...	-	.....	-5	.....

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Lead and Compounds (with other sources of lead present, see Guidance)	7439-92-1	October 2024		TAL	100	RSL	-	
MCPA	94-74-6	October 2024	n		32	RSL	-	
MCPB	94-81-5	October 2024	n		2800	RSL	-	
MCPP	93-65-2	October 2024	n		63	RSL	-	
Mercury (elemental)	7439-97-6	October 2024	n	TAL	11	RSL	2	MCL
Mercury (elemental)	7439-97-6	December 2025	n	TAL	7.1	RSL	2	MCL
Mercury (elemental)	.....	Change Effect	.	...	-3.9	.....	-	—
Perfluoro(2-propoxypropanoate)	122499-17-6	December 2025	n		0.23	RSL	0.01	MCL
Perfluorodecanoate	73829-36-4	December 2025	n		0.00013	RSL	-	
Perfluorodecanoic acid (PFDA)	335-76-2	December 2025	n		0.00013	RSL	-	
Phenylenediamine, o-	95-54-5	October 2024	c		45	RSL	-	
Phenylenediamine, o-	95-54-5	December 2025	c		10	RSL	-	
Phenylenediamine, o-	—	Change Effect	.	...	-35	.....	-	—
Potassium perfluorodecanoate	51604-85-4	December 2025	n		0.00014	RSL	-	
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	December 2025	n		63	RSL	-	
Sodium perfluorodecanoate	3830-45-3	December 2025	n		0.00013	RSL	-	
TCDD, 2,3,7,8-	1746-01-6	October 2024	c		0.000048	RSL	0.00003	MCL
Tetrachlorodibenzo-p-dioxin, 2,3.7,8- (2,3,7,8-TCDD)	1746-01-6	December 2025	c		0.000048	RSL	0.00003	MCL
Thitrol (MCPB)	94-81-5	December 2025	n		2800	RSL	-	

Attachment 5
Soil and Waste Tracking Log

Soil and Waste Tracking Log

Project Name: ____________________

Project Address: ____________________

Contractor: ____________________

Excavation Data								Initial Observation			Testing Data							
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Visual/PID Designation	On-Site Reuse Location	Date Placed in SWMU	Sampled Y/N	Sample Type	VOC Reading	Sample Date	Sample ID	Analytical Suite	Date Samples Arrived at Lab	Laboratory Name
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	No visual contam observed, PID=0.0	SWMU-02	1/30/2026	N	-	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Visual discoloration (white), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	Visual discoloration (white, blue), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster

Soil and Waste Tracking Log

Project Name: _____

Project Address: _____

Contractor: _____

Excavation Data								Results/Disposal						
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Waste Designation	Waste Profile ID	Date Transported Offsite	Manifest Number	Transporter	Disposal Facility	Disposal Facility Date
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	On-site reuse	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Non-haz	XYZ001	2/20/2026	001002036JJK	ABC Trans	ABC Landfill	2/20/2026
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	RCRA-Hazardous	JKO1234	4/1/2026	001002037JJK	XYZ Trans	Haz123TSDF	4/1/2026

Appendix F - Cost Estimate

Appendix F - Cost Estimate
Post Closure Care Plan
Site: ReportEdgemoor Port Expansion Project, Edgemoor, Delaware, Former Chemours Edge Moor Plant
Location: Edgemoor, DE
Phase: Preliminary Remedial Design

Date: 9/23/27

OPERATIONS AND MAINTENANCE COSTS					
Item Description	**Quantity**	**Units**	**Unit Cost**	**Cost**	**Comments**
Asphalt Cap Inspection (semi-annual)					1 day x 1 staff per event
Technician	32	**HR**	$105	$3,360	
Vehicle	4	DY	$130	$520	
SWMU-6 surface impoundments Inspection					1 day x 1 staff per event
Technician	32	HR	$105	$3,360	
Vehicle	4	DY	$130	$520	
Semi-Annual Groundwater Sampling	2	EA			10 monitoring wells
Technician	40	HR	$105	$4,200	2 staff x 2 days per event
Vehicle	4	DY	$130	$520	
Sampling Equipment/Field Supplies	4	DY	$250	$1,000	
Chemist	4	HR	$130	$520	lab management - 2 hrs/event
Analytical					2 events - includes QC Samples
ICP Metals - Method 6020	22	EA	$65	$1,430	
SVOCs - Method 8270C	22	EA	$135	$2,970	
Polychlorinated biphenyls (PCBs): (USEPA) Method 1668	22	EA	$850	$18,700	
Polychloronated dibenzo(p) dioxins and furans: USEPA Method 1613	22	EA	$500	$11,000	
Land Use Controls					
Mowing - vegetative cap	21	AC	$175	$3,675	7 acres x 3 times per year
Fence Repair	100	LF	$75	$7,500	Appoximately 1.7 miles of site fencing. Assume 100 lf of fence per year needs to be repaired.
Reporting					
Semiannual Data Report	120	HR	$160	$19,200	2 ea x 60 hrs/report; Average labor rate
Subotal Annual Cost				**$78,475**	
Years	30	EA		**$2,354,250**	
Maintenance					Maintenance repairs unknown; allowance for crack repair, resealing, etc
Cap Repair Year 10	1	LS	$75,000	**$75,000**	
Cap Repair Year 20	1	LS	$75,000	**$75,000**	
Cap Repair Year 30	1	LS	$75,000	**$75,000**	
Subtotal				**$225,000**	
Total				**$2,579,250**	
Project Management	6%		$2,579,250	$154,755	EPA; A Guide to Developing and Documenting Cost Estimates During the Feasibility; July 2000; Exhibit 5-8, p. 5-13, $500K - $2MM
Total Maintenance				**$2,734,005**	

Notes:
1) HR = Hour
2) DY = Day
3) EA = Each
4) LS = Lump Sum

Reference: EPA; A Guide to Developing and Documenting Cost Estimates During the Feasibility; July 2000

Example Percentages for Professional/Technical Services Capital Costs

Capital Cost Element	< $100K (%)	$100K-$500K (%)	$500K-$2M (%)	$2M-$10M (%)	>$10M (%)
Project Management	10%	8%	6%	5%	5%
Remedial Design	20%	15%	12%	8%	6%
Construction Management	15%	10%	8%	6%	6%

Appendix G - Post Closure Care Plan (PCCP)

Revision to the 2010 Post-closure Care Plan–Addendum 1, Revised Monitoring and Maintenance Plan, Closed Surface Impoundments

Document No: PCCP_Addendum 1_Rev 1
Revision: 0 – July 20, 2026
1 – September 28, 2026

Enstructure DCT LLC/DSPC – a Walsh/SBI JV in contract with Enstructure
[Client reference]

Delaware Container Terminal
Edgemoor Planning & OR Support
September 2026

Revision to the 2010 Post-closure Care Plan–Addendum 1, Revised Monitoring and Maintenance Plan,
Closed Surface Impoundments

Client Name:	Enstructure DCT LLC/DSPC – a Walsh/SBI JV in contract with Enstructure		
Project Name:	Delaware Container Terminal Edgemoor Planning & OR Support		
Client Reference:	*[Client reference]*	**Project No:**	D3958901
Document No:	PCCP_Addendum 1_Rev 1		
Revision:	0 – July 20, 2026 1 – September 28, 2026	**Prepared By:**	Jacobs on behalf of DSPC
Date:	September 1, 2026	**File Name:**	Application_Appendix-A_Post-closureCarePlan.docx

Document History and Status

Revision	Date	Description	Author	Checked	Reviewed	Approved
0	July 2026	Revised PCCP	Jacobs on behalf of DSPC	CH	SR	LK
1	September 2026	Revision 1 to the 2010 PCCP Post DNREC Comments	Jacobs on behalf of DSPC	CH	SR	LK

Jacobs Engineering Group Inc.

Two Commerce Square
2001 Market Street
9th Floor, Suite 900
Philadelphia, PA 19103

T +1.215.569.2900
F +1.215.569.5963
www.jacobs.com

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Professional Signatures and Seals

Professional Engineer	Engineer License Number	Expiration Date
Louis Kaminski	Delaware - 33200	6/30/2028

Signature	Date
	**09/28/2026**

Telephone Number	FAX Number	E-mail
646-908-6835	n/a	Louis.kaminski@jacobs.com

Document: Revision to the 2010 Post-Closure Care Plan -Addendum 1, Revised Monitoring and Maintenance Plan, Closure Surface Impoundments, DuPont Edge Moor Plan, Edgemoor, Delaware



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Acronyms and Abbreviations

Acronym	Description
BTAG	(USEPA) Biological Technical Assistance Group
cfs	Cubic feet per second
COC	Constituent of concern
DNREC	(Delaware) Department of Natural Resources and Environmental Control
DO	Dissolved oxygen
DRBC	Delaware River Basin Commission
DRGHW	Delaware Regulations Governing Hazardous Waste
DSPC	Diamond State Port Corporation
DuPont	E. I. du Pont de Nemours and Company
EMHCP	Excavation and Materials Handling Contingency Plan (EMHCP)
FDRTC	Final Decision and Response to Comments
ft/d	Foot per day
L/min	Liter per minute
pg/L	Micrograms per liter
mg/L	Milligrams per liter
msl	Mean sea level
NRWQC	National Recommended Water Quality Criteria
ORP	Oxidation-reduction potential
PCB	Polychlorinated biphenyls
PCCP	Post-Closure Care Plan
Ponds	Closed surface impoundments A, B, C, and D
PQL	Practical quantitation limit

Acronym	Description
QA/QC	Quality assurance/quality control
R.M.	River mile
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SVOC	Semi-volatile organic compound
SWPF	Surface water protection factor
SWQS	(Delaware) Surface Water Quality Standards
TEF	Toxicity equivalent factor
TEQ	Toxicity equivalent quotient
TCDD	Tetrachlorodibenzo(p)dioxin
UPL	Upper prediction limit
USEPA	U. S. Environmental Protection Agency
UTL	Upper tolerance limit
WMP	Waste management plan

1. Introduction

In August 2002, E.I. du Pont de Nemours and Company (DuPont) completed neutralization and stabilization activities for four surface impoundments (A, B, C, and D) located at the DuPont Edge Moor Plant in Edgemoor, New Castle County, Delaware (Figure 1-1). Between September 2003 and March 2004, DuPont installed a cap as a part of the closure of these units. These activities are discussed in the *Documentation of Neutralization and Stabilization Construction Activities for Four Surface Impoundments* (DuPont, 2002) and the Closure Certification Report for Four Surface Impoundments (DuPont, 2004a). The work was completed in accordance with a Consent Order (C.A.01c-10-288CHT). The closure was certified by the Delaware Department of Natural Resources and Environment Control (DNREC) in a letter to DuPont dated September 23, 2004 (DNREC, 2004). As stated in the Delaware Regulations Governing Hazardous Waste (DRGHW) Section 264.117(a)(1), the date of the closure, September 23, 2004, marks the beginning of the 30-year post-closure care and monitoring period.

Following the closure, DuPont submitted the *Post Closure Care Plan (PCCP) for Four Surface Impoundments,* which discussed maintenance and monitoring activities for the closed ponds (DuPont, 2004b). The maintenance activities discussed in the PCCP have not been revised and are presented in this addendum for convenience. However, revisions to the post-closure monitoring are recommended and are the primary focus of this Addendum 1 to the post-closure plan.

The monitoring plan included in the 2004 PCCP outlined the following tasks:

- A hydrogeological investigation to assist in the monitoring network construction
- Phase I groundwater monitoring and baseline determination and development of upper tolerance limits (UTLs)
- Phase II groundwater monitoring, long-term semiannual monitoring, and comparison to UTLs

The first two tasks were completed and reported in the Hydrogeological Evaluation Report (DuPont, 2005) and the letter report to the DNREC dated July 20, 2006, regarding the Baseline Groundwater Compliance Limits (taken from the Baseline Report; DuPont, 2006b; see Appendix A). Since submittal of these documents, DuPont has conducted five rounds of groundwater sampling. The results of additional groundwater sampling events, May 2007 to October 2009, and from 2016 to present are presented in Appendices A and B.

DuPont has prepared the addendum to the PCCP to formalize the final task of long-term monitoring. This document describes the proposed groundwater monitoring well system, analytical parameters, sampling methods, and sampling schedule for post-remedy detection monitoring at the closed impoundments.

The PCCP was previously written on DuPont's behalf for SWMU 6A-D Surface Impoundments Post-Closure Care, but is currently being updated to reflect Phase 1 construction activities at the site. The September 2026 revisions to the PCCP have been amended on behalf of the Diamond State Port Corporation (DSPC) to include the care of the 2021 site-wide remedy for Phase 1 construction.

The 2021 FDRTC requirements, which include the following points:

- Most of the site is to be paved with an asphalt cap.
- The approved Contaminated Materials Management Plan (CMMP), also referred to as the Excavation and Materials Handling Contingency Plan (EMHCP) is to be implemented during site construction or disturbance.

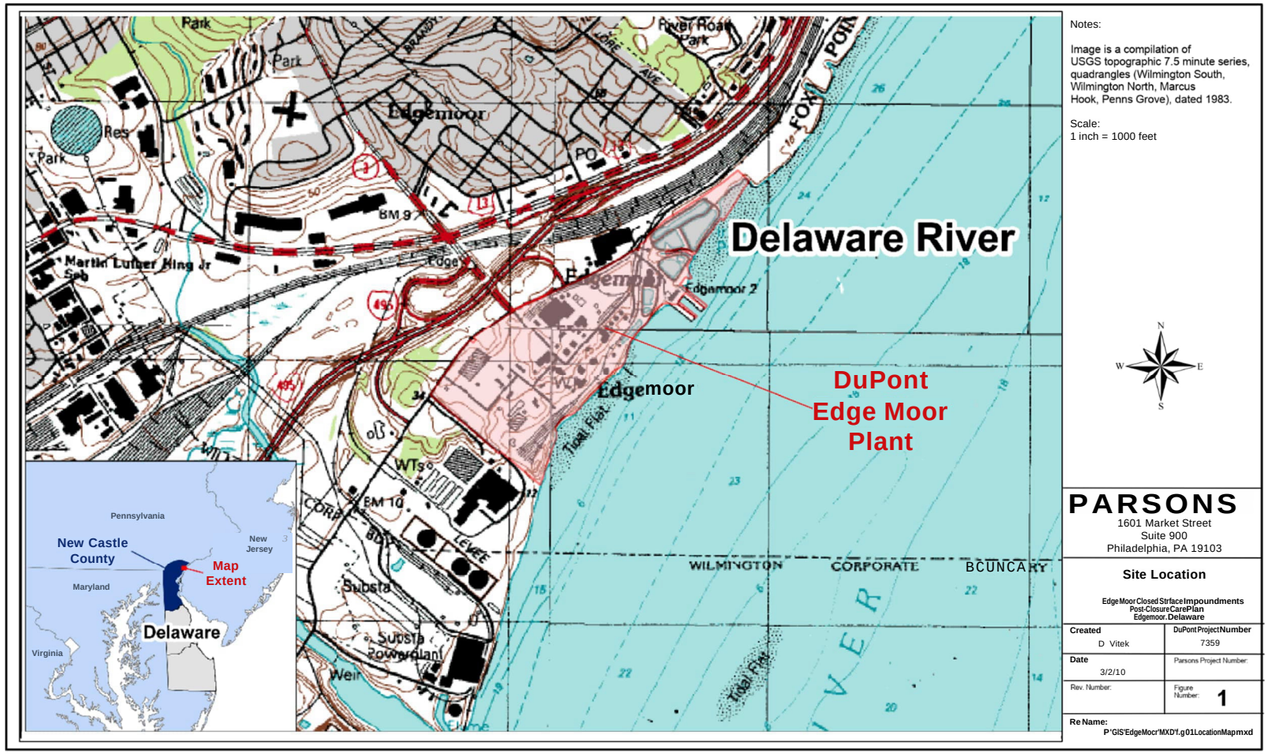
- Groundwater monitoring will continue around the closed surface impoundments, per PCCP requirements. The PCCP will be amended to include provisions for additional operations and maintenance items regarding the asphalt cap or post-port construction features integral to the remedy.
- A UECA covenant will be executed upon remedy completion to protect the remedy in perpetuity.

In addition to these requirements, the following objectives for the overall site management strategy were developed to be protective of human health and the environment:

- Minimize the offsite disposal of soils, and maximize the reuse of soils onsite where geotechnically and environmentally suitable.
- Avoid or minimize disturbances to the four surface impoundments (SWMU 6).
- Maintain RCRA caps on SWMU 6 after redevelopment. Submit plans for DNREC's review and approval for the re-grading and redesign of SWMU 6, and capping as needed, per the final site grades.

Use new infrastructure to improve overall site stormwater management. The EMHCP was revised by DSPC, and approved by DNREC in May of 2026 for Phase 1 development work, and will continue to be implemented for on-site disturbances. Groundwater Monitoring will continue around the closed surface impoundments in accordance with this PCCP. A final Uniform Environmental Covenant Act (UECA) covenant will be executed upon remedy completion for the site. The revised PCCP has been prepared to add the long-term monitoring for the asphalt cap.

Figure 1-1. Site Location



2. Physical Setting and Hydrogeology

The four closed surface impoundments, identified as Ponds A through D, are Located within the northern portion of the Edge Moor Plant area as shown in Figure 2-1. The DuPont Edge Moor Plant and Ponds A through D are located along the bank of the Delaware River in northeastern New Castle County, Delaware (see Figure 1). A detailed description of the physical setting is presented in the PCCP (DuPont, 2004b).

The Edge Moor Closed Surface Impoundments Area is situated within the Atlantic Coastal Plain physiographic province, which is locally composed of the unconsolidated sediments of Pleistocene (Columbia Formation) and Cretaceous ages (Potomac Formation). Under some portions of the site, natural sand, interpreted to belong to the Scotts Corners Formation, was present above the Potomac clay, with the greatest thicknesses generally along the Delaware River and in the central portion of the site. These unconsolidated sediments overlie the igneous and metamorphic basement rocks of the Wissahickon Formation and the Wilmington Complex. A detailed discussion of the regional geology can be found in the *Phase I RFI1 Data Summary Report (DuPont, 2009).*

Underlying the area of the ponds is a fill zone that is 10 to 20 feet thick. Fill materials include unsaturated sand and gravel, silts, and silty clay (Zone A). In the southeastern portion of the pond area, the fill is underlain by a silty sand unit that extends southward along the river (Zone B). This zone pinches out and is absent in the northern area of the ponds, where a zone of inter-layered red and gray clays and silts with some sand lenses (Zone C) underlies Zone A. Below -30 feet mean sea level (msl), the sediments of Zone C become sandier with depth. Underlying Zone C is a weathered bedrock zone (Zone D) at elevations below -50 feet msl. The weathered bedrock (saprolite) is dark green clay to sandy clay.

The drilling logs from the construction of MW-02 and adjacent locations confirm historical records, which indicate that this area was formerly marshland and is underlain by a former channel of an unnamed stream. Dark, organic, fine-grained material underlies this area and is presumed to lie unconformably upon the Potomac Clays into which it cuts. Some boreholes indicate that this wedge of marshland material might have a basal unit that is coarser grained. The presence of the marshland deposits may be relevant because of differing organic-carbon content, clay mineralogy, pH, and oxidation-reduction conditions, in addition to physical hydrogeologic parameters.

There is no distinct, continuous, shallow water zone beneath the majority of the site (DuPont, 2009). Information obtained while installing the pond monitoring wells MW-01 through MW-10 indicated the presence of isolated water-bearing intervals within Zone C from -18 to -60 feet msl. This is the interval in which the pond monitoring wells are screened. Groundwater elevations range from approximately 10 feet msl in wells on the northwestern side of the ponds to approximately 5 feet msl in wells along the river.

Figure 2-1. Closed Surface Impoundments Monitoring Area



Legend

- Closed Ponds
- Monitoring Well Locations
- -0- Surface Water Location

Notes:
Base photo source:
2007 Orthophoto (Delaware DataMIL)

N
W E
S

0 125 250 500
Feet

PARSONS
1601 Market Street
Suite 900
Philadelphia, PA 19103

Closed Surface Impoundments Monitoring Area

Edge Moor Closed Surface Impoundments
Post-Closure Care Plan
Edgemoor, Delaware

Created:	DuPont Project Number
D. Vitek	7359
Date: 3/2/10	Parsons Project Number:
Rev. Number	Figure Number: 2-1

File Name:
P:\GIS\EdgeMoor\MXD\Fig 02 Closed Surface Imps.mxd

3. Post-closure Groundwater Monitoring Program

As stated in the PCCP, post-closure monitoring consists of the following phases:

- Phase I: Establishment of baseline groundwater quality conditions for all wells
- Phase II: Long-term monitoring to ensure the effectiveness of the containment system and to monitor the detection of any potential releases

Phase I consisted of monthly groundwater sampling during the first year of monitoring to establish UTLs for each well as reported in the Baseline Report (DuPont, 2006b). The Phase II long-term groundwater monitoring was initiated in 2007 with semiannual sampling of the monitoring network. The analytical data collected from all events are presented in Appendices A and B. The program described in the following sections will be used to formalize the Phase II long-term monitoring program.

When Phase 2 development occurs, and after the cap for SWMU 6A through 6D are repaired, an increased frequency of groundwater sampling (quarterly, starting within a month of the final repair) will occur for a period of one year. If concentrations trend upward, further repairs may be required and increased monitoring may be warranted.

3.1 Objective

The purpose of the groundwater monitoring program is to monitor the efficacy of the remedial action completed at the former surface impoundments.

3.2 Monitoring Network

Ten monitoring wells (MW-01 through MW-10) comprise the monitoring well network for the closed surface impoundments. Seven of the wells (MW-01 through MW-07) are Located between the closed surface impoundments and the Delaware River, and three wells (MW-08 through MW-10) are located on the upland side of the ponds. A summary of the monitoring network is presented in Table 3-1.

Table 3-1. Revised Sampling and Analysis Program

Well	DNREC Permit Number	Depth (ft bgs)	Screen Interval (ft bgs)	Pump/Tubing Inlet Depth (ft bgs)	Semiannual Sampling and Analysis	Annual Sampling and Analysis
MW-1	204848	41.5	31.5-41.5	36.5	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-2	205018	63.5	43.5-63.5	53.5	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-3	205019	63.5	43.5-63.5	53.5	Metals[a], semi-volatile organic compounds (5V0Cs)[b]	PCBs[c], dioxins, and furans[d]

Well	DNREC Permit Number	Depth (ft bgs)	Screen Interval (ft bgs)	Pump/Tubing Inlet Depth (ft bgs)	Semiannual Sampling and Analysis	Annual Sampling and Analysis
MW-4	205020	72	57-72	64.5	Metals[a], semi-volatile organic compounds (5VOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-5	205021	74	59-74	66.5	Metals[a], semi-volatile organic compounds (5VOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-6	202022	79	64-79	71.5	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-7	205023	85	75-85	80	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-8	—	85	70-85	77.5	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-9	205025	62	52-62	57	Metals[a], semi-volatile organic compounds (SVOCs)[b]	PCBs[c], dioxins, and furans[d]
MW-10	205026	51	36-51	43.5	Metals[a], semi-volatile organic compounds (5VOCs)[b]	PCBs[c], dioxins, and furans[d]

[a] Total and dissolved antimony, arsenic, manganese, thallium (EPA method 6020)
[b] Hexachlorobenzene, hexachlorobutadiene, octochlorostyrene, pentachlorobenzene (EPA method 8270C)
[c] Polychlorinated biphenyls (EPA method 1668)
[d] Polychlorinated dibenzo(p) dioxins and furans (EPA method 1613) bgs = below ground surface
-- = permit number not available

3.3 Monitoring Parameters

Groundwater samples will be collected on a semiannual basis and submitted for analyses in Table 3-2.

Table 3-2. Semiannual Groundwater Sampling Analyses

Constituent	Analytical Method
■ Total and dissolved[a] antimony ■ Total and dissolved[a] arsenic ■ Total and dissolved[a] manganese ■ Total and dissolved[a] thallium	5W-846 Method 6020

Constituent	Analytical Method
■ Hexachlorobenzene ■ Hexachlorobutadiene ■ Octochlorostyrene ■ Pentachlorobenzene	SW-846 Method 8270C

[a] Dissolved samples will be collected and held at the laboratory in the event they are needed.

Groundwater samples and gauging data will be collected from monitoring wells MW-01 through MW-10 on an annual basis and submitted for the analyses in Table 3-3.

Table 3-3. MW-01 Through MW-10 Groundwater Sampling Analyses

Constituent	Analytical Method
Polychlorinated biphenyls (PCBs)	U. S. Environmental Protection Agency(USEPA) Method 1668
Polychloronated dibenzo(p) dioxins and furans	USEPA Method 1613

Based on analytical results from the groundwater sampling to date, PCBs, dioxins, and furans are predominantly bound to particulates. Therefore, analysis of unfiltered samples may result in elevated levels and/or a false positive. To resolve this, an unfiltered replicate sample for PCBs, dioxins, and furans will be collected during the groundwater sampling event. The replicate sample will then be filtered in the laboratory, as needed, and held appropriately in laboratory custody

Table 3-4 lists the analytical methods, necessary preservatives, and allowable hold times for the monitored parameters. Preservatives will be placed in the appropriate sample containers by the laboratory before shipping them to the sample Location. Analytical methods and laboratory quality control (QC) procedures are performed in accordance with the USEPA SW-846, *Test Methods for Evaluating Solid Waste.*

Table 3-4. Sample Container, Preservation, and Holding Time Requirements

Parameters	Media	Container and Volume	Preservative	Maximum Holding Time
8270C	Water	Two 1 L amber glass (minimum 1L)	Cool to 4°C± 2°C	7 days from collection for extraction, 40 days for analysis
1613	Water	Two 1 L amber glass (minimum 1L)	Cool to 4°C± 2°C	1 year from collection for extraction, analyze within 1 year of extraction
1668	Water	Two 1 L amber glass (minimum 1L)	Cool to 4°C± 2°C	1 year from collection for extraction, analyze within 1 year of extraction
6020	Water	1 L polyethylene (minimum 500 ml)	Cool to 4°C± 2°C, pH<2 with HNO3	6 months from collection

Samples collected for multiple parameters may be collected into a larger size sample container provided container type and preservation requirements are the same.

3.4 Groundwater Sampling Methods

Groundwater samples will be collected from the monitoring wells shown in Figure 2-1. The sampling procedures to be used for groundwater monitoring have been derived from the *Procedures for Sampling Ground Water from Monitoring Wells* (DNREC, 1995) and from the *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells* (USEPA, 1996).

3.4.1 Sampling Equipment

The following equipment will be used as a minimum to collect groundwater samples. Additional equipment may be deemed necessary depending on field conditions.

3.4.1.1 Extraction Device

An adjustable rate peristaltic pump or submersible pump (or similar type of device) will be used to draw samples from each well. The pump will be capable of extracting water at 0.1 to 0.5 liter per minute (L/min).

3.4.1.2 Tubing

If a peristaltic pump is used, dedicated polypropylene tubing will be placed in each of the network wells and will be used for all future sampling events. This tubing will have an inner diameter of 1/4 inch to 3/8 inch to ensure the tubing remains filled with liquid when pumping at low rates. The tubing will be placed such that the intakes are positioned in the midpoint of the screened interval. If a submersible pump is used, new disposable tubing will be used for each event.

3.4.1.3 Water-Level Probe

Groundwater elevations will be measured at mean tide during each groundwater sampling event. Because of tidal influence, measurements at wells MW-01 through MW-07 will be made as close as possible to the predicted mean tide. Measurements at MW-08 through MW-10 will be collected immediately afterward. Water levels will be measured using an electronic water-level meter capable of measuring to 0.01-foot accuracy. In addition to the groundwater elevations, surface-water elevations will be measured in the Delaware River at SW-1 to monitor the interaction between groundwater and the Delaware River (Figure 2-1).

3.4.1.4 Flow Measurement

A container of known volume and a stopwatch will be used to measure the pumping rate.

3.4.1.5 Power Source

The electric power required to operate the peristaltic pump will be provided by an automobile battery or through an adapter plugged into the field vehicle cigarette lighter. In the event submersible pumps are used to collected groundwater samples, a gasoline-powered generator will be used as a power source.

3.4.1.6 Monitoring Instruments

Field parameters will be measured prior to sampling using instruments capable of measuring pH, turbidity, specific conductance, dissolved oxygen (DO), oxidation-reduction potential (ORP), and temperature. Use of a flow-through cell is required for all parameters except turbidity. Each instrument will be calibrated daily, prior to sampling, following the manufacturer's directions.

3.4.1.7 Documentation

Field books will be used to record site activities. Appropriate field data will be recorded in a separate field log.

3.4.1.8 Sample Bottles

Sample preservatives will be added to the sample containers by the laboratory, as applicable, prior to shipping them to the site. To allow flexibility in sampling order, each well will have its own chain-of-custody forms.

3.4.2 Groundwater Sampling Procedure

The following procedures will be used when sampling the wells. The wells to be sampled are listed in Table 3-1.

- Remove the well cap, and allow the well to equilibrate to atmospheric pressure before proceeding with water-level measurements and purging/sampling. Internal negative or positive pressure, if encountered when removing the well cap, will be noted.
- Measure the water level before and during pumping, and record in field notes.
- Connect the dedicated suction tubing to the peristaltic pump (or connect single use tubing to the submersible pump). A new section of flexible tubing for insertion around the pump rotor heads will be used at each well and will not be re-used between wells to prevent cross-contamination.
- Start the pump and measure the discharge rate. The desired pumping rate is 0.1 to 0.5 L/min. Purge water will be collected and managed in accordance with Waste Management Plan (WMP; Appendix B, Phase II RFI Work Plan [DuPont, 2010])
- Record water levels during pumping. Adjust the pump speed to minimize drawdown to less than 0.3 feet. If the well goes dry, the sample will be collected after recharge. If the well does not recharge sufficiently within 24 hours, no sample will be collected.
- Begin measurement of field parameters. Field parameters include turbidity, temperature, specific conductance, DO, ORP, and pH and will be measured every three to five minutes. Samples will be collected when the turbidity stabilizes at or below five NTUs and when successive readings are within 10% of each other for three consecutive readings as presented in Table 3-5.
- Collect water samples by disconnecting the flow-through cell from the pump and filling the laboratory-supplied sample bottles directly from the pump discharge.
- Pack samples on wet ice, and ship to the laboratory via laboratory courier. The date and time of sampling, sample identification, container type and volume, analytical method, and name and signature of samplers will be entered on the chain of custody, which will be enclosed in the cooler with the samples.

Table 3-5. Field Parameter Readings

Parameter	Stability Criteria - Micropurge
Turbidity	+/-10% (10 < Turbidity < 50 NTUs)
pH	+/-0.1
Temperature	+/-1 °C
Specific Conductance	+/-3%
ORP	+/-10 millivolts
DO	+/-10% or +/-0.2 milligrams per liter (mg/L) when below 1 mg/L

3.4.3 Quality

The sampling and analysis will be conducted in accordance with the RFI Quality Assurance (QA) Plan (Appendix A, Phase II RFI Work Plan; DuPont, 2010).

3.4.4 Quality Assurance/Quality Control Samples

An equipment rinsate blank will be collected during each sampling event to ensure that equipment decontamination measures during the sampling event were effective in eliminating cross-contamination of samples. One equipment rinsate blank per sampling event is within the recommended one in 20 occurrences for such samples because there are ten wells to be sampled during each event.

A duplicate sample will be collected during each sampling event to provide information on the effects of field sampling and laboratory analytical procedures on the accuracy of the results. One duplicate per sampling event is within the recommended one in 20 occurrences for such samples because there are ten wells to be sampled during each event. The duplicate sample will be analyzed for each parameter analyzed on the corresponding primary sample.

3.4.5 Analytical Data Package and Validation Review

All analytical results will be reported by the laboratory and will include a data package with the following deliverables:

- Chain-of-custody forms
- Analytical results
- QA/QC summaries (matrix spike and duplicate, laboratory control sample and duplicate, replicate, and surrogate recoveries)
- Blank sample results

All analytical data generated will be reviewed by an experienced QA/QC chemist to validate the results, qualify data if necessary, and determine data usability. The data will be stored in the in-house Envista environmental database after undergoing quality checks, and then submitted electronically to DNREC-RS, in DNREC Electronic Data Deliverable (EDD) format..

3.4.6 Health and Safety

ALL field activities will be conducted in accordance with the HeaLth and Safety PLan (Appendix C to the original Phase II RFI Work PLan; DuPont, 2010 and Appendix D to the PCCP, EMHCP, 2026).

3.4.7 Waste Management

All generated wastes, including purge water, disposable materials, and personal protective equipment, will be containerized and disposed of in accordance with the WMP (Appendix B, to the original Phase II RFI Work PLan; DuPont, 2010, and Appendix D to the PCCP, EMHCP, 2026).

4. Data Evaluation

The analytical results will be evaluated and compared to a screening level to determine if a new release has occurred that may present a potential threat to human health and the environment.

In the 2004 PCCP, UTLs were proposed to develop the screening levels. However, UTLs are no longer the USEPA recommended method to calculate a compliance limit. Rather, the USEPA 2009 Unified Guidance (USEPA, 2009a) document recommends Upper Prediction Limits (UPLs) as the preferred method for the calculation of compliance limits. For this project, UPLs were calculated using all groundwater data collected to date and it was determined that the data set is not large enough to properly perform the UPL calculations. Therefore, it was decided to conduct a site-specific analysis to determine the appropriate screening levels for the constituents of concern (COCs) at this site.

The Edge Moor Plant site is located at river mile (R.M.) 72.7, within Zone 5 of the Delaware River that extends from R.M. 78.8 to R.M. 48.2 (Delaware River Basin Commission [DRBC], 2008). Zone 5 is not used as a drinking water supply, but may be used for fishing and contact recreation.

Due to the quality of the neutralization and stabilization activities and the placement of an engineered cap over the four surface impoundments, direct contact with soils is eliminated and only the groundwater to surface water exposure pathway is potentially complete (ENVIRON, 2002). Two exposure scenarios have been carried forward for evaluating current or potential future exposure of closed surface impoundments area COCs to human and/or ecological receptors as presented below:

- **Human Health:** Discharge of potentially affected groundwater into the Delaware River, accumulation of potential COCs in fish tissue, subsequent human exposure through fish consumption and through potential contact during recreational activities.
- **Aquatic Life:** Direct exposure of COCs to aquatic organisms due to potential groundwater discharge into the Delaware River.

A review of available surface water screening criteria was performed to determine the appropriate screening criteria. In addition, an analysis of site-specific hydrology, including groundwater/surface water interaction, was developed.

The following steps have been completed to develop site-specific screening criteria:

- Reviewed available surface water quality criteria for the protection of human health and aquatic life
- Estimated Delaware River flow adjacent to the site
- Calculated groundwater discharge from the closed surface impoundments area to the Delaware River
- Calculated Surface Water Protection Factors (SWPFs)
- Calculated screening levels by multiplying each selected water quality criteria by the SWPF
- Selected site-specific screening levels from the most conservative calculated human health and aquatic life values

4.1.1 Review of Available Water Quality Criteria

Parsons reviewed the following documents to identify applicable screening criteria for Zone 5 of the Delaware River, adjacent to the site:

- **DNREC SWQS:** Surface Water Quality Standards (SWQSs) for the State of Delaware (Title 7 Delaware Administrative Code Section 7401, as last amended July 11, 2004; DNREC, 2004b)
- **DRBC SWQS:** SWQS for the Delaware River Basin from the DRBC (18 CFR Part 140 Article 3, as last amended July 16, 2008; DRBC, 2008)
- **USEPA NRWQC:** National Recommended Water Quality Criteria (NRWQC) from the USEPA (2009).

4.1.1.1 Human Health Screening Criteria

The process to select the screening criteria for the protection of Human Health is comprised of the following two steps:

1. Select the most stringent of the criteria listed in DNREC SWQS or DRBC SWQS. If no value is listed, then
2. Select the criteria listed in USEPA NRWQC.

Table 4-1 presents available DNREC SWQSs and DRBC SWQSs for protection of human health from ingesting fish impacted by carcinogenic compounds and systemic toxicants. For manganese and pentachlorobenzene, no promulgated SWQS values are available; therefore, the USEPA NRWQC is used. No human health criteria are available for octachlorostyrene in any of the three documents referenced.

4.1.1.2 Aquatic Life Screening Criteria

The process to select the screening criteria for the protection of Aquatic Life is comprised of the following three steps:

1. Select the most stringent of the criteria listed in DNREC SWQSs or DRBC SWQSs. If no value is listed, then
2. Select the criteria listed in USEPA NRWQC. If no value is listed, then
3. Review other available water quality screening benchmarks.

Table 4-2 presents the available water quality criteria and benchmarks for protection of aquatic life. DNREC SWQSs and DRBC SWQSs for chronic toxic effects to aquatic life are only available for PCBs and arsenic. Water quality screening benchmark criteria were developed for the remaining constituents using the following approach:

- Benchmark values for antimony, hexachlorobenzene, hexachlorobutadiene, and tetra-chlorodibenzo(p)dioxin (TCDD) equivalents were derived from the USEPA Region 3 Biological Technical Assistance Group (BTAG) freshwater screening benchmarks (USEPA 2006).
- The manganese benchmark is based on a recently-developed criterion adopted by British Columbia, Canada (BCME, 2001) that is dependent on the hardness of the receiving water. The available literature recognizes that manganese toxicity varies with hardness. Therefore, this is the best method available to determine appropriate values.
- The thallium benchmark is based on a study that produced the lowest toxicity values to relevant fish species that could occur in the river, and represents a chronic exposure scenario for 30 days (LeBlanc, GA and J.W. Dean, 1984).

- The pentachlorobenzene benchmark is a Tier II Secondary Chronic value, as cited in the Oak Ridge National Laboratory Report (Suter and Tsao, 1996).

Table 4-1. Human Health Protection Screening Level Selection

Contaminant Of Concern (pg/L)	Delaware Surface Water Quality Standards (DNREC 2004b)		Delaware River Basin Commission (DRBC 2008)		National Recommended Water Quality Criteria (USEPA 2009b)	Lowest Relevant Criterion For Protection of Human Health[a]	
	Fish Ingestion		Freshwater Fish Ingestion		Human Health for the Consumption of Organism Only	Systemic Toxicants	Human Carcinogens
	Systemic Toxicants	Human Carcinogens	Systemic Toxicants	Human Carcinogens			
Metals[b]							
Antimony	1,600	N/A	4,310	N/A	640	1600	N/A
Arsenic (III)	N/A	N/A	73.4	N/A	0.14	73.4	N/A
Manganese	N/A	N/A	N/A	N/A	100[c]	100®	N/A
Thallium	18	N/A	6.2	N/A	0.47	6.2	N/A
Organic Compounds							
Hexachlorobenzene	0.36	0.00028	0.991	0.000775	0.00029	0.36	0.00028
Hexachlorobutadiene	2,900	18	7,750	49.7	18	2,900	18
Octachlorostyrene	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total PCBs	N/A	0.000064	0.00849	0.0000448	0.000064	0.00849	0.0000448
Pentachlorobenzene	N/A	N/A	N/A	N/A	1.5	1.5	N/A
Dioxin TEQ	N/A	5.10E-09	N/A	1.4E-08	5.10E-09	N/A	5.1E-09

[a] Lower of State of Delaware (2004b) or DRBC (2008) values, when available; otherwise, USEPA (2009b) criteria are adopted.

[b] State of Delaware and USEPA criteria for metals are based on dissolved concentration; DRBC values apply to total concentration.

[c] Manganese criterion from USEPA 2009b references Quality Criteria for Water from 1986 and 1976 which are based on consumption of marine mollusks.

N/A= Criterion not available

Table 4-2. Freshwater Aquatic Life Protection Screening Level Selection

Contaminant of Concern (pg/L)	Delaware Surface Water Quality Standards (DNREC 2004b)	Delaware River Basin Commission (DRBC 2008)	National Recommended Water Quality Criteria (USEPA 2009b)	Other Screening Benchmarks	Lowest Relevant Criterion for Protection ofAquatic Life[a]
Metals[b]					
Antimony	N/A	N/A	N/A	30	30
Arsenic (III)	150	190	150	—	150
Manganese	N/A	N/A	N/A	1150[c]	1,150
Thallium	N/A	N/A	N/A	40[d]	40
Organic Compounds					
Hexachlorobenzene	N/A	N/A	N/A	0.0003[e]	0.0003
Hexachlorobutadiene	N/A	N/A	N/A	1.3[e]	1.3
Octachlorostyrene	N/A	N/A	N/A	N/A	N/A
Total PCBs	0.014	0.014	0.014	—	0.014
Pentachlorobenzene	N/A	N/A	N/A	0.47[f]	0.47
Dioxin TEO	N/A	N/A	N/A	3.1E-09[e]	3.10E-09

[a] Lower of DNREC (2004b) or DRBC (2008) values, when available; otherwise, USEPA BTAG freshwater screening benchmarks (USEPA, 2006) is adopted with the exception of manganese, pentachlorobenzene and thallium.
[b] DNREC and USEPA criteria for metals are based on dissolved concentration; DRBC values apply to total concentration.
[c] Manganese criterion based on British Columbia chronic guideline at a hardness of 124 mg/L as CaCCh (BCME, 2001)
[d] 30-day chronic fathead minnow LOEC for thallium (Le Blanc, G. A. and J. W. Dean 1984).
[e] Bioaccumulative reference value
[f] Tier II Secondary chronic value (Suter and Tsao, 1996)
N/A = Criterion not available

The USEPA NRWQC and screening benchmarks are guidelines developed using approaches and assumptions that are not necessarily consistent with the methodologies used to derive DNREC or DRBC SWQS. These guideline values are used as references and do not carry the same regulatory significance as the formally promulgated water quality standards adopted by DNREC and DRBC.

No aquatic life toxicity reference values or benchmarks are available for octachlorostyrene in any of the documents referenced.

Table 4-3 summarizes the lowest selected relevant criterion for protection of human health and for protection of aquatic life. Criteria applicable to specific COCs are discussed further in Section 4.1.5.

Table 4-3. Selected Criteria and Benchmarks for Protection of Human Health and Aquatic Life

Contaminant Of Concern (pg/L)	Protection of Human Health		Protection of Aquatic Life
	Systemic Toxicants	Human Carcinogens	
Metals			
Antimony	1600	N/A	30
Arsenic	73.4	N/A	150
Manganese	100	N/A	1150
Thallium	6.2	N/A	40
Organic Compounds			
Hexachlorobenzene	.36	0.00028	0.0003[a]
Hexachlorobutadiene	2900	18	1.3
Octachlorostyrene	N/A	N/A	N/A
Total PCBs	0.00849	0.0000448	0.014
Pentachlorobenzene	1.5	N/A	0.47
Dioxin TEO	N/A	5.10E-09	3.10E-09[a]

[a] bioaccumulative reference value

4.1.2 Delaware River Flow Adjacent to the Site

Parsons used data from the United States Geological Survey (USGS) Gages to determine flow in the Delaware River. The Trenton Gage on the Delaware River is the closest upstream gage. The Schuylkill River (as measured at the Philadelphia Gage) enters the Delaware River between the Trenton Gage and the site. The flow values from both gage locations are summed to provide a conservative estimate of flow adjacent to the site. There are several other tributaries that enter the Delaware River between the Trenton Gage and the site that are not measured so the actual Delaware River flow adjacent to the site will be higher than that estimated by using the two referenced gages.

DNREC SWQSs (Title 7 Delaware Administrative Code Section 7401; DNREC, 2004b) identify critical flows to be used to develop water-quality-based discharge levels. The Table 4-4 displays the appropriate flow to be used with each type of risk category per DNREC SWQSs.

Table 4-4. Appropriate Risk Category Flow Rate

Risk Category	Flow Rate Used
Human Health Carcinogens	Harmonic Mean Flow
Human Health Systematic Toxicants	The flow of a 30-day duration with a recurrence interval of five years (generally known as the 30Q5 flow)
Chronic Toxicant Effects on Aquatic Wildlife	The flow of a seven-day duration with recurrence interval of 10 years (generally known as the 7010 flow)

Parsons followed DNREC SWQSs, and used the most recent 30-year period of record (1/1/1980 through 12/31/2009) to determine a statistical assessment of various critical low flow conditions of the Delaware River in the vicinity of the site shown in Table 4-5 (measured in cubic feet per second [cfs]).

Table 4-5. Critical Low Flow Conditions Assessment

Flow	Trenton Gage (Gage 01463500)	Philadelphia (Gage 01474500)	Total Flow Adjacent to Site
Harmonic Mean Flow	6,902 cfs	1,373 cfs	8,275 cfs
3005 Flow	2,807 cfs	410 cfs	3,217 cfs
7010 Flow	—	—	2,500 cfs

The 7010 flow, used for evaluating aquatic life chronic toxicity, is specified in the DRBC guidance document (DRBC, 2008) for water quality permitting in Zone 5 of the Delaware River (18 CFR Part 410 Section 4.30.7) as 2,500 cfs.

The flow values summarized above are referred to as the Delaware River Flow (QR) which is used in the calculations presented in Section 4.1.4.

4.1.3 Groundwater discharge to the Delaware River

Groundwater discharge from the closed surface impoundments area to the Delaware River, dew, is calculated based on Darcy's law, as follows:

$$Q_{GW} = fc^{*}/^{*}A$$

*QGW = 3.5 ft/d * 0.019 ft/ft *31,000 ft2 = 2.017 cubic feet per day (cft/d, or 0.024 cfs)*

Where

k = hydraulic conductivity = 3.5 feet per day (ft/d)
i = average hydraulic gradient = 0.019 foot/foot (ft/ft)
A = cross-sectional area of flow = 31,000 square feet

Hydraulic conductivity is based on the slug test result from monitoring well MW-02.

Average hydraulic gradient is based on hydraulic heads between the upgradient wells (MW-10 and MW-9) and the Delaware River water level. To be conservative, the maximum reported head in the upgradient wells, and the mean mid-tide levels in the Delaware River are used in this report. This mean mid-tide level is based on the Delaware River average elevation during a period of 139 hours (almost 6 days). The hydraulic gradient varies from 0.014 ft/ft to 0.024 ft/ft.

Cross-sectional area is calculated using a length of 1,550 feet along the Delaware River with a 20-foot "aquifer" thickness for the first water-bearing soil zone. However, there is no well defined aquifer zone in this region; only interbedded pockets of clayey sand, sandy clay, or sand were observed. A highly conservative thickness of 20 feet is used based on the maximum length of well screen (MW-2 and MW-3); the actual observed thickness of this interbedded zone ranges from <1.0 foot to 8 feet.

4.1.4 Surface Water Protection Factor

In January 2002, ENVIRON International Corporation prepared the *Exposure and Risk Evaluation for Process Ponds* (ENVIRON, 2002). This report concludes that groundwater is mixed with surface waters of the Delaware River prior to direct exposure to aquatic organisms, chemical uptake by fish, or recreational exposure.

This mixing of groundwater with the surface water introduces the concept of a SWPF, defined as the ratio of the flow of the surface water (Delaware River) to the flow of groundwater discharge from the closed surface impoundments area.

$$SWPF = Q_R/Q_{GW}$$

Using the values for QR and QGW listed in Sections 4.1.2 and 4.1.3, respectively (Table 4-6).

Table 4-6. Risk Category SWPF

Risk Category	OR	CLW	SWPF (rounded)
Human Health Carcinogens	8,275 cfs	0.024 cfs	339,300 SWPFHHc
Human Health Systematic Toxicants	3,217 cfs	0.024 cfs	131,900 SWPFnHST
Protection of Aquatic Life	2,500 cfs	0.024 cfs	102,500 SWPFpAL

4.1.5 Selection of Screening Levels

Site-specific screening levels are calculated by multiplying the values from Table 4-3 by the appropriate SWPF. All values are then compared to each other and then the lowest value for each COC is selected as the site-specific screening level.

To select the site-specific screening level:

1. Multiply the SWPFHHc by each Human Health Carcinogens Screening Factor for each COC.
2. Multiply the SWPFHHST by each Human Health Systemic Toxicants Screening Factor for each COC.
3. Multiply the SWPFpAL by each Protection of Aquatic Life Screening Factor for each COC.

The lowest calculated value for each COC is the selected site-specific screening level to be used for the closed surface impoundments assessment. Table 4-7 presents the final groundwater screening levels for use in the post-closure groundwater monitoring program.

Table 4-7. Final Selected Groundwater Screening Levels

Contaminant of Concern (mg/L)	Protection of Human Health		Protection of Aquatic Life	Selected Screening Level
	Systemic Toxicants	Human Carcinogens		
Relevant Flow	8,275 cfs (harmonic mean)	3,217 cfs (3005 flow)	2,500 cfs (7Q10 flow)	
Surface Water Protection Factor	131900	339300	102500	
Metals				
Antimony	211040.00	N/A	3075.00	3075.00
Arsenic	9681.46	N/A	15375.00	9681.46
Manganese	13190.00	N/A	117875.00	13190.00
Thallium	817.78	N/A	4100.00	817.78
OrganicCompounds				
Hexachlorobenzene	47.484	0.095	0.1018	0.095
Hexachlorobutadiene	382510.00	6107.40	133.25	133.25
Octachlorostyrene	N/A	N/A	N/A	0.01 [a]
Total PCBs	1.12	0.0152	1.435	0.0152
Pentachlorobenzene	197.85	N/A	48.175	48.175
Dioxin TEO	N/A	1.73E-06	1.05E-06	1.05E-06

[a] This is the most typical current PQL for Octachlorostyrene per USEPA Method SW 8270

N/A: Not Available

Table 4-8 summarizes the screening Level selected for each COC.

Table 4-8. COC Screening Levies

COC	Screening Level (mg/L)
Antimony	3075.00
Arsenic	9681.46
Manganese	13190.00
Thallium	817.78
Hexachlorobenzene	0.095
Hexachlorobutadiene	133.25
Octachlorostyrene	N/A (PQL =.01 will be used)
Total PBCs	0.0152

COC	Screening Level (mg/L)
Pentachlorobenzene	48.175
2,3,7,8-tetrachlorodibenzodoxin equivalent concentrations (Dioxin TEQ)	1.05E-06

For octachlorostyrene, the current analytical practical quantitation limit (PQL) using Method SW 8270C will be used as the groundwater screening level because no criteria, benchmarks, or other relevant toxicity data are currently available. Octachlorostyrene has not been detected in groundwater at the closed surface impoundments area. The current PQL, as of March 2010, is 10 pg/L.

Dioxin TEQ is calculated as the weighted sum of the concentrations of 7 dioxin congeners, 10 furan congeners, and 12 PCB congeners after each concentration is multiplied by a weighting toxic equivalency factor (TEF) specific to that congener.

4.1.6 Confirmation of an Exceedance

Following each semi-annual groundwater sampling event, the groundwater results will be compared to the screening levels.

If an individual COC returns a result above the corresponding screening levels, this finding does not necessarily indicate an issue with the post-closure remedy; this exceedance needs to be first confirmed. Confirmation will vary depending on the parameter as presented in Figure 4-1.

If the parameter is a total metal, then the laboratory will be requested to analyze the filtered sample to determine the dissolved concentration. If the dissolved metal concentration also exceeds the screening level, then re-sampling will be conducted to collect a confirmatory sample that will be analyzed for that particular metal parameter.

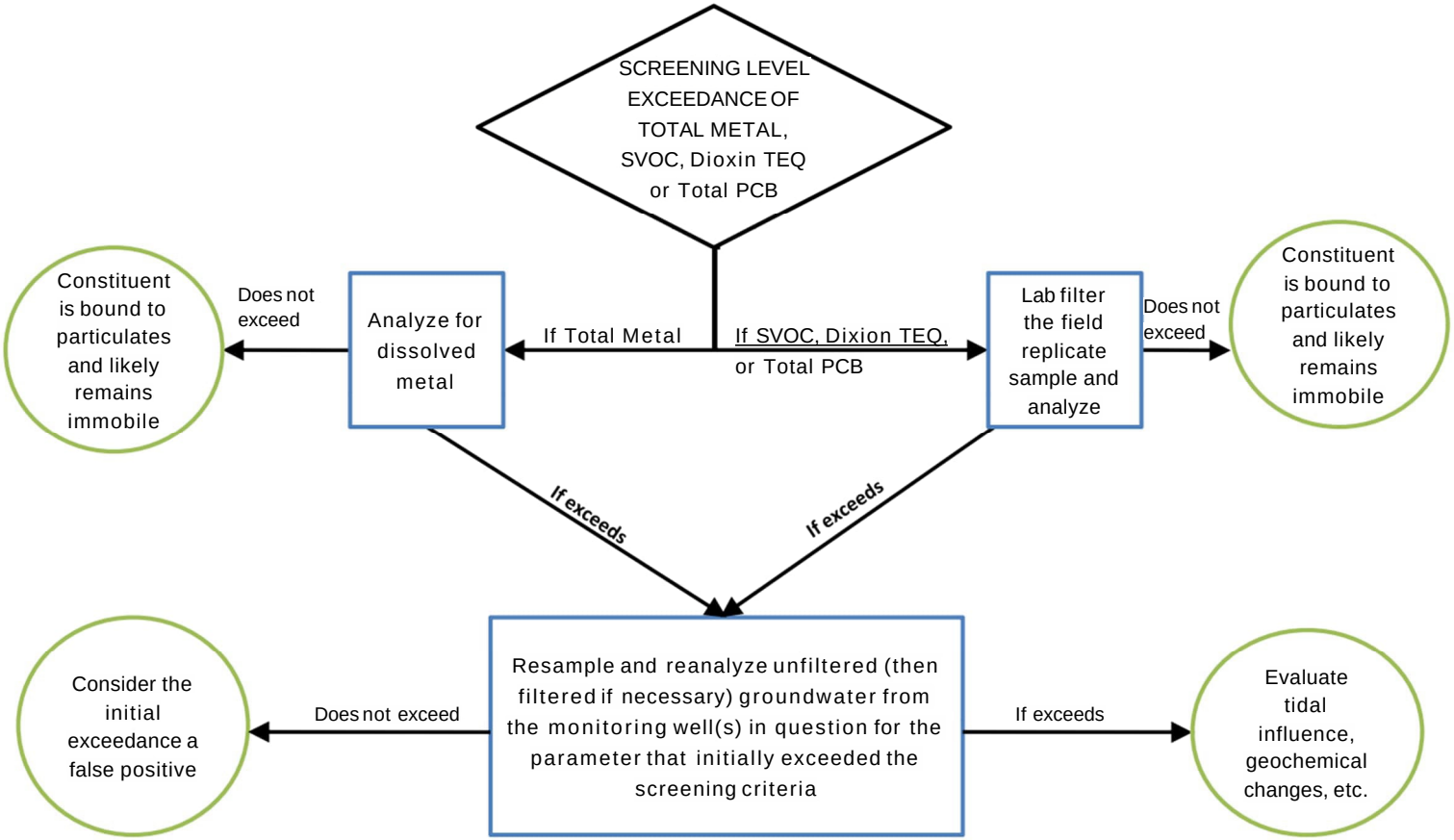
In the case of a measured SVOC or Total PCBs, or calculated Dioxin TEQ exceedance, the confirmation will consist of first filtering the replicate held in laboratory custody. The laboratory will then analyze the sample for the project list of parameters to determine whether the COC is bound to particulates, or if it is present in the dissolved form. The filtered sample results will be compared to the screening levels as described above. If the filtered-sample result also exceeds the respective screening levels, a re-sampling will be conducted to provide a second level of confirmation prior to any further action.

Results from re-sampling a specific well for confirmatory sampling (unfiltered and filtered) will be compared to the screening levels again for the particular parameter(s) in question.

- If the re-sampled result does not exceed the screening levels, then the initial result will be considered as a false positive.
- If the re-sampled result returns an exceedance from both the unfiltered and filtered sample analysis, then other physical and hydrogeological conditions will be reviewed.

Concentration changes could result from many factors, including on-site migration from an upgradient source or changing aquifer geochemistry (e.g., pH, ORP, and DO, or tidal influences). Therefore, the response to any confirmed exceedance will be determined on a case-by-case basis.

Figure 4-1. Screening Level Exceedance Action Matrix



5. Post-closure Maintenance Activities

This section describes the planned activities to maintain the integrity of the ponds' containment system (RCRA cap), the maintenance and inspection requirements of the site asphalt cap, inspection and maintenance of the stormwater swales, and the function of the monitoring and security systems.

DuPont installed a RCRA cap at each surface impoundment individually with a final cover capping system consisting of a geomembrane, drainage layer, cover soil layer, and final topsoil/vegetative cover. The geomembrane consisted of high-density polyethylene that was placed directly on the neutralized/stabilized solids. No sharp debris was present on or in the surface impoundment area that could have damaged the integrity of the geomembrane during installation. QC measures included procedures to remove such objects should they be found after grading the material. In addition, polyethylene geomembrane and treated impoundment solid material are chemically compatible.

DCT is expected to install an asphalt cap over 80% of the facility during Phase I and Phase II of construction. The asphalt inspection and maintenance requirements are separate from the original RCRA Cap installed at SWMU 6A-6D.

5.1 Inspections

The capping system surface, asphalt cap, the drainage conveyance, and other areas of the site will be inspected quarterly. The asphalt cap that was installed during Phase 1 development will be inspected on a semi-annual basis. Due to the homogenous nature of the treated solid material and the amount of cement added to each surface impoundment, very little differential settling is anticipated. Subsidence of the underlying silt and clay unit should also be minimal due to the length of time (over ten years) it has had to consolidate under the solid load. Any disturbance to the final cover (or other components of the capping system) will be repaired. The groundwater monitoring wells will be inspected during each routine sampling event (scheduled semiannually) and during the quarterly inspection of the capping system. Access to the closed surface impoundments is limited to authorized personnel, and a security system is in place (electronic surveillance system and security fencing maintained by thesite owner, DSPC.

5.2 Maintenance of the Waste Containment System (RCRA Cap), Asphalt Cap, and Surface Water Drainage Swales

A properly installed capping system, such as at the Edge Moor closed surface impoundments and asphalt cap will require minimum maintenance. The proper grade on the slopes of the capping system, coupled with an efficient drainage layer, promotes good drainage and minimizes long-term erosion. Maintaining the asphalt cover and surface-water runoff conveyances are the predominant maintenance tasks.

Post construction in Phase I, areas on the site which have not been paved, but have been graded, will be lined and clean soil placed as cover. Storm-water conveyance will be maintained during the time period from Phase I to Phase II.

Routine and as-needed maintenance operations will be conducted to ensure the function of the containment system and asphalt cap. The vegetative cover can be maintained through common horticultural practices. Plantings of fescue or rye grasses require periodic mowing to flourish. Plantings of warm and cold season grasses (similar to Cells 1, 2, and 3 of the DuPont Hay Road Landfill) are self-propagating without mowing and provide habitat for a variety of bird and mammal species.

Drainage conveyances such as culvert pipes, riprap-lined swales, or grass-lined swales also require periodic maintenance. This maintenance effort is typically more intense in the first two years after initial installation of the capping system, until the vegetation becomes established and sustained. The grading design for the four caps prevents run-on from impacting the final covers. The final cover at each impoundment is protected from significant erosion via run-off by the vegetative/top soil layer. Drainage from each capped impoundment is collected in a retention pond and then exits the DSPC property at storm-water outfalls.

Any damage (e.g., loss) of the vegetation or topsoil will be identified during the quarterly inspection and will be repaired and/or replaced when discovered. This includes any reseeding and mulching over eroded areas that may occur. Any damage that may occur due to severe storms or non-regular events will be corrected as needed. The damages and needed repair will be assessed and corrective measures implemented within a reasonable timeframe to prevent further vulnerability of the containment system.

Damage and significant cracks and breaks in the asphalt cap will be repaired and/or replaced when discovered. Asphalt repair will be conducted by removing damaged, broken, or unsound asphalt adjacent to patches, and then trimmed to straight lines exposing smooth, sound vertical edges. Patching the asphalt will be a minimum of 3 inches, or thickness of the adjacent asphalt, whichever is greater. Asphalt will be mixed across the width of the patches in equal thickness and compacted with a power roller capable of compression of 200 to 300 pounds per linear inch. Hand tampers will be used where rolling is impractical.

The DNREC Remediation Section-RCRA Corrective Action Group will be notified should DSPC discover any site damages incurred during storms or other events. Quarterly inspection reports will be included in the asphalt inspection semiannual reports and will identify and document the conditions and any repairs made to the controls if necessary.

5.3 Maintenance of the Groundwater Monitoring System

The monitoring system includes groundwater monitoring wells with protective steel covers that require little routine maintenance. The physical condition of the wells inspected during scheduled sampling events. The ability of the wells to provide valid groundwater samples will be determined during purging and water-level measurements. Wells may require redevelopment by surging, pumping, or bailing. These or other techniques to re-open well screens will be used as determined necessary by inspection of the wells. Wells that do not respond to redevelopment or become unusable will be replaced with new monitoring wells.

5.4 Maintenance of the Security System

The owner, DSPC, will be responsible for area security. After Phase 1 construction, the surface impoundments and partial site-wide remedy will be governed under the post-closure permit. Since Phase 1 will not complete the requirements of the FDRTC, the Site-wide Corrective Action portion of the permit will still be active, due to the final remedy requirements not being satisfied.

The entire facility will be surrounded by a fence (except on the Delaware River side), and plant guards control access to the facility 24 hours a day, 365 days per year based on the proposed development of the site. Staff working at the port will not require HAZWOPER training under normal working conditions. If

instances where work occurs beneath the site-wide remedy, and within Zones established in the EMHCP, then training and health and safety requirements in the EMHCP and PHSEP will be followed.

6. Reporting

Groundwater samples will be collected from monitoring wells on a semiannual basis, generally in March and September of each year. A semiannual data report will be generated following the first half of the year sampling period using the in-house environmental database. This data report will be provided electronically to the DNREC. An annual report will be prepared and submitted to the DNREC following the second half of the year sampling period and will include both hard-copy and electronic data. This report will include a detailed summary of all post-closure maintenance and monitoring activities conducted during the year, a summary of the data analyses, and any conclusions and recommendations derived from the data analysis.

Groundwater sampling and report submission, along with the semiannual asphalt cap inspection reports, will be in accordance with the schedule is summarized in Table 6-1.

Table 6-1. Groundwater Sampling and Report Submittal Schedule

Sampling Event	Sampling Schedule	Report Format	Date Due to DNREC
1st Half of Year	February to April	Electronic Data Deliverable Only	August 1
2nd Half of Year	August to October	Electronic Data Deliverable and Annual Report	March 1 of following year

7. References

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Appendix A
Groundwater Concentrations From Baseline Groundwater Compliance Limits Letter July 20, 2006

Appendix A. Groundwater Concentrations From Baseline Groundwater Compliance Limits Letter July 20, 2006

Table A-1. Groundwater Concentrations: MW-1

Sample Date	6/O5[al]		7/O5[al]		08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)														
1,2,3,4,6,7,8-HPCDD	3.48 J	—	2.58J	—	10.4 J	36.3	4.48 J	ND (3.97)	53.6	9.30 J	10.4 J	6.07 J	10.1 J	ND (3.2)
1,2,3,4,7,8-HXCDD	ND (1.68)	—	ND (1.57)	—	ND (1.13)	ND (0.682)	ND (2.1)	ND (1.48)	ND (1.25)	ND (2.35)	ND (1.31)	ND (1.38)	ND (0.311)	ND (1.85)
1,2,3,6,7,8-HXCDD	ND (1.71)	—	ND (1.51)	—	ND (1.16)	ND (1.8)	ND (2.18)	ND (1.42)	2.72 J	ND (2.5)	ND (1.42)	ND (1.46)	0.411 J	ND (1.94)
1,2,3,7,8,9-HXCDD	ND (1.7)	—	ND (1.45)	—	ND (1.13)	ND (1.89)	ND (2.02)	ND (1.37)	ND (1.21)	ND (2.35)	ND (1.33)	ND (1.37)	ND (0.53)	ND (1.91)
1,2,3,7,8-PECDD	ND (1.73)	—	ND (0.747)	—	ND (1.11)	ND (0.599)	ND (1.25)	ND (0.858)	ND (1.27)	ND (1.46)	ND (2.86)	ND (0.836)	ND (0.231)	ND (1.7)
2,3,7,8-TCDD	ND (1.14)	—	ND (0.829)	—	ND (0.79)	ND (0.437)	ND (1.01)	ND (0.788)	ND (0.817)	ND (0.728)	ND (1.86)	ND (0.432)	ND (0.264)	ND (1.74)
OCDD	136B	—	64.1	—	438	1850B	167	131	693 B	375 B	580 B	334	529 B	37.8 J
Total HPCDD	7.93	—	2.58	—	24.2	90.8	10.9	ND (8.25)	106	21.2	26.4	14.2	24.7	ND (3.2)
Total HXCDD	2.66	—	1.84	—	8.27	37.2	3.94	3.76	17.1	5.66	9.68	4.77	12.9	ND (1.9)
Total PECDD	ND (1.73)	—	ND (0.747)	—	ND (1.11)	3.93	ND (1.25)	ND (0.858)	ND (1.27)	ND (1.46)	ND (1.29)	ND (0.836)	0.723	ND (1.7)
Total TCDD	ND (1.14)	—	ND (0.829)	—	ND (0.79)	4.54	ND (1.01)	ND (0.788)	ND (0.817)	ND (0.728)	ND (1.86)	0.542	0.54 B	ND (1.74)
Furans (pg/L)														
1,2,3,4,6,7,8-HPCDF	ND (1.08)	—	ND (0.776)	—	ND (0.443)	ND (0.383)	ND (0.957)	ND (0.847)	**9.21 J**	ND (1.1)	ND (1.52)	ND (0.915)	ND (0.185)	ND (1.65)
1,2,3,4,7,8,9-HPCDF	ND (1.03)	—	ND (0.957)	—	ND (0.651)	ND (0.405)	ND (1.1)	ND (1)	ND (1.44)	ND (1.01)	ND (1.46)	ND (0.437)	ND (0.187)	ND (1.67)
1,2,3,4,7,8-HXCDF	ND (0.729)	—	ND (0.411)	—	ND (0.352)	ND (0.382)	ND (0.629)	ND (0.577)	ND (0.447)	ND (0.506)	ND (0.5)	ND (0.359)	ND (0.145)	ND (1.2)
1,2,3,6,7,8-HXCDF	ND (0.708)	—	ND (0.4)	—	ND (0.358)	ND (0.377)	ND(0.571)	ND (0.54)	ND (0.449)	ND (0.53)	ND (0.5)	ND (0.344)	ND (0.135)	ND (1.03)
1,2,3,7,8,9-HXCDF	ND (0.702)	—	ND (0.81)	—	ND (0.563)	ND (0.587)	ND (1.08)	ND (0.901)	ND (0.914)	ND (0.819)	ND (0.849)	ND (0.585)	ND (0.199)	ND (1.62)
1,2,3,7,8-PECDF	ND (3.48)	—	ND (1.24)	—	ND (1.27)	ND (0.521)	ND (1.35)	ND (1.38)	ND (1.19)	ND (1.11)	ND (1.88)	ND (0.52)	ND (0.223)	ND (1.07)
2,3,4,6,7,8-HXCDF	ND (0.483)	—	ND (0.462)	—	ND (0.369)	ND (0.423)	ND (0.637)	ND (0.566)	ND (0.538)	ND (0.547)	ND (0.534)	ND (0.38)	ND (0.142)	ND (1.28)
2,3,4,7,8-PECDF	ND (2.9)	—	ND (1.05)	—	ND (0.971)	ND (0.435)	ND (1.1)	ND (1.12)	ND (1.2)	ND (0.989)	ND (1.58)	ND (0.46)	ND (0.21)	ND (1.01)
2,3,7,8-TCDF	ND (1.4)	—	ND (1.53)	—	ND (0.532)	ND (0.308)	ND (1.01)	ND (0.883)	ND (0.755)	ND (0.673)	ND (1.31)	ND (0.45)	ND (0.279)	ND (2.1)
OCDF	ND (7.32)	—	ND (1.36)	—	ND (3.22)	3.39 B	ND (2.68)	ND (2.98)	**37.6 J**	ND (3.03)	**5.89 J**	ND (2.02)	1.22 B	ND (3.62)
Total HPCDF	ND (1.18)	—	ND (0.855)	—	ND (0.537)	ND (0.392)	ND (1.02)	ND (0.915)	**39.8**	ND (1.06)	ND (1.49)	ND (0.978)	ND (0.186)	ND (1.66)
Total HXCDF	ND (0.835)	—	ND (0.501)	—	ND (0.402)	ND (0.436)	ND (0.699)	ND (0.632)	**11.7**	ND (0.592)	ND (0.586)	ND (0.406)	ND (0.155)	ND (1.28)
Total PECDF	ND (3.17)	—	ND (1.14)	—	ND (1.11)	ND (0.476)	ND (1.22)	ND (1.24)	ND (1.23)	ND (1.05)	ND (1.73)	ND (0.489)	ND (0.216)	ND (1.04)
Total TCDF	**11.1**	—	ND (1.53)	—	ND (0.532)	ND (0.308)	ND (1.01)	ND (0.883)	ND (0.755)	ND (0.673)	ND (1.31)	ND (0.45)	ND (0.279)	ND (2.1)

Sample Date	6/05[al]		7/05[al]		08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Metals (ug/L)														
Antimony	ND (6.4)	ND (6.4)	<6.4 J	<6.4 J	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	<9.3 J	<9.3 J	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—	—
Manganese	6300	6850	15200	18200	9890	8060	6770	5470	9360	12500	17400	11800	7390	9120
Thallium	ND (10)	ND (10)	37.6 J	29.7J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND(10)	ND (10)
PCBs (pg/L)														
PCB77	ND (49)	—	**7.97 J**	——	3.05 B	2.83 B	ND (2.33)	6.59 B	ND (3.18)	ND (2.49)	ND (5.76)	**38.1**	ND (3.09)	ND (9.81)
PCB81	ND (49)	—	ND(3.01)	——	ND (1.59)	ND (1.18)	ND (1.57)	ND (3.79)	ND (3.2)	ND (2.33)	ND (5.93)	ND (3.56)	ND (3.79)	ND (9.43)
PCB105	ND (49)	—	**12.5 J**	——	ND (10.5)	ND (8.51)	ND (4.88)	ND (11.1)	ND (12.6)	ND (10.9)	ND (12.6)	**63.2**	ND (6.21)	ND (13.7)
PCB-106/118	**64.5**	—	**17.8 J**	——	ND (14.7)	ND (11.9)	ND (8.05)	15.2 J	ND (16.8)	ND (9.54)	ND (19.6)	124B	ND (5.81)	ND (11)
PCB114	ND (49)	—	ND (7.1)	——	ND (12.3)	ND (9.57)	ND (5.43)	ND (12.1)	ND (13.7)	ND (12.9)	ND (14.1)	ND (8.35)	ND (6.25)	ND (15.5)
PCB123	ND (49)	—	ND (6.68)	——	ND (13.8)	ND (11.3)	ND (7.79)	ND (9.73)	ND (18)	ND (10.2)	ND (18.9)	ND (17.4)	ND (6.46)	ND (11.7)
PCB126	ND (49)	—	ND (7.73)	——	ND (13)	ND (9.69)	ND (5.69)	ND (15.3)	ND (15.7)	ND (14.1)	ND (14.5)	ND (7.21)	ND (8.78)	ND (16.6)
PCB156	ND (49)	—	ND (1.41)	——	ND (1.86)	ND (2.68)	ND (2.5)	ND (5.19)	ND (3.19)	ND (3.04)	ND (5.79)	ND (26.5)J	ND (3.71)	ND (9.63)
PCB157	ND (49)	—	ND (1.41)	——	ND (1.94)	ND (2.88)	ND (2.63)	ND (5.57)	ND (3.25)	ND (3.1)	ND (6.42)	ND (2.83)	ND (3.65)	ND (10.6)
PCB167	ND (49)	—	ND (1.55)	——	ND (1.89)	ND (2.76)	ND (2.65)	ND (5.36)	ND (3.18)	ND (2.89)	ND (6.03)	ND (26.5)J	ND (3.38)	ND (10.4)
PCB169	ND (49)	—	4.1 B	—	3.64 B	ND (6.76)	**3.6 J**	ND (7.91)	ND (25.4)J	ND (3.73)	ND (7.1)	ND (7.32)	4.66 BJ	ND (11.6)
PCB189	ND (49)	—	ND (0.994)	——	ND (1.38)	ND (1.4)	ND (0.986)	ND (3.52)	ND (1.43)	ND (1.86)	ND (2.7)	ND (1.57)	ND (1.63)	ND (3.67)
Total Decachlorobiphenyls (Congeners)[b]	ND (49)	—	ND (50.8)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	ND (26.5)	ND (51)	ND (51.6)
Total Dichlorobiphenyls (Congeners)	ND (49)	—	ND (50.8)	——	ND (50.6)	ND (50.3)	ND (50.5)	ND (50.4)	ND (50.8)	ND (49)	ND (48.2)	ND (53)	ND (102)	ND (103)
Total Heptachlorobiphenyls (Congeners)	ND (49)	—	ND (50.8)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	ND (26.5)	ND (51)	ND (51.6)
Total Hexachlorobiphenyls (Congeners)	ND (49)	—	ND(50.8)B	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	**38.5**	4.66 B	ND (51.6)
Total Monochlorobiphenyls (Congeners)	ND (49)	—	ND (25.4)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	ND (26.5)	ND (51)	ND (51.6)
Total Nonachlorobiphenyls (Congeners)	ND (49)	—	ND (50.8)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	**222**	ND (26.5)	ND (51)	ND (51.6)
Total Octachlorobiphenyls (Congeners)	ND (49)	—	ND (50.8)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	**66.3**	ND (26.5)	ND (51)	ND (51.6)
Total PCB (Congeners)	7320 B	—	1170 B	——	6.69 B	2.83 B	3.60 B	21.8B	**32.5**	ND (49)	**289**	7630 B	4.66 B	ND (103)
Total Pentachlorobiphenyls (Congeners)	**588**	—	ND (50.8)	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	1040	ND (51)	ND (51.6)
Total Tetrachlorobiphenyls (Congeners)	**4320**	—	**791**	——	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	ND (25.4)	ND (24.5)	ND (24.1)	4670 B	ND (51)	ND (51.6)
Total Trichlorobiphenyls (Congeners)	**2410**	—	343 B	—	ND (25.3)	ND (25.2)	ND (25.2)	ND (25.2)	**27.2**	ND (24.5)	ND (24.1)	1880B	ND (51)	ND (51.6)

Sample Date	6/05 [a]		7/05 [a]		08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
SVOCs (ug/L)														
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND (1)	ND (1)
Octachlorostyrene	ND(2)J	ND(2)J	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] First column - original results, second column - duplicate sample results

[b] PCB 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration ND: Not Detected

Table A-2. Groundwater Concentrations: MW-2

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	6.88 J	4.56 J	10.2 J	16.0 J	7.73 J	12.5 J	80.5	42.3	24.9	12J	9.62 J	ND (2.6)
1,2,3,4,7,8-HXCDD	ND (2.33)	ND (1.64)	ND (2.88)	ND (0.931)	ND (3.11)	ND (1.47)	ND (1.2)	ND (2.57)	ND (1.65)	ND (1.71)	ND (0.241)	ND (1.42)
1,2,3,6,7,8-HXCDD	ND (2.34)	ND (1.48)	ND (2.77)	ND (0.882)	ND (3.21)	ND (1.45)	2.64J	ND (2.67)	ND (1.71)	ND (1.74)	ND (0.253)	ND (1.48)
1,2,3,7,8,9-HXCDD	ND (2.34)	ND (1.46)	ND (2.77)	ND (0.854)	ND (2.99)	ND (1.38)	3.13J	ND (2.54)	ND (1.63)	ND (1.67)	0.502 J	ND (1.47)
1,2,3,7,8-PECDD	ND (0.82)	ND (0.998)	ND (1.33)	ND (0.65)	ND (1.99)	ND (0.945)	ND (1.07)	ND (1.21)	ND (2.65)	ND (0.564)	ND (0.219)	ND (1.51)
OCDD	141 B	65	188	289 B	136	268	1180 B	788 B	519B	271	200 B	ND (4.08)
2,3,7,8-TCDD	ND (0.996)	ND (0.748)	ND (0.841)	ND (0.756)	ND (1.45)	ND (0.649)	ND (0.862)	ND (0.996)	ND (1.89)	ND (0.462)	ND (0.199)	ND (1.63)
Total TCDD	2.37	ND (0.748)	ND (1.53)	ND (2.74)	ND (1.45)	2.20	11.2	7.61	3.61	3.53	2.24 B	ND (1.63)
Total PECDD	1.29	ND (0.998)	ND (1.33)	2.34	ND (1.99)	2.02	15.6	9.54	ND (3.66)	1.96	2.13	ND (1.51)
Total HXCDD	4.54	2.59	6.65	14.8	4.86	8.57	60.1	41.1	20.5	10.5	10.9	ND (1.46)
Furans (pg/L)												
Total TCDF	5.53	ND (0.786)	ND (0.628)	ND (0.543)	ND (0.895)	ND (0.701)	ND (0.851)	ND (0.673)	ND (1.4)	ND (0.569)	ND (0.265)	ND (1.89)
OCDF	ND (6.26)	ND (1.95)	ND (2.51)	1.81 B	ND (3.1)	1.40 J	22.2 J	9.80 J	5.10J	ND(2.61)	1.10 B	ND (3.83)
1,2,3,4,6,7,8-HPCDF	ND (1.41)	ND (0.751)	ND (0.355)	0.961 J	ND (1.14)	<0.618	5.30J	ND (0.868)	ND (1.38)	ND (1.19)	ND (0.171)	ND (1.28)
1,2,3,4,7,8,9-HPCDF	ND (0.763)	ND (0.955)	ND (0.513)	ND (0.349)	ND (1.3)	ND (0.685)	ND (0.919)	ND (0.851)	ND (1.46)	ND (0.6)	ND (0.175)	ND (1.25)
1,2,3,4,7,8-HXCDF	ND (0.915)	ND (0.392)	ND (0.446)	ND (0.275)	ND (1.47)	ND (0.477)	ND (0.372)	ND (0.334)	ND (0.299)	ND (0.457)	ND (0.153)	ND (1.18)
1,2,3,6,7,8-HXCDF	ND (0.879)	ND (0.378)	ND (0.437)	ND (0.284)	ND (1.33)	ND (0.467)	ND (0.369)	ND (0.321)	ND (0.307)	ND (0.452)	ND (0.147)	ND (1.03)
1,2,3,7,8,9-HXCDF	ND (1.39)	ND (0.756)	ND (0.638)	ND (0.428)	ND (2.69)	ND (0.784)	ND (0.725)	ND (0.509)	ND (0.526)	ND (0.716)	ND (0.211)	ND (1.67)
1,2,3,7,8-PECDF	ND (1.55)	ND (1.18)	ND (0.789)	ND (0.85)	ND (1.54)	ND (1.35)	ND (1.09)	ND (1.62)	ND (1.99)	ND (0.702)	ND (0.174)	ND (1.13)
2,3,4,6,7,8-HXCDF	ND (0.966)	ND (0.444)	ND (0.462)	ND (0.316)	ND (1.54)	ND (0.488)	ND (0.439)	ND (0.365)	ND (0.332)	ND (0.485)	ND (0.159)	ND (1.24)
2,3,4,7,8-PECDF	ND (4.42)	ND (1.07)	ND (0.668)	ND (0.677)	ND (1.32)	ND (1.19)	ND (0.949)	ND (1.57)	ND (1.89)	ND (0.665)	ND (0.155)	ND (1.03)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
2,3,7,8-TCDF	ND (1.05)	ND (0.786)	ND (0.628)	ND (0.543)	ND (0.895)	ND (0.701)	ND (0.851)	ND (0.673)	ND (1.4)	ND (0.569)	ND (0.265)	ND (1.89)
Total HPCDD	16.9	11.7	24.9	38.7	21.4	33.8	183	110	67.2	33.1	23.5	ND (2.6)
Total HPCDF	ND (1.55)	ND (0.839)	ND (0.427)	0.961	ND (1.21)	ND (0.647)	21	ND (0.86)	ND (1.42)	ND (1.29)	ND (0.173)	ND (1.26)
Total HXCDF	ND (1.02)	ND (0.474)	ND (0.49)	0.533	ND (1.67)	ND (0.664)	7.2	ND (0.378)	ND (0.36)	ND (0.515)	ND (0.168)	ND (1.28)
Total PECDF	2.40	ND (1.12)	ND (0.726)	ND (0.759)	ND (1.43)	ND (1.27)	ND (1.02)	ND (1.59)	ND (1.94)	ND (0.684)	ND (0.164)	ND (1.08)
Metals (ug/L)												
ANTIMONY	ND (64)	47.2 J	ND (32)	ND (64)	ND (64)	ND (128)	ND (64)	ND (64)	ND (64)	ND (64)	ND (64)	ND (64)
Arsenic	ND (93)	128J	ND (233)	ND (186)	ND (93)	ND (186)	ND (93)	128J	ND (93)	112 J	96.1 J	163J
Lead	ND (84)	—	—	ND (168)	—	—	—	—	—	—	—	—
Manganese	152000	177000	179000	164000	147000	169000	149000	150000	154000	150000	148000	146000
Thallium	ND (100)	306 J	ND (250)	228J	ND (100)	ND (200)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
PCBs(pg/L)												
PCB77	ND (49.1)J	4.27 J	2.32 B	3.62 B	3.14J	ND (3.32)	ND (6.71)	ND (5.57)	6.36 J	53.3	ND (5.26)	ND (8.77)
PCB81	ND (49.1)	ND (1.9)	ND (1.31)	ND (1.56)	ND (1.66)	ND (3.02)	ND (2.69)	ND (5.16)	ND (5.15)	ND (4.3)	ND (3.73)	ND (8.34)
PCB105	ND (49.1)J	8.32 J	ND (12.8)	ND (8.11)	ND (4.04)	6.51 J	ND (10.8)	ND (12.1)	ND (18.1)	77.5	ND (8.17)	ND (14.2)
PCB-106/118	80.2	9.50 J	ND (13.9)	ND (15.9)	7.74 J	14.2 J	ND (13.7)	ND (20)	ND (18.3)	138B	ND (7.43)	ND (12.9)
PCB114	ND (49.1)	ND (6.84)	ND (13.1)	ND (9.11)	ND (4.6)	ND (9.29)	ND (11.4)	ND (13.8)	ND (19.1)	ND (6.03)	ND (7.79)	ND (14.4)
PCB123	ND (49.1)	ND (5.71)	ND (14.6)	ND (15.4)	ND (3.58)	ND (7.42)	ND (14.6)	ND (19.3)	ND (17.1)	ND (8.85)	ND (7.52)	ND (13.7)
PCB126	ND (49.1)	ND (7.72)	ND (14)	ND (10.1)	ND (4.73)	ND (11.4)	ND (13.6)	ND (15.3)	ND(19.8)	ND (5.45)	ND (8.06)	ND (16)
PCB156	ND (49.1)	ND (2.15)	ND (1.78)	ND (2.94)	ND (2.29)	ND (4.14)	ND (4.15)	ND (4.81)	ND (5.11)	ND (25.5)J	ND (3.17)	ND (9.25)
PCB157	ND (49.1)	ND (2.27)	ND(1.86)	ND (3.19)	ND (2.35)	ND (4.42)	ND (4.45)	ND (5.02)	ND (5.17)	ND (7.36)	ND (3.39)	ND (9.23)
PCB167	ND (49.1)	ND (2.42)	ND (1.66)	ND (2.98)	ND (2.33)	ND (4.26)	ND (4.16)	ND (4.85)	ND (5.21)	ND (6.99)	ND (5.21)	ND (9.46)
PCB169	ND (49.1)	4.64 B	2.93 B	ND (4.25)	3.4 J	ND (6.29)	ND (5.54)	ND (6.22)	ND (6)	ND (7.44)	ND (9.25)	ND (11.8)
PCB189	ND (49.1)	ND (1.12)	ND (24.5)	ND (1.56)	ND (1.3)	ND (1.27)	ND (1.97)	ND (2.2)	ND (4)	ND (1.32)	ND (1.36)	ND (4.71)
Total Decachlorobiphenyls (Congeners)[a]	ND (49.1)	ND (51.4)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	ND (25.5)	ND (25.8)	ND (51.6)
Total Dichlorobiphenyls (Congeners)	ND (49.1)	ND (51.4)	ND (49.1)	ND (50.5)	ND (49.9)	ND (49.8)	ND (52.8)	ND (49.7)	ND (49.5)	ND (51)	ND (51.5)	ND (104)
Total Heptachlorobiphenyls (Congeners)	ND (49.1)	ND (51.4)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	ND (25.5)	ND (25.8)	ND (51.6)
Total Hexachlorobiphenyls (Congeners)	ND (49.1)	ND (51.4)B	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	36.2	ND (25.8)	ND (51.6)
Total Monochlorobiphenyls (Congeners)	ND (49.1)	ND (25.7)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	ND (25.5)	ND (25.8)	ND (51.6)
Total Nonachlorobiphenyls (Congeners)	ND (49.1)	ND (51.4)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	ND (25.5)	ND (25.8)	ND (51.6)
Total Octachlorobiphenyls (Congeners)	ND (49.1)	ND (51.4)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	ND (25.5)	ND (25.8)	ND (51.6)
Total PCB (Congeners)	5010B	121 B	5.24 B	155B	539	20.7 B	ND (52.8)	174B	6.36	3030 B	ND (51.5)	ND (104)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Total Pentachlorobiphenyls (Congeners)	546	ND (51.4)	ND (24.5)	ND (25.2)	ND (25)	ND (24.9)	ND (26.4)	ND (24.8)	ND (24.8)	711 B	ND (25.8)	ND (51.6)
Total Tetrachlorobiphenyls (Congeners)	2920	ND (51.4)	ND (24.5)	124	424	ND (24.9)	ND (26.4)	94.1 B	ND (24.8)	1740B	ND (25.8)	ND (51.6)
Total Trichlorobiphenyls (Congeners)	1540	94 B	ND (24.5)	30.9	103	ND (24.9)	ND (26.4)	80.2 B	ND (24.8)	539 B	ND (25.8)	ND (51.6)
SVOCs (ug/L)												
Hexachlorobenzene	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)	ND (1)J	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)	ND (1)J	ND (1)
Pentachlorobenzene	ND (2)	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)	ND (2)J	ND (2)J	ND (2)J	ND (2)	ND (2)J	ND (2)
Octachlorostyrene	ND(2)J	ND(2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)	ND (2)J	ND(2)J	ND(2)J	ND (2)	ND(2)J	ND (2)

[al] PCB209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration ND: Not Detected

Table A-3. Groundwater Concentrations: MW-3

Sample Date	06/05	07/05	08/05	9/05 [al]		10/05 [al]		11/05 [bl]		12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)															
1,2,3,4,6,7,8-HPCDD	ND (5.88)	ND (1.9)	**2.02 J**	**3.16J**	**2.64 J**	**1.27J**	ND (1.68)	**3.28J**	**2.40 J**	**4.75 J**	ND (2.4)	ND (1.33)	**1.96 J**	**1.31 J**	ND (2.67)
1,2,3,4,7,8-HXCDD	ND (1.51)	ND(1.23)	ND (1.96)	ND (1.05)	ND (0.988)	ND (1.68)	<0.855	ND (1.19)	ND (1.33)	ND (1.26)	ND (1.4)	ND (1.87)	ND (1.32)	ND (0.294)	ND (2.18)
1,2,3,6,7,8-HXCDD	ND (1.4)	ND (1.26)	ND (1.93)	ND (1.1)	ND (0.943)	ND (1.68)	<0.888	ND (1.18)	ND (1.39)	ND (1.25)	ND (1.48)	ND (1.86)	ND (1.35)	ND (0.301)	ND (2.33)
1,2,3,7,8,9-HXCDD	ND (1.45)	ND (1.17)	ND (1.91)	ND (1.02)	ND (0.91)	ND (1.59)	ND (0.824)	ND (1.12)	ND (1.28)	ND (1.23)	ND (1.4)	ND (1.8)	ND (1.29)	ND (0.301)	ND (2.28)
1,2,3,7,8-PECDD	ND (0.861)	ND (0.824)	ND (0.699)	ND (0.619)	ND (0.573)	ND (1.04)	ND (1.7)	ND (0.77)	ND (0.71)	ND (0.852)	ND (0.99)	ND (2.46)	ND (0.567)	ND (0.217)	ND (1.94)
2,3,7,8-TCDD	ND (0.876)	ND (0.6)	ND (0.641)	ND (0.605)	<0.793	ND (1.01)	ND (1.08)	ND (1.13)	ND (0.584)	ND (0.656)	ND (0.893)	ND (1.23)	ND (0.483)	ND (0.211)	ND (2.05)
OCDD	69.9 B	**13.4 J**	**94.1**	154B	101 B	**37.4 J**	**24.1 J**	**153**	**76.7**	161 B	170B	50.5 J,B	**121**	56.6 B	ND (2.35)
Total HPCDD	ND (5.88)	ND (1.9)	**2.02**	**5.77**	**5.16**	**1.27**	ND (1.68)	**3.28**	**2.40**	**9.65**	ND (4.97)	ND (1.33)	**1.96**	2.98 B	ND (2.67)
Total HXCDD	ND (1.45)	ND (1.22)	ND (1.93)	**1.29**	**1.02**	ND (1.65)	ND (0.856)	**1.44**	**ND (1.33)**	**1.40**	ND (1.43)	ND (1.84)	**0.798**	**0.632**	ND (2.26)
Total PECDD	ND (0.861)	ND (0.824)	ND (0.699)	ND (0.619)	ND (0.573)	ND (1.04)	ND (1.7)	ND (0.77)	ND (0.71)	ND (0.852)	ND (0.99)	ND (2.33)	ND (0.567)	ND (0.217)	ND (1.94)
Total TCDD	**10.5**	**1.65**	**10.2**	**10.6**	**12.1**	**3.66**	**2.36**	**12.5**	**7.28**	**11.2**	**8.73**	**2.07**	**7.77**	**4.47**	ND (2.05)
Furans (pg/L)															
1,2,3,4,6,7,8-HPCDF	ND (0.988)	ND (0.665)	ND (0.534)	**1.45 J**	**0.867 J**	ND (0.999)	ND (0.799)	ND (1.15)	ND (0.557)	**1.04 J**	ND (0.615)	ND (0.932)	ND (2.2)	ND (0.402)	ND (1.93)
1,2,3,4,7,8,9-HPCDF	ND (1.29)	ND (0.808)	ND (0.797)	ND (0.47)	ND (0.251)	ND (1.14)	ND (0.868)	ND (1.22)	ND (0.628)	ND (0.679)	ND (0.608)	ND (1.09)	ND (0.666)	ND (0.18)	ND (1.98)
1,2,3,4,7,8-HXCDF	ND (0.849)	ND (0.385)	ND (0.581)	**0.5 J**	ND (0.289)	ND (0.44)	ND (0.532)	ND (0.528)	ND (0.43)	ND (0.28)	ND (0.434)	ND (0.415)	ND (0.572)	ND (0.136)	ND (1.14)
1,2,3,6,7,8-HXCDF	ND (0.792)	ND (0.371)	ND (0.544)	ND (0.279)	ND (0.288)	ND (0.387)	ND (0.513)	ND (0.497)	ND (0.418)	ND (0.283)	ND (0.434)	ND (0.425)	ND (0.564)	ND (0.12)	ND (0.994)
1,2,3,7,8,9-HXCDF	ND (1.31)	ND (0.769)	ND (0.842)	ND (0.467)	ND (0.475)	ND (0.727)	ND (0.9)	ND (0.838)	ND (0.711)	ND (0.49)	ND (0.616)	ND (0.698)	ND (0.892)	ND (0.191)	ND (1.66)
1,2,3,7,8-PECDF	ND (2.28)	ND (1.14)	ND (1.11)	ND (0.69)	ND (1.12)	ND (0.951)	ND (1.64)	ND (1.36)	ND (1.12)	ND (1.07)	ND (0.805)	ND (1.97)	ND (0.768)	ND (0.164)	ND (1.29)

Sample Date	06/05	07/05	08/05	9/05W		10/05[aI]		11/05[bl]		12/05	01/06	02/06	03/06	04/06	05/06
2,3,4,6,7,8-HXCDF	ND (0.924)	ND (0.438)	ND (0.592)	ND (0.294)	ND (0.302)	ND (0.462)	ND (0.557)	ND (0.555)	ND (0.458)	ND (0.315)	ND (0.455)	ND (0.453)	ND (0.633)	ND (0.136)	ND (1.27)
2,3,4,7,8-PECDF	ND (2.01)	ND (0.988)	ND (0.952)	ND (0.534)	ND (0.907)	ND (0.844)	ND (1.49)	ND (1.14)	ND (1)	ND (1.11)	ND (0.757)	ND (1.93)	ND (0.708)	ND (0.158)	ND (1.26)
2,3,7,8-TCDF	ND (1.39)	ND (0.853)	ND (0.75)	ND (0.439)	ND (0.432)	ND (0.673)	ND (0.839)	ND (0.806)	ND (0.705)	ND (0.802)	ND (0.56)	ND (1.46)	ND (0.671)	ND (0.228)	ND (2.38)
OCDF	ND (6.69)	ND (1.85)	ND (4.53)	4.31 B	3.66 B	ND (2.27)	ND (1.95)	**5.30J**	**2.75 J**	**5.73 J**	**11.0 J**	**4.41 J**	ND (5.21)	4.18B	ND (4.23)
Total HPCDF	ND (1.12)	ND (0.728)	ND (0.654)	**1.45**	**1.37**	ND (1.06)	ND (0.829)	ND (1.18)	ND (0.588)	**1.04**	ND (0.612)	ND (1)	ND (2.26)	0.402 B	ND (1.96)
Total HXCDF	ND (1.13)	ND (0.472)	ND (0.629)	**1.30**	ND (0.383)	ND (0.485)	ND (0.605)	ND (0.593)	ND (0.494)	**1.20**	ND (0.48)	ND (0.491)	ND (0.572)	ND (0.146)	ND (1.27)
Total PECDF	ND(2.14)	ND (1.06)	ND (1.03)	**1.83**	ND (1.01)	ND (0.895)	ND (1.57)	ND (1.25)	ND (1.06)	ND (1.08)	ND (0.781)	ND (1.95)	ND (0.738)	ND (0.161)	ND (1.28)
Total TCDF	ND (3.03)	ND (0.853)	ND (0.75)	ND (0.439)	ND (0.432)	ND (0.673)	ND (0.839)	ND (0.806)	ND (0.705)	ND (0.802)	ND (0.56)	ND (1.46)	ND (0.671)	ND (0.228)	ND (2.38)
Metals (ug/L)															
Antimony	ND (6.4)	**ND (6.4)**	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (32)	ND (6.4)	ND (64)
Arsenic	ND (9.3)	**ND (9.3)**	**ND (9.3)**	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	**17.5 J**	ND (9.3)	ND (9.3)	<46.5	ND (9.3)	ND (93)
Lead	9.3 J	—	—	ND (9.4)	ND (9.4)	—	—	—	—	—	—	—	—	—	—
Manganese	**5050**	**5440**	**5060**	**8500**	**5350**	**6070**	**5560**	**6200**	**6620**	**7590**	**6370**	**6660**	**9690**	**7650**	**8310**
Thallium	ND (50)	**ND (10)J**	**24.4**	**17.4 J**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**16.4 J**	ND (10)	ND (10)	ND (50)	ND (50)	ND (100)
PCBs (pg/L)															
PCB77	ND (49.2)	**4.89 J**	4.21 B	3.57 B	3.91 B	ND (2.82)	ND (5.34)J	9.88 B	ND (3.87)	ND (5.34)	ND (4.14)	ND (5.91)	**43.7**	ND (6.71)	ND (10.7)
PCB81	ND (49.2)	ND (2.52)	ND (1.97)	ND (1.7)	ND (1.65)	ND (2.8)	ND (1.82)	ND (3.39)	ND (3.59)	ND (5.09)	ND (3.84)	ND (5.65)	ND (8.12)	ND (2.49)	ND (10.9)
PCB105	ND (49.2)	**7.79 J**	ND (10.3)	ND (7.59)	ND (9.27)	ND (5.35)	ND (11.7)	**12.5 J**	ND (7.45)	ND (13)	ND (12.1)	ND (13.9)	**71.1**	ND (5.62)	ND (11.9)
PCB-106/118	ND (49.2)	**11.8 J**	ND (12.7)	ND (9.01)	ND (10.1)	ND (5.44)	ND (10.1)	**24.1 J**	**13.9 J**	ND (17.9)	ND (10.5)	ND (19.9)	117 B	ND (6.93)	ND (13.5)
PCB114	ND (49.2)	ND (6.02)	ND (10.9)	ND (8.68)	ND (10.1)	ND (5.61)	ND(12.2)	ND (8.68)	ND (7.76)	ND (13.3)	ND (13.3)	ND (15.8)	ND (10.4)	ND (4.88)	ND (12.4)
PCB123	ND (49.2)	ND (12.3)	ND (12.3)	ND (9.24)	ND (10.4)	ND (5.56)	ND (10.5)	ND (8.78)	ND (7.06)	ND (19.4)	ND (10.4)	ND (18.6)	ND (16.4)	ND (7.92)	ND (13.6)
PCB126	ND (49.2)	ND (7.28)	ND (12.3)	ND (9.19)	ND (11.3)	ND (6.15)	ND (12.8)	ND (11.2)	ND (10.3)	ND (17.3)	ND (14.9)	ND (16)	ND (10.4)	ND (8.13)	ND (13.5)
PCB156	ND (49.2)	ND (1.83)	ND (2.12)	ND (2.69)	ND (1.97)	ND (3.41)	ND (2.08)	ND (5.02)	ND (4.31)	ND (4.7)	ND (3.68)	ND (5.8)	ND (7)	ND (3.97)	ND (9.9)
PCB157	ND (49.2)	ND (1.9)	ND (2.28)	ND (2.76)	ND (2.1)	ND (3.41)	ND (2.21)	ND (5.32)	ND (4.76)	ND (5.06)	ND (3.88)	ND (6.19)	ND (7.02)	ND (3.96)	ND (10.4)
PCB167	ND (49.2)	ND (1.81)	ND (2.16)	ND (2.66)	ND (2.14)	ND (3.41)	ND (2.45)	ND (5.19)	ND (4.24)	ND (4.59)	ND (3.96)	ND (5.78)	ND (7.7)	ND (4.67)	ND (10.5)
PCB169	ND (49.2)	3.44 B	3.85 B	ND (3.29)	5.12B	**4.46 J**	**3.46 J**	ND (7.71)	ND (6.59)	ND (6.39)	ND (4.79)	ND (7.08)	ND (8.24)	ND (5.08)	ND (12.5)
PCB189	ND (49.2)	ND (1.11)	ND (1.6)	ND (2.07)	ND (1.49)	ND (1.74)	ND (2.17)	ND (2.7)	ND (1.81)	ND (2.61)	ND (2.05)	ND (2.87)	ND (1.74)	ND (2.07)	ND (3.83)
Total Decachlorobiphenyls (Congeners)™	**52.4**	ND (51.8)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	ND (26.2)	ND (26.3)	ND (52.5)
Total Dichlorobiphenyls (Congeners)	**85.4**	ND (51.8)	ND (49.7)	ND (51.9)	ND (49.3)	ND (51.1)	ND (52)	ND (49.4)	ND (50)	ND (52.7)	ND (50.3)	ND (50.4)	ND (52.1)	ND (52.7)	ND (105)
Total Heptachlorobiphenyls (Congeners)	ND (49.2)	ND (51.8)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	ND (26.2)	ND (26.3)	ND (52.5)
Total Hexachlorobiphenyls (Congeners)	ND (49.2)	ND (51.8)B	ND (24.9)	ND (25.9)	<24.7 B	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	**32.6**	ND (26.3)	ND (52.5)
Total Monochlorobiphenyls (Congeners)	ND (49.2)	ND (25.9)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	ND (26.2)	ND (26.3)	ND (52.5)

Sample Date	06/05	07/05	08/05	9/05W		10/05[aI]		11/05[bl]		12/05	01/06	02/06	03/06	04/06	05/06
Total Nonachlorobiphenyls (Congeners)	ND (49.2)	ND (51.8)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	ND (26.2)	ND (26.3)	ND (52.5)
Total octachlorobiphenyls (congeners)	ND (49.2)	ND (51.8)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	ND (26.2)	ND (26.3)	ND (52.5)
Total PCB (Congeners)	1690B	488 B	8.06 B	3.57 B	9.03 B	4.46 B	3.46 B	252 B	13.9B	ND (52.7)	31.8B	ND (50.4)	3300 B	ND (52.7)	ND (105)
Total Pentachlorobiphenyls (Congeners)	ND (49.2)	ND (51.8)	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	**90.4**	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	578 B	ND (26.3)	ND (52.5)
Total Tetrachlorobiphenyls (Congeners)	**944**	**347**	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	162B	ND (25)	ND (26.3)	31.8B	ND (25.2)	1940B	ND (26.3)	ND (52.5)
Total Trichlorobiphenyls (Congeners)	**563**	**118 B**	ND (24.9)	ND (25.9)	ND (24.7)	ND (25.6)	ND (26)	ND (24.7)	ND (25)	ND (26.3)	ND (25.2)	ND (25.2)	749 B	ND (26.3)	ND (52.5)
SVOCs (ug/L)															
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (10)	ND (10)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND(2)J	ND (2)J	ND (2)J	ND(2)J	ND(2)J	ND(2)J	ND(2)J	ND (20)	ND (20)	ND (4)	ND(2)J	ND(2)J	ND(2)J	ND(2)J	ND(2)J
Pentachlorobenzene	ND (2)	ND (2)J	ND (2)J	ND (2)J	ND(2)J	ND (2)J	ND(2)J	ND (20)	ND (20)	ND (4)	ND (2)J	ND(2)J	ND (2)J	ND(2)J	ND (2)J

[A] First column - original results, second column - duplicate sample results

[B] PCB 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration ND: Not Detected

Table A-4. Groundwater Concentrations: MW-4

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (1.95)	ND (1.27)	ND (0.873)	ND (0.689)	ND (3.27)	ND (3.24)	**8.12J**	**1.96 J**	ND (1.57)	ND (2.03)	**0.821 J**	ND (2.75)
1,2,3,4,7,8-HXCDD	ND (1.66)	ND(1.26)	ND (1.04)	ND (0.61)	ND (1.54)	ND(1.29)	ND (0.914)	ND (1.03)	ND (1.84)	ND (0.868)	ND (0.279)	ND (1.78)
1,2,3,6,7,8-HXCDD	ND (1.77)	ND (1.28)	ND (1.01)	ND (0.652)	ND (1.53)	ND (1.33)	ND (0.969)	ND (1.14)	ND (1.94)	ND (0.914)	ND (0.294)	ND (1.93)
1,2,3,7,8,9-HXCDD	ND (1.72)	ND (1.2)	ND (1.01)	ND (0.597)	ND (1.45)	ND (1.24)	ND (0.921)	ND (1.05)	ND (1.83)	ND (0.861)	ND (0.289)	ND (1.87)
1,2,3,7,8-PECDD	ND (0.837)	ND (0.681)	ND (0.542)	ND (0.484)	ND (0.976)	ND (0.855)	ND (0.735)	ND (0.707)	ND (2.51)	ND (0.542)	ND (0.232)	ND (2.28)
2,3,7,8-TCDD	ND (0.876)	ND (0.757)	ND (0.525)	ND (0.511)	ND (0.946)	ND (0.511)	ND (0.634)	ND (0.842)	ND (1.83)	ND (0.557)	ND (0.207)	ND (1.73)
OCDD	13.8BJ	ND (3.34)	ND (6.91)	39.9 BJ	**56.7**	**60.7**	88.8 B	131 B	13.5B	**48.5 J**	47.1 B	**8.55 J**
Total HPCDD	ND (1.95)	ND(1.27)	ND (0.873)	ND (0.689)	ND (3.27)	ND (3.24)	**16.1**	4.84	ND (1.57)	ND (2.03)	1.79B	ND (2.75)
Total HXCDD	ND (1.72)	ND (1.25)	ND (1.02)	ND (0.62)	ND (1.51)	ND (1.28)	ND (0.936)	ND (1.07)	ND (1.87)	ND (0.882)	ND (0.287)	ND (1.86)
Total PECDD	ND (0.837)	ND (0.681)	ND (0.542)	ND (0.484)	ND (0.976)	ND (0.855)	ND (0.735)	ND (0.707)	ND (1.52)	ND (0.806)	ND (0.232)	ND (2.28)
Total TCDD	ND (0.876)	ND (0.757)	ND (0.525)	ND (0.511)	ND (0.946)	ND (0.511)	ND (0.634)	ND (0.842)	ND (1.83)	ND (0.557)	ND (0.207)	ND (1.73)
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (1.88)	ND (0.711)	ND (0.448)	ND (0.219)	ND (0.706)	ND (0.706)	**2.16J**	ND (0.651)	ND (1.46)	ND (0.53)	ND (0.199)	ND (1.58)
1,2,3,4,7,8,9-HPCDF	ND (1.08)	ND (0.784)	ND (0.702)	ND (0.248)	ND (0.74)	ND (0.796)	ND (0.997)	ND (0.639)	ND (1.69)	ND (0.596)	ND (0.206)	ND (1.61)
1,2,3,4,7,8-HXCDF	ND (0.646)	ND (0.43)	ND (0.285)	ND (0.148)	ND (0.477)	ND (0.356)	ND (0.241)	ND (0.348)	ND (0.67)	ND (0.265)	ND (0.163)	ND (1.07)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
1,2,3,6,7,8-HXCDF	ND (0.614)	ND (0.409)	ND (0.254)	ND (0.146)	ND (0.413)	ND (0.34)	ND (0.248)	ND (0.35)	ND (0.686)	ND (0.259)	ND (0.149)	ND (0.953)
1,2,3,7,8,9-HXCDF	ND (0.992)	ND (0.833)	ND (0.397)	ND (0.239)	ND (0.765)	ND (0.539)	ND (0.447)	ND (0.551)	ND (1.17)	ND (0.43)	ND (0.229)	ND (1.51)
1,2,3,7,8-PECDF	ND (1.65)	ND (1.33)	ND (0.612)	ND (0.591)	ND (0.789)	ND (1.28)	ND (1.21)	ND (0.826)	ND (2.64)	ND (0.532)	ND (0.193)	ND (1.1)
2,3,4,6,7,8-HXCDF	ND (0.678)	ND (0.513)	ND (0.269)	ND (0.155)	ND (0.485)	ND (0.375)	ND (0.283)	ND (0.386)	ND (0.721)	ND (0.287)	ND (0.161)	ND (1.1)
2,3,4,7,8-PECDF	ND (1.35)	ND (1.15)	ND (0.568)	ND (0.512)	ND (0.709)	ND (1.08)	ND (1.03)	ND (0.828)	ND (2.48)	ND (0.501)	ND (0.181)	ND (1.1)
2,3,7,8-TCDF	ND (0.946)	ND (0.818)	ND (0.432)	ND (0.333)	ND (0.799)	ND (0.83)	ND (0.626)	ND (0.599)	ND (1.75)	ND (0.452)	ND (0.258)	ND (2.11)
OCDF	ND (3.78)	ND (1.41)	ND (2.75)	ND (1.04)	ND (2.45)	ND (2.95)	**6.97 J**	**10.1 J**	ND (3.21)	ND (4.73)	2.13B	ND (4.35)
Total HPCDF	ND (2.1)	ND (0.743)	ND (0.563)	ND (0.232)	ND (0.72)	ND (0.745)	**7.59**	ND (0.645)	ND (1.56)	ND (0.561)	ND (0.202)	ND (1.6)
Total HXCDF	ND (0.72)	ND (0.527)	ND (0.296)	ND (0.169)	ND (0.516)	ND (0.395)	ND (1.77)	ND (0.403)	ND (0.803)	ND (0.302)	ND (0.176)	ND (1.16)
Total PECDF	ND (1.49)	ND(1.23)	ND (0.589)	ND (0.55)	ND (0.747)	ND (1.18)	ND (1.12)	ND (0.827)	ND (2.56)	ND (0.516)	ND (0.187)	ND (1.1)
Total TCDF	ND (3.18)	ND (0.818)	ND (0.432)	ND (0.333)	ND (0.799)	ND (0.83)	ND (0.626)	ND (0.599)	ND (1.75)	ND (0.452)	ND (0.258)	ND (2.11)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)J	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND(9.3)J	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—
Manganese	1260	1290	1340	1330	1310	1360	1360	1280	1380	1310	1350	1280
Thallium	ND (10)	ND (10)J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
PCBs(pg/L)												
PCB77	ND (48.7)	6.78 J	ND (1.7)	ND (2.25)	**3.31 J**	ND (4.16)	ND (9.57)	ND (5.18)	**18.2J**	ND (25.9)J	ND (5.34)	ND (8.18)
PCB81	ND (48.7)	ND (2.17)	ND (1.57)	ND (2.16)	ND (1.81)	ND (3.83)	ND (8.63)	ND (4.86)	ND (4.01)	ND (2.61)	ND (3.19)	ND (7.74)
PCB105	ND (48.7)	**10.3 J**	ND(10.7)	ND (10.6)	ND (12)	ND (8.22)	ND (16.6)	ND (16.5)	ND (13)	ND (25.9)J	**3.61 J**	ND (12)
PCB-106/118	ND (48.7)	**12.3 J**	ND (13.5)	ND (16.9)	ND (11.1)	ND (14.5)	ND (13.2)	ND (13.7)	**32.6**	ND (25.9)J	ND (8.68)	ND (15.5)
PCB114	ND (48.7)	ND (8.27)	ND (12.1)	ND (12.3)	ND (14.1)	ND (8.22)	ND (17.5)	ND (17.3)	ND (13.5)	ND (8.49)	ND (7.15)	ND (13.7)
PCB123	ND (48.7)	ND (7.45)	ND (12.8)	ND (16.1)	ND (10.7)	ND (14.4)	ND (13.1)	ND (14.2)	ND (18.6)	ND (8.7)	ND (6.73)	ND (14.7)
PCB126	ND (48.7)	ND (9.7)	ND (12.7)	ND (13.2)	ND (13.5)	ND (10.3)	ND (22.4)	ND (19.9)	ND (14)	ND (7.79)	ND (11.4)	ND (13.4)
PCB156	ND (48.7)	ND (1.97)	ND (2.17)	ND (2.36)	ND (2.65)	ND (4.02)	ND (6.26)	ND (4.53)	ND (5.53)	ND (2.07)	ND (4.28)	ND (7.66)
PCB157	ND (48.7)	ND (2.08)	ND (2.18)	ND (2.39)	ND (2.8)	ND (4.28)	ND (6.75)	ND (4.61)	ND (5.75)	ND (2.37)	ND (4.31)	ND (7.87)
PCB167	ND (48.7)	ND (1.98)	ND (2.09)	ND (2.25)	ND (2.66)	ND (4.07)	ND (6.51)	ND (4.27)	ND (5.8)	ND (2.13)	ND (3.84)	ND (7.89)
PCB169	ND (48.7)	3.63 B	3.45 B	2.77 B	**4.53 J**	ND (5.67)	ND (10.7)	ND (5.73)	ND (6.46)	ND (25.9)J	ND (1.36)	ND (9.81)
PCB189	ND (48.7)	ND (1.51)	ND (1.54)	ND (1.41)	ND (2.59)	ND (1.57)	ND (4.09)	ND (1.72)	ND (3.06)	ND (1.45)	ND (1.68)	ND (1.63)
Total Decachlorobiphenyls (Congeners)[a]	ND (48.7)	ND (51.4)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total Dichlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)	ND (49.9)	ND (49.2)	ND (52.9)	ND (49.6)	ND (55.6)	ND (53)	**394**	ND (51.8)	ND (50.7)	ND (106)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Total Heptachlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total Hexachlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)B	ND (24.9)	ND (24.6)B	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total Monochlorobiphenyls (Congeners)	ND (48.7)	ND (25.7)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total Nonachlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total Octachlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	ND (24.2)	ND (25.9)	ND (25.4)	ND (53.2)
Total PCB (Congeners)	1770B	489 B	3.45 B	3.04 B	7.84 B	ND (49.6)	ND (55.6)	55.5 B	**6540**	365 B	**3.61**	ND (106)
Total Pentachlorobiphenyls (Congeners)	ND (48.7)	ND (51.4)	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	**305**	30.1 B	**3.61**	ND (53.2)
Total Tetrachlorobiphenyls (Congeners)	**1070**	330	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	ND (26.5)	**2750**	290 B	ND (25.4)	ND (53.2)
Total Trichlorobiphenyls (Congeners)	**668**	133B	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	55.5 B	**3100**	41.6B	ND (25.4)	ND (53.2)
SVOCs (ug/L)												
Hexachlorobenzene	ND (1)	ND(1)	ND (1)	ND (1)	ND (1)	ND(1)	ND(1)	ND (1)	ND(1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND(2)J	ND (2)	ND(2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] PCB 209
B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Table A-5. Groundwater Concentrations: MW-5

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (2.14)	ND (1.03)	ND (1.1)	**0.999 J**	ND (1.14)	ND (1.27)	**4.61 J**	ND (1.7)	ND (1.65)	ND (1.68)	**14.4 J**	ND (2.25)
1,2,3,4,7,8-HXCDD	ND (1.17)	ND (1.12)	ND (1.03)	ND (0.519)	ND (1.15)	ND (0.849)	ND (1.03)	ND (1.15)	ND (1.98)	ND (0.894)	ND (0.231)	ND (1.51)
1,2,3,6,7,8-HXCDD	ND (1.1)	ND (1.15)	ND (0.973)	ND (0.544)	ND (1.2)	ND (0.849)	ND (0.989)	ND (1.15)	ND (2.06)	ND (0.952)	ND (0.245)	ND (1.55)
1,2,3,7,8,9-HXCDD	ND (1.07)	ND (1.07)	ND (0.983)	ND (0.503)	ND (1.11)	ND (0.802)	ND (0.986)	ND (1.11)	ND (1.96)	ND (0.892)	ND (0.241)	ND (1.55)
1,2,3,7,8-PECDD	ND (0.727)	ND (0.84)	ND (0.667)	ND (0.656)	ND (0.873)	ND (0.727)	ND (0.496)	ND (0.793)	ND (3.19)	ND (0.469)	ND (0.206)	ND (1.89)
2,3,7,8-TCDD	ND (0.837)	ND (0.854)	ND (0.571)	ND (0.55)	ND (0.935)	ND (0.673)	ND (0.594)	ND (0.932)	ND (2.03)	ND (0.528)	ND (0.263)	ND (1.88)
OCDD	15B	**5.25 J**	**20.3 J**	66.8 B	79 B	**19.9 J**	50.4 B	34.3 B	71.8B	**16J**	136B	ND (3.71)
Total HPCDD	ND (2.14)	ND (1.03)	ND (1.1)	**2.21**	ND (1.14)	ND (1.27)	**8.86**	ND (1.7)	ND (1.65)	ND (1.68)	**23.8**	ND (2.25)
Total HXCDD	ND (1.11)	ND (1.11)	ND (0.993)	ND (0.522)	ND (1.15)	ND (0.833)	ND (1)	ND (1.14)	ND (2)	ND (1.6)	ND (0.239)	ND (1.54)
Total PECDD	ND (0.727)	ND (0.84)	ND (0.667)	ND (0.656)	ND (0.873)	ND (0.727)	ND (0.496)	ND (0.793)	ND (3.19)	ND (2.03)	ND (0.206)	ND (1.89)
Total TCDD	ND (0.837)	ND (0.854)	ND (0.571)	ND (0.55)	ND (0.935)	ND (0.673)	ND (0.594)	ND (0.932)	ND (2.03)	ND (0.528)	ND (0.263)	ND (1.88)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (0.995)	ND (0.75)	ND (0.392)	ND (0.329)	ND (0.706)	ND (0.601)	ND (1.09)	ND (0.686)	ND (1.77)	ND (0.545)	**1.91 J**	ND (1.1)
1,2,3,4,7,8,9-HPCDF	ND (1.16)	ND (0.942)	ND (0.575)	ND (0.367)	ND (0.769)	ND (0.665)	ND (1.21)	ND (0.655)	ND (2.01)	ND (0.63)	ND (0.224)	ND (1.16)
1,2,3,4,7,8-HXCDF	ND (0.683)	ND (0.417)	ND (0.269)	ND (0.13)	ND (0.342)	ND (0.329)	ND (0.319)	ND (0.26)	ND (0.967)	ND (0.245)	ND (0.115)	ND (1.09)
1,2,3,6,7,8-HXCDF	ND (0.637)	ND (0.397)	ND (0.258)	ND (0.13)	ND (0.305)	ND (0.321)	ND (0.332)	ND (0.246)	ND (0.972)	ND (0.223)	ND (0.105)	ND (0.939)
1,2,3,7,8,9-HXCDF	ND (1.11)	ND (0.835)	ND (0.41)	ND (0.209)	ND (0.532)	ND (0.552)	ND (0.627)	ND (0.41)	ND (1.62)	ND (0.379)	ND (0.156)	ND (1.46)
1,2,3,7,8-PECDF	ND (1.19)	ND (1.18)	ND (0.585)	ND (0.467)	ND (0.78)	ND (1.26)	ND (0.836)	ND (0.914)	ND (3.3)	ND (0.588)	ND (0.189)	ND (1.02)
2,3,4,6,7,8-HXCDF	ND (0.728)	ND (0.476)	ND (0.283)	ND (0.139)	ND (0.359)	ND (0.352)	ND (0.368)	ND (0.286)	ND (1.11)	ND (0.259)	ND (0.114)	ND (1.14)
2,3,4,7,8-PECDF	ND (1.05)	ND (1.07)	ND (0.533)	ND (0.392)	ND (0.682)	ND (1.04)	ND (0.678)	ND (0.881)	ND (3.03)	ND (0.576)	ND (0.171)	ND (1.01)
2,3,7,8-TCDF	ND (1.01)	ND (1.07)	ND (0.449)	ND (0.363)	ND (0.713)	ND (0.613)	ND (0.684)	ND (0.818)	ND (1.82)	ND (0.482)	ND (0.236)	ND (1.77)
OCDF	ND (2.08)	ND (2)	ND (1.95)	**1.33J**	ND (9.15)	**8.02 J**	**4.09 J**	ND (2.55)	**5.34 J**	ND (3.34)	11 BJ	ND (2.77)
Total HPCDF	ND (1.07)	ND (0.834)	ND (0.476)	ND (0.346)	ND (0.733)	ND (0.629)	ND (1.14)	ND (0.671)	ND (1.88)	ND (0.584)	**9.61**	ND (1.13)
Total HXCDF	ND (0.771)	ND (0.511)	ND (0.299)	ND (0.149)	ND (0.373)	ND (0.38)	**0.7**	ND (0.296)	ND (1.15)	ND (0.27)	**1.56**	ND (1.16)
Total PECDF	**4.21**	ND (1.12)	ND (0.558)	ND (0.427)	ND (0.729)	ND (1.14)	ND (0.752)	ND (0.898)	ND (3.16)	ND (0.582)	ND (0.18)	ND (1.02)
Total TCDF	**9.4**	ND (1.07)	ND (0.449)	ND (0.363)	ND (0.713)	ND (0.613)	ND (0.684)	ND (0.818)	ND (1.82)	ND (0.482)	ND (0.236)	ND (1.77)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (64)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	**14.1 J**	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (93)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—
Manganese	**9280**	**10300**	**16200**	**15000**	**15700**	**15500**	**15900**	**14400**	**17600**	**12800**	**13500**	**15500**
Thallium	ND (10)	**11.4 J**	**21.4**	**17.9 J**	**19.1 J**	ND (10)	**16.1 J**	ND (10)	ND (10)	ND (10)	ND (50)	ND (100)
PCBs(pg/L)												
PCB77	**16.5 J**	**5.92 J**	3.59 B	ND (2.12)	3.19B	ND (3.17)	ND (5.28)	ND (3.9)	ND (5.39)	ND(24.8)J	ND (4.31)	ND (15.2)
PCB81	ND (5.77)	ND (3.4)	ND (1.28)	ND (2.02)	ND (1.61)	ND (3.15)	ND (5.07)	ND (3.5)	ND (5.14)	ND (2.43)	ND (3.11)	ND (15.1)
PCB105	**36.1 J**	ND (9.64)	ND (9.5)	ND (15.9)	ND (16.4)	ND (10.3)	ND (17.2)	ND (12.3)	ND (16.4)	ND (9.87)	ND (6.52)	ND (15)
PCB-106/118	**62**	ND (16.8)	ND (14.2)	ND (10.7)	**15.1 J**	**21.3J**	ND (17.4)	ND (17.2)	ND (18)	26 B	ND (5.8)	ND (15.6)
PCB114	ND (13.6)	ND (9.86)	ND (10.4)	ND (11.7)	ND (19.7)	ND (10.9)	ND (118)	ND (13.5)	ND (18.1)	ND (11.9)	ND (4.6)	ND (17)
PCB123	ND (18.2)	ND (17.5)	ND (14.5)	ND (15.7)	ND (11)	ND (8.16)	ND (16.2)	ND (16.9)	ND (17.6)	ND (11.2)	ND (8.28)	ND (15.9)
PCB126	ND (14.4)	ND (12.3)	ND (13)	ND (13.2)	ND (17.9)	ND (13.9)	ND (23.8)	ND (16.3)	ND (18.6)	ND (9.66)	ND (6.65)	ND (18)
PCB156	ND (3.81)	ND (2.83)	ND (2.07)	ND (2.7)	ND (3.04)	ND (3.01)	ND (6.03)	ND (3.26)	ND (8.93)	ND (2.92)	ND (3.09)	ND (9.67)
PCB157	ND (3.84)	ND (2.92)	ND (2.14)	ND (2.68)	ND (3.18)	ND (3.06)	ND (6.36)	ND (3.43)	ND (9.4)	ND (3.07)	ND (3.26)	ND (10.2)
PCB167	ND (4.23)	ND (2.9)	ND (1.91)	ND (2.66)	ND (3.15)	ND (3.07)	ND (5.86)	ND (3.32)	ND (9.69)	ND (2.97)	ND (2.31)	ND (9.89)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
PCB 169	ND (4.93)	5.11 B	3.86 B	ND (6.3)	ND (4.03)	ND (4.52)	ND (9.72)	ND (4.29)	ND (10.7)	ND (3.43)	ND (3.88)	ND (13.4)
PCB189	ND (2.72)	ND (2.27)	ND (1.66)	ND (1.59)	ND (2.95)	ND (1.15)	ND (3.89)	ND (1.85)	ND (3.15)	ND (1.13)	ND (0.782)	ND (3.4)
Total Decachlorobiphenyls (Congeners)[a]	ND (51.1)	ND (51.8)	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total Dichlorobiphenyls (Congeners)	ND (51.1)	ND (51.8)	50.0 B	ND (51.6)	ND (51.4)	ND (49.1)	ND (49.6)	ND (51.3)	ND (51.2)	ND (49.7)	ND (49.8)	ND (103)
Total Heptachlorobiphenyls (Congeners)	ND (51.1)	ND (51.8)	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total Hexachlorobiphenyls (Congeners)	ND (51.1)	ND (51.8)B	ND(24.4)B	ND (25.8)	ND (25.7)	55.4 B	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total Monochlorobiphenyls (Congeners)	ND (25.6)	ND (25.9)	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total Nonachlorobiphenyls (Congeners)	ND (51.1)	ND (51.8)	ND (24.4)	ND (25.8)	29.4	ND (24.6)	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total Octachlorobiphenyls (Congeners)	ND (51.1)	ND (51.8)	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	ND (25.7)	ND (25.6)	ND (24.8)	ND (24.9)	ND (51.3)
Total PCB (Congeners)	**4470**	314B	81.9B	ND (51.6)	103B	140B	**57.4**	125B	68.0 B	805 B	ND (49.8)	ND (103)
Total Pentachlorobiphenyls (Congeners)	**346**	ND (51.8)	ND (24.4)	ND (25.8)	70.9	**84.2**	**27**	ND (25.7)	ND (25.6)	132B	ND (24.9)	ND (51.3)
Total Tetrachlorobiphenyls (Congeners)	**2750**	**203**	28 B	ND (25.8)	ND (25.7)	ND (24.6)	**30.4**	33.7 B	68.0 B	530 B	ND (24.9)	ND (51.3)
Total Trichlorobiphenyls (Congeners)	**1370**	106B	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	91.7B	ND (25.6)	143 B	ND (24.9)	ND (51.3)
SVOCs (ug/L)												
Hexachlorobenzene	ND (1)	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J	ND (1)J
Octachlorostyrene	ND (2)J	ND (5)	ND(2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J	ND (2)J
Pentachlorobenzene	ND (2)	ND (2)	ND(2)J	ND (2)J	ND(2)J	ND (2)J	ND (2)J	ND(2)J	ND(2)J	ND(2)J	ND (2)J	ND (2)J

[a] PCB 209

B+ Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration ND: Not Detected

Table A-6. Groundwater Concentrations: MW-6

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (1.74)	ND (1.2)	ND (1.98)	ND (0.85)	ND (1.23)	ND (1.28)	**7.18J**	ND (1.55)	ND (1.18)	ND (1.77)	ND (0.999)	ND (2.65)
1,2,3,4,7,8-HXCDD	ND (1.11)	ND (1.13)	ND (1.85)	ND (0.849)	ND (1.83)	ND (1.28)	<0.981	ND (1.09)	ND (1.71)	ND (0.868)	ND (0.187)	ND (1.81)
1,2,3,6,7,8-HXCDD	ND (1.12)	ND (1.09)	ND (1.86)	ND (0.881)	ND (1.68)	ND (1.28)	ND (0.992)	ND (1.14)	ND (1.82)	ND (0.907)	<0.200	ND (1.89)
1,2,3,7,8,9-HXCDD	ND (1.05)	ND (1.04)	ND (1.82)	ND (0.818)	ND (1.65)	ND (1.21)	<0.964	ND (1.08)	ND (1.71)	<0.858	<0.196	ND (1.87)
1,2,3,7,8-PECDD	ND (0.895)	ND (0.588)	ND (0.989)	ND (0.596)	<0.933	ND (0.828)	ND (0.682)	<0.965	ND (3.02)	<0.583	<0.178	ND (2.34)
2,3,7,8-TCDD	ND (0.704)	ND (0.569)	ND (0.551)	ND (0.69)	ND (1.19)	ND (0.997)	ND (1.05)	ND (1.17)	ND (1.14)	<0.538	<0.222	ND (1.96)
OCDD	10.1 B	6.43 B	ND (19.3)	13.6B	<5.64	**6.94 J**	50.3 B	4.7 B	<4.44	**8.51 J**	10.5B	ND (2.33)
Total HPCDD	ND (1.74)	ND (1.2)	ND (1.98)	ND (0.85)	ND (1.23)	ND (1.28)	**13.2**	ND (1.55)	ND (1.18)	ND (1.77)	1.94 B	ND (2.65)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Total HXCDD	ND (1.09)	ND (1.08)	ND (1.84)	ND (0.85)	ND (1.72)	ND (1.26)	<0.979	ND (1.1)	ND (1.75)	ND (0.879)	<0.194	ND (1.86)
Total PECDD	ND (0.895)	ND (0.588)	ND (0.989)	ND (0.596)	<0.933	ND (0.828)	ND (0.682)	<0.965	ND (3.02)	ND (1)	<0.178	ND (2.34)
Total TCDD	ND (0.704)	ND (0.569)	ND (0.551)	ND (1.32)	ND (1.19)	ND (0.997)	ND (1.05)	ND (1.17)	ND (1.14)	<0.538	<0.222	ND (1.96)
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (0.569)	ND (0.867)	<0.977	ND (0.613)	ND (0.585)	ND (0.686)	**1.56 J**	<0.508	<1.37	ND (0.582)	**0.306 J**	**7.00 J**
1,2,3,4,7,8,9-HPCDF	ND (0.648)	ND (1.04)	ND (1.45)	ND (0.616)	ND (0.709)	ND (0.796)	ND (0.781)	ND (0.489)	ND (1.31)	ND (0.687)	ND (0.144)	ND (2.01)
1,2,3,4,7,8-HXCDF	ND (0.4)	ND (0.351)	ND (0.709)	ND (0.358)	ND (0.397)	ND (0.464)	<0.676	ND (0.235)	ND (0.603)	ND (0.275)	ND (0.113)	ND (1.75)
1,2,3,6,7,8-HXCDF	ND (0.365)	ND (0.329)	ND (0.692)	ND (0.362)	ND (0.362)	ND (0.448)	ND (0.709)	ND (0.23)	ND (0.608)	ND (0.28)	ND (0.102)	ND (1.46)
1,2,3,7,8,9-HXCDF	ND (0.664)	ND (0.686)	ND (1.06)	ND (0.557)	ND (0.623)	ND (0.76)	ND (1.33)	ND (0.342)	ND (1.02)	ND (0.433)	ND (0.149)	ND (2.4)
1,2,3,7,8-PECDF	ND (1.18)	ND (1.1)	ND (1.35)	ND (0.876)	ND (0.99)	ND (1.2)	ND (0.936)	ND (1.25)	ND (2.63)	ND (0.599)	ND (0.173)	ND (2.53)
2,3,4,6,7,8-HXCDF	ND (0.409)	ND (0.393)	ND (0.739)	ND (0.368)	ND (0.409)	ND (0.5)	ND (0.811)	ND (0.236)	ND (0.611)	ND (0.278)	ND (0.111)	ND (1.83)
2,3,4,7,8-PECDF	ND (0.983)	ND (0.948)	ND (1.24)	ND (0.692)	ND (0.807)	ND (0.982)	ND (0.838)	ND (1.1)	ND (2.47)	ND (0.533)	ND (0.168)	ND (2.3)
2,3,7,8-TCDF	ND (1.53)	ND (0.939)	ND (0.891)	ND (0.409)	ND (0.666)	ND (0.599)	ND (0.43)	ND (0.712)	ND (1.64)	ND (0.336)	ND (0.215)	ND (2.13)
OCDF	ND (1.99)	**2.41 J**	ND (5.26)	**4.33 J**	ND (2.23)	ND (1.94)	**8.24J**	**2J**	ND (2.8)	ND (3.8)	1.92 B	ND (15.2)
Total HPCDF	ND (0.604)	ND (0.944)	ND (1.2)	ND (0.613)	ND (0.639)	ND (0.735)	5.98	ND (0.499)	ND (1.34)	ND (0.631)	**0.306**	**7**
Total HXCDF	ND (0.448)	ND (0.423)	ND (0.788)	ND (0.405)	ND (0.434)	ND (0.532)	ND (0.863)	ND (0.258)	ND (0.703)	ND (0.31)	ND (0.119)	ND (1.86)
Total PECDF	ND (2.92)	ND (1.02)	ND (1.29)	ND (0.778)	ND (0.895)	ND (1.08)	ND (0.886)	ND (1.17)	ND (2.55)	ND (0.565)	ND (0.17)	ND (2.42)
Total TCDF	**2.44**	ND (0.939)	ND (0.891)	ND (0.409)	ND (0.666)	ND (0.599)	ND (0.43)	ND (0.712)	ND (1.64)	ND (0.336)	ND (0.215)	ND (2.13)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—
Manganese	**272**	**212**	**175**	**246**	**138**	**162**	**239**	**135**	**156**	**131**	**133**	**130**
Thallium	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	13.7B	ND (10)	ND (10)	ND (10)	ND (10)
PCBs(pg/L)												
PCB77	ND (16.7)	5.56 B	13.8B	ND (3.29)	2.76 B	ND (4.27)	ND (6.02)	4.39 B	ND (4.83)	ND(24.9)J	ND (4.42)	ND (12.3)
PCB81	ND (6.2)	ND (1.3)	ND (2.17)	ND (3.08)	ND (1.32)	ND (4.1)	ND (5.65)	ND (2.28)	ND (4.75)	ND (2.78)	ND (2.9)	ND (11.9)
PCB105	**27.5 J**	11.4 B	**56.2**	ND (8.41)	ND (9.98)	ND (9.65)	ND (9.32)	ND (12.6)	ND (18.3)	ND (9.89)	ND (5.52)	ND (15.4)
PCB-106/118	**44.1 J**	16.7B	**132**	ND (18.6)	ND (9.04)	ND (13.8)	19.5 J	ND (13.6)	ND (19.3)	ND(24.9)J	ND (8.98)	ND (14.1)
PCB114	ND (14.1)	ND (5.14)	ND (5.14)	ND (9.47)	ND (13)	ND (9.91)	ND (10.3)	ND (14)	ND (20.6)	ND (13.1)	ND (7.18)	ND (18.3)
PCB123	ND (20)	ND (6.94)	ND (6.01)	ND (17.8)	ND (8.56)	ND (12)	ND (11.9)	ND (13.4)	ND (18.4)	ND (12.5)	ND (8.9)	ND (14.3)
PCB126	ND (15.6)	ND (5.16)	ND (5.87)	ND (9.84)	ND (11.7)	ND (12.4)	ND (12.3)	ND (15.9)	ND(19.8)	ND (10.5)	ND (9.97)	ND (20)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
PCB156	ND (4.11)	ND (1.6)	**14J**	ND (2.09)	ND (2.22)	ND (3.33)	ND (5.14)	ND (2.57)	ND (7.93)	ND(24.9)J	ND (3.69)	ND (11.7)
PCB157	ND (4.25)	ND (1.75)	**5.52 J**	ND (2.18)	ND (2.26)	ND (3.55)	ND (5.88)	ND (2.65)	ND (8.51)	ND (2.24)	ND (4.61)	ND (12)
PCB167	ND (4.22)	ND (1.65)	**6.83 J**	ND (2.11)	ND (2.11)	ND (3.43)	ND (5.5)	ND (2.66)	ND (8.31)	ND (2.13)	ND (4.59)	ND (11.6)
PCB169	ND (4.99)	3.35 B	4.88 B	ND (3.61)	4.44 B	4.28 B	ND (7.55)	**3.39 J**	ND (9.36)	ND(24.9)J	ND (10.4)	ND (15.3)
PCB189	ND (2.22)	ND (1.04)	ND (1.62)	ND (1.86)	ND (2.09)	ND (1.63)	ND (3.54)	ND (1.24)	ND (2.24)	ND (1)	ND(1.05)	ND (4.23)
Total Decachlorobiphenyls (Congeners)[a]	ND (50)	ND (48.6)	ND (25.3)	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
Total Dichlorobiphenyls (Congeners)	ND (50)	ND (48.6)	637 B	ND (51)	ND (51.8)	ND (49.1)	ND (52.7)	ND (49.9)	ND (48.7)	ND (49.8)	ND (50.4)	ND (102)
Total Heptachlorobiphenyls (Congeners)	ND (50)	ND (48.6)	**188**	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	**51.3**	ND (25.2)	ND (51.1)
Total Hexachlorobiphenyls (Congeners)	ND (50)	ND(48.6)B	313B	ND (25.5)	ND (25.9)	ND(24.6)B	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
Total Monochlorobiphenyls (Congeners)	ND (25)	ND (24.3)	55.3 B	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
Total Nonachlorobiphenyls (Congeners)	ND (50)	ND (48.6)	ND (25.3)	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	80.8
Total Octachlorobiphenyls (Congeners)	ND (50)	ND (48.6)	**101**	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
Total PCB (Congeners)	**2920**	389 B	3290 B	ND (51)	7.19B	4.28 B	**101**	7.77 B	ND (48.7)	230 B	ND (50.4)	80.8 B
Total Pentachlorobiphenyls (Congeners)	**264**	54.5 B	**602**	ND (25.5)	ND (25.9)	ND (24.6)	ND (26.4)	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
Total Tetrachlorobiphenyls (Congeners)	**1800**	273 B	762 B	ND (25.5)	ND (25.9)	ND (24.6)	**54.3**	ND(25)B	ND (24.3)	157B	ND (25.2)	ND (51.1)
Total Trichlorobiphenyls (Congeners)	**859**	57.9 B	**636**	ND (25.5)	ND (25.9)	ND (24.6)	**27.6**	ND (25)	ND (24.3)	ND (24.9)	ND (25.2)	ND (51.1)
SVOCs(ug/L)												
Hexachlorobenzene	ND (1)	ND (1)R	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)R	ND (1)	ND (1)	ND (1)	ND (1)	ND (2)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND(2)J	ND (5)R	ND (2)	ND (2)	ND (2)	ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)R	ND (2)	ND (2)	ND (2)	ND (2)	ND (4)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] PCB 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration R: Rejected Data
ND = Not Detected

Table A-7. Groundwater Concentrations: MW-7

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (1.35)	ND (1.28)	ND (2.04)	ND (0.481)	ND (1.82)	ND (0.676)	ND (1.25)	ND (1.31)	**1.76J**	ND (1.9)	ND (0.22)	ND (1.88)
1,2,3,4,7,8-HXCDD	ND (1.46)	ND (1.17)	ND (1.44)	ND (0.858)	ND (1.31)	ND (0.867)	ND (1)	ND (1.15)	ND (1.81)	ND (0.666)	ND (0.235)	ND (2)
1,2,3,6,7,8-HXCDD	ND (1.5)	ND (1.19)	ND (1.47)	ND (0.907)	ND (1.44)	ND (0.89)	ND (1.06)	ND (1.28)	ND (2)	ND (0.698)	ND (0.251)	ND (2.06)
1,2,3,7,8,9-HXCDD	ND (1.4)	ND (1.12)	ND (1.43)	ND (0.835)	ND (1.3)	ND (0.83)	ND (1.01)	ND (1.18)	ND (1.85)	ND (0.659)	ND (0.245)	ND (2.05)
1,2,3,7,8-PECDD	ND (0.646)	ND (0.655)	ND (0.648)	ND (0.738)	ND (0.688)	ND (0.973)	ND (0.689)	ND (1.1)	ND (2.97)	ND (0.425)	ND (0.208)	ND (1.45)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
2,3,7,8-TCDD	ND (0.648)	ND (0.876)	ND (0.567)	ND (0.712)	ND (0.835)	ND (0.737)	ND (0.662)	ND (1.12)	ND (1.98)	ND (0.574)	ND (0.201)	ND (1.78)
OCDD	9.97 B	ND (2.75)	ND (10.6)	4.45 B	ND (7.44)	ND (3.53)	ND (7.47)	21.9B	17.1 B	**9.77 J**	7.88 B	**4.12 J**
Total HPCDD	ND (1.35)	ND (1.28)	ND (2.04)	ND (0.481)	ND (1.6)	ND (0.676)	ND (1.25)	ND (1.31)	1.76	ND (1.9)	0.546 B	ND (1.88)
Total HXCDD	ND (1.46)	ND (1.16)	ND (1.45)	ND (0.867)	ND (1.35)	ND (0.862)	ND (1.2)	ND(1.02)	ND (1.89)	ND (0.675)	ND (0.244)	ND (2.04)
Total PECDD	ND (0.646)	ND (0.655)	ND (0.648)	ND (0.738)	ND (0.688)	ND (0.973)	ND (0.689)	ND (1.1)	ND (2.97)	ND (0.851)	ND (0.208)	ND (1.45)
Total TCDD	ND (0.648)	ND (0.876)	ND (0.567)	ND (0.712)	ND (0.835)	ND (0.737)	ND (0.662)	ND (1.12)	ND (1.98)	ND (0.574)	ND (0.201)	ND (1.78)
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (0.661)	ND (0.671)	ND (1.04)	ND (0.564)	ND (0.852)	ND (0.452)	ND (0.522)	ND (0.677)	ND (1.33)	ND (0.779)	ND (0.259)	ND (1.37)
1,2,3,4,7,8,9-HPCDF	ND (0.737)	ND (0.797)	ND (1.53)	ND (0.575)	ND (0.983)	ND (0.482)	ND (0.604)	ND (0.683)	ND (1.53)	ND (0.437)	ND (0.121)	ND (1.38)
1,2,3,4,7,8-HXCDF	ND (0.405)	ND (0.433)	ND (0.502)	ND (0.28)	ND (0.322)	ND (0.33)	ND (0.309)	ND (0.344)	ND (0.551)	ND (0.227)	ND (0.112)	ND (0.955)
1,2,3,6,7,8-HXCDF	ND (0.402)	ND (0.413)	ND (0.478)	ND (0.292)	ND (0.296)	ND (0.338)	ND (0.313)	ND (0.375)	ND (0.605)	ND (0.211)	ND (0.109)	ND (0.849)
1,2,3,7,8,9-HXCDF	ND (0.724)	ND (0.852)	ND (0.756)	ND (0.44)	ND (0.519)	ND (0.554)	ND (0.583)	ND (0.541)	ND (1.05)	ND (0.345)	ND (0.143)	ND (1.47)
1,2,3,7,8-PECDF	ND (1.12)	ND (1.2)	ND (0.795)	ND (0.699)	ND (1.02)	ND (1.24)	ND(1.23)	ND (1.15)	ND (1.66)	ND (0.711)	ND (0.164)	ND (1.15)
2,3,4,6,7,8-HXCDF	ND (0.442)	ND (0.485)	ND (0.523)	ND (0.299)	ND (0.344)	ND (0.355)	ND (0.346)	ND (0.397)	ND (0.624)	ND (0.235)	ND (0.12)	ND (1.06)
2,3,4,7,8-PECDF	**1.21 J**	ND (1.05)	ND (0.665)	ND (0.594)	ND (0.842)	ND (1.04)	ND (1.12)	ND (1.06)	ND (1.53)	ND (0.661)	ND (0.159)	ND (1.08)
2,3,7,8-TCDF	ND (0.938)	ND (0.931)	ND (0.829)	ND (0.4)	ND (0.68)	ND (1.18)	ND (1.15)	ND (0.848)	ND (1.49)	ND (0.426)	ND (0.19)	ND (1.62)
OCDF	ND (2)	ND (1.45)	ND (4.25)	ND (1.76)	ND (3.11)	ND (4.51)	**4.19J**	**15.1 J**	ND (4.86)	ND (2.99)	1.58B	ND (3.32)
Total HPCDF	ND (0.694)	ND (0.726)	ND (1.26)	ND (0.568)	ND (0.909)	ND (0.465)	ND (0.559)	ND (0.68)	ND (1.42)	ND (0.811)	**0.259**	ND (1.38)
Total HXCDF	ND (0.48)	ND (0.525)	ND (0.554)	ND (0.323)	ND (0.358)	ND (0.387)	ND (0.379)	ND (0.41)	ND (0.697)	ND (0.249)	ND (0.121)	ND (1.08)
Total PECDF	**6.93**	ND (1.12)	ND (0.727)	ND (0.644)	ND (0.927)	ND (1.14)	ND (1.18)	ND (1.1)	ND (0.742)	ND (0.685)	ND (0.162)	ND (1.12)
Total TCDF	**13.0**	ND (0.931)	ND (0.829)	ND (0.4)	ND (0.68)	1.45 B	ND (1.15)	ND (0.848)	ND (1.49)	ND (0.426)	**0.311**	ND (1.62)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—
Manganese	**115**	**109**	**107**	**123**	**109**	**111**	**120**	**130**	**110**	**93**	**98.5**	**92.3**
Thallium	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	14.3 B	ND (10)	ND (10)	ND (10)	ND (10)
PCBs(pg/L)												
PCB77	ND (22.2)	8.9 B	ND (2.38)	3.17B	ND (3.22)	10.6B	ND (6.48)	12.5B	ND (6.37)	ND (24.2)J	8.60 BJ	ND (11.4)
PCB81	ND (10)	ND (1.8)	ND (1.14)	ND (1.57)	ND (1.41)	ND (3.97)	ND (5.96)	ND (8.21)	ND (6.38)	ND (2.24)	ND (6.37)	**ND (11.1)**
PCB105	**56.8**	15B	ND (8.54)	ND (7.29)	ND (11.2)	41.6 B	ND (11.4)	**16J**	ND (17.3)	ND (9.04)	**8.60 J**	ND (12.7)
PCB-106/118	**90**	23.8 B	ND (10)	ND (7.47)	ND (14.9)	65 B	ND (12.8)	**31**	ND (21.1)	ND (13.5)	**12.7 J**	ND (13.9)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
PCB114	ND (12.2)	ND (7)	ND (8.72)	ND (7.88)	ND (14.3)	ND (8.26)	ND (12.2)	ND (13.6)	ND (18.7)	ND (10.6)	ND (7.95)	ND (14)
PCB123	ND (22.6)	ND (7.44)	ND (10.8)	ND (7.61)	ND (14)	ND (9.14)	ND (14.3)	ND (11)	ND (20.3)	ND (15.4)	ND (11.4)	ND (14.7)
PCB126	ND (12.6)	ND (7.35)	ND (10.2)	ND (9.02)	ND (12.7)	ND (10.8)	ND (14.7)	ND (15.3)	ND (19.4)	ND (9.27)	**6.78 J**	ND (16.3)
PCB156	ND (6.45)	ND (1.97)	ND (2.25)	ND (1.64)	ND (2.38)	ND (5.05)	ND (5.26)	ND (12.9)	ND (6.67)	ND (2.31)	**5.83 J**	ND (13.9)
PCB157	ND (6.25)	ND (2.14)	ND (2.21)	ND (1.65)	ND (2.47)	ND (5.23)	ND (5.46)	ND (7.61)	ND (7.08)	ND (2.56)	**4.11 J**	ND (14.7)
PCB167	ND (6.17)	ND (2.13)	ND (2.21)	ND (1.61)	ND (2.48)	ND (5.18)	ND (5.12)	**6.86 J**	ND (6.78)	ND (2.52)	**3.46 J**	ND(14.3)
PCB169	ND (7.16)	4.16 B	3B	ND (1.97)	ND (5.37)	ND (7.85)	ND (7.08)	ND (9.44)	ND (7.99)	ND (6.32)	ND (9.48)	ND (17.4)
PCB189	ND (2.46)	ND (0.763)	ND (1.04)	ND(1.21)	ND (2.8)	ND (3.29)	ND(1.26)	ND (2.85)	ND (3.21)	ND (1.26)	**5.17J**	ND (2.56)
Total Decachlorobiphenyls (Congeners)[a]	ND (49.5)	ND (47.9)	ND (24.7)	ND (25.7)	ND (26.8)	ND (25.8)	ND (26.3)	ND (25.7)	ND (24.9)	ND (25.2)	ND (26.2)	ND (52.6)
Total Dichlorobiphenyls (Congeners)	ND (49.5)	ND (47.9)	51.1 B	ND (51.3)	ND (53.5)	ND (51.6)	ND (52.6)	ND (51.5)	ND (49.7)	ND (50.5)	ND (52.3)	ND (105)
Total Heptachlorobiphenyls (Congeners)	ND (49.5)	ND (47.9)	ND (24.7)	ND (25.7)	ND (26.8)	ND (25.8)	ND (26.3)	ND (25.7)	ND (24.9)	ND (25.2)	**5.17**	ND (52.6)
Total Hexachlorobiphenyls (Congeners)	ND (49.5)	ND(47.9)B	ND(24.7)B	ND (25.7)	ND (26.8)	ND (25.8)	ND (26.3)	**138**	ND (24.9)	ND (25.2)	13.4B	ND (52.6)
Total Monochlorobiphenyls (Congeners)	ND (24.8)	ND (23.9)	ND (24.7)	ND (25.7)	ND (26.8)	ND (25.8)	ND (26.3)	ND (25.7)	ND (24.9)	ND (25.2)	ND (26.2)	ND (52.6)
Total Nonachlorobiphenyls (Congeners)	ND (49.5)	ND (47.9)	ND (24.7)	ND (25.7)	33.4	ND (25.8)	ND (26.3)	ND (25.7)	ND (24.9)	ND (25.2)	ND (26.2)	ND (52.6)
Total Octachlorobiphenyls (Congeners)	ND (49.5)	ND (47.9)	ND (24.7)	ND (25.7)	ND (26.8)	ND (25.8)	ND (26.3)	ND (25.7)	ND (24.9)	ND (25.2)	ND (26.2)	ND (52.6)
Total PCB (Congeners)	**6630**	1370B	54.1 B	3.17B	33.4 B	1910 B	ND (52.6)	469 B	54.3 B	288 B	347 B	ND (105)
Total Pentachlorobiphenyls (Congeners)	**730**	155B	ND (24.7)	ND (25.7)	ND (26.8)	545 B	ND (26.3)	**47**	ND (24.9)	ND (25.2)	**28.1**	ND (52.6)
Total Tetrachlorobiphenyls (Congeners)	**4030**	878 B	ND (24.7)	ND(25.7)B	ND (26.8)	1080B	ND (26.3)	201 B	54.3 B	254 B	126B	ND (52.6)
Total Trichlorobiphenyls (Congeners)	**1860**	329 B	ND (24.7)	ND (25.7)	ND (26.8)	286 B	ND (26.3)	82.4 B	ND (24.9)	34.2 B	**175**	ND (52.6)
SVOCs (ug/L)												
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND(2)J	ND (5)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] PCB 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Table A-8. Groundwater Concentrations: MW-8

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (2.28)	ND (1.2)	ND (1.87)	ND (1.11)	ND (1.62)	ND (0.79)	**2.76J**	ND (1.29)	**3.95 J**	ND (1.97)	0.406 B	ND (2.5)
1,2,3,4,7,8-HXCDD	ND (1.14)	ND (1.3)	ND (1.62)	ND (0.753)	ND (1.33)	ND (0.948)	ND (0.82)	ND(1.21)	ND (2)	ND (0.913)	ND (0.278)	ND (1.73)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
1,2,3,6,7,8-HXCDD	ND (1.07)	ND (1.41)	ND (1.63)	ND (0.743)	ND (1.42)	ND (0.961)	ND (0.8)	ND (1.27)	ND (1.99)	ND (0.934)	ND (0.292)	ND (1.8)
1,2,3,7,8,9-HXCDD	ND (1.04)	ND (1.28)	ND (1.6)	ND (0.706)	ND (1.3)	ND (0.902)	ND (0.789)	ND (1.2)	ND (1.92)	ND (0.893)	ND (0.288)	ND (1.78)
1,2,3,7,8-PECDD	ND (0.714)	ND (0.623)	ND (0.871)	ND (0.662)	ND (0.868)	ND (0.569)	ND (0.831)	ND (1.09)	ND (2.84)	ND (0.494)	ND (0.229)	ND (1.82)
2,3,7,8-TCDD	ND (0.666)	ND (0.554)	ND (0.622)	ND (0.522)	ND (0.959)	ND (0.766)	ND (0.789)	ND (0.809)	ND (1.55)	ND (0.449)	ND (0.195)	ND (1.45)
OCDD	6.57 B	ND (2.35)	ND (6.19)	5.83 B	ND (5.55)	ND (2.07)	20.2 B	7.23 B	48.3 BJ	**6.36 J**	**4.45 B**	**6.61 J**
Total HPCDD	ND (2.28)	ND (1.2)	ND (1.87)	ND (1.11)	ND (1.62)	ND (0.79)	**5.36**	ND (1.29)	**8.12**	ND (1.97)	0.835 B	ND (2.5)
Total HXCDD	ND (1.08)	ND (1.33)	ND (1.62)	ND (0.733)	ND (1.35)	ND (0.937)	ND (0.802)	ND (1.22)	ND (1.96)	ND (0.915)	ND (0.286)	ND (1.77)
Total PECDD	ND (0.714)	ND (0.623)	ND(0.871)	ND (0.662)	ND (0.868)	ND (0.569)	ND (0.831)	ND (1.09)	ND (2.3)	ND (0.782)	ND (0.229)	ND (1.82)
Total TCDD	**2.24**	ND (1.9)	**3.25**	**15**	**3.14**	ND (1.6)	**5.88**	**2.01**	**72.4**	**5.2**	**0.512**	ND (1.45)
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (0.654)	ND (0.752)	ND (0.612)	ND (0.445)	ND (0.89)	ND (0.701)	ND (0.996)	ND (0.86)	**4.74 J**	ND (0.562)	**0.439 J**	ND (1.47)
1,2,3,4,7,8,9-HPCDF	ND (0.815)	ND (0.879)	ND (0.85)	ND (0.502)	ND (0.939)	ND (0.778)	ND (0.574)	ND (0.824)	ND (1.22)	ND (0.671)	ND (0.182)	ND (1.33)
1,2,3,4,7,8-HXCDF	ND (0.291)	ND (0.379)	ND (0.331)	ND (0.297)	ND (0.335)	ND (0.353)	ND (0.569)	ND (0.3)	ND (1.34)	ND (0.285)	ND (0.121)	ND (1.08)
1,2,3,6,7,8-HXCDF	ND (0.267)	ND (0.369)	ND (0.308)	ND (0.308)	ND (0.316)	ND (0.331)	ND (0.598)	ND (0.315)	ND (1.26)	ND (0.267)	ND (0.108)	ND (0.939)
1,2,3,7,8,9-HXCDF	ND (0.53)	ND (0.701)	ND (0.492)	ND (0.539)	ND (0.578)	ND (0.538)	ND (1.12)	ND (0.493)	ND (2.11)	ND (0.442)	ND (0.176)	ND (1.5)
1,2,3,7,8-PECDF	ND (1.06)	ND (0.963)	ND (0.607)	ND (0.783)	ND (1.03)	ND (2.05)	ND (1.2)	ND (1.01)	ND (3.38)	ND (0.592)	ND (0.163)	ND (1.17)
2,3,4,6,7,8-HXCDF	ND (0.331)	ND (0.435)	ND (0.35)	ND (0.325)	ND (0.342)	ND (0.344)	ND (0.676)	ND (0.335)	ND (1.46)	ND (0.29)	ND (0.125)	ND (1.13)
2,3,4,7,8-PECDF	ND (0.912)	ND (0.812)	ND (0.526)	ND (0.642)	ND (0.84)	ND (1.63)	ND (1.08)	ND (0.893)	ND (3.29)	ND (0.526)	ND (0.153)	ND (1.12)
2,3,7,8-TCDF	ND (1.19)	ND (0.768)	ND (0.732)	ND (0.356)	ND (0.928)	ND (1.63)	ND (0.711)	ND (0.767)	ND (1.77)	ND (0.402)	ND (0.248)	ND (2.07)
OCDF	ND (2.37)	ND (1.56)	ND (4.48)	**1.89 J**	ND (2.49)	ND (2.93)	**12.8J**	**9.46 J**	**102**	**4.29 J**	5.36 B	ND (5.18)
Total HPCDF	ND (0.725)	ND (0.807)	ND (0.721)	ND (0.47)	ND (0.91)	ND (0.734)	ND (3.04)	ND (0.842)	**4.74**	ND (0.612)	**0.439**	ND (1.4)
Total HXCDF	ND (0.343)	ND (0.456)	ND (0.364)	ND (0.358)	ND (0.379)	ND (0.383)	ND (0.724)	ND (0.355)	ND (1.53)	ND (0.313)	ND (0.132)	ND (1.16)
Total PECDF	ND (0.981)	ND (0.884)	ND (0.565)	ND (0.709)	ND (0.93)	ND (1.83)	ND (1.14)	ND (0.949)	ND (3.33)	ND (0.559)	ND (0.158)	ND (1.14)
Total TCDF	ND (1.19)	ND (0.768)	ND (0.732)	ND (0.356)	ND (0.928)	ND (1.63)	ND (0.711)	ND (0.767)	ND (1.77)	ND (0.402)	ND (0.248)	ND (2.07)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—
Manganese	**201**	**162**	**162**	**183**	**162**	**149**	**156**	**163**	**236**	**148**	**146**	**141**
Thallium	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05	01/06	02/06	03/06	04/06	05/06
PCBs(pg/L)												
PCB 77	ND (6.87)	4.79 B	2.3 B	2.93 B	ND (3.06)	6.65 B	ND (6)	6.32 B	**9.65 J**	ND (5.73)	5.41 BJ	ND (11.5)
PCB 81	ND (6.6)	ND (1.32)	ND (1.11)	ND (1.37)	ND (3.11)	ND (2.41)	ND (5.86)	ND (3.58)	ND (3)	ND (3.8)	ND (3.08)	ND (11.8)
PCB 105	ND (12.1)	6.83 B	ND (9.37)	ND (12.4)	ND (11.8)	26.3 B	ND (12.6)	ND (10.1)	ND (15.3)	ND (8.47)	ND (5.75)	ND (14.5)
PCB-106/118	ND (40.9)	10.7B	ND (9.99)	ND (11.8)	ND (14.4)	38.5 B	ND (11.4)	ND (12.8)	**44.5**	ND (10.5)	**9.39 J**	ND (21.5)
PCB 114	ND (13.3)	ND (4.29)	ND (9.53)	ND (13.8)	ND (13.5)	ND (6.86)	ND (14)	ND (11.2)	ND (17)	ND (9.78)	ND (5.99)	ND (16.6)
PCB 123	ND (42.5)	ND (6.95)	ND (9.96)	ND (12.4)	ND (15.4)	ND (8.06)	ND (11.8)	ND (12.8)	ND (21.8)	ND (11.4)	ND (4.09)	ND (21)
PCB 126	ND (14.1)	ND (4.52)	ND (11.3)	ND (15.5)	ND (12.4)	ND (9.05)	ND (16.8)	ND (13.3)	ND (17.5)	ND (8.84)	ND (5.97)	ND (16.6)
PCB 156	ND (6.01)	ND (1.95)	ND (2.73)	ND (2.74)	ND (2.99)	ND (4.17)	ND (5.56)	ND (5.32)	ND (6.8)	ND (2.28)	ND (3.26)	ND (12.3)
PCB 157	ND (5.92)	ND (2.1)	ND (2.91)	ND (2.8)	ND (3.19)	ND (4.35)	ND (5.86)	ND (5.53)	ND (7.21)	ND (2.49)	ND (4.63)	ND (12.4)
PCB 167	ND (5.92)	ND (2.03)	ND (2.6)	ND (2.5)	ND (3.45)	ND (4.29)	ND (5.72)	ND (5.22)	ND (7.1)	ND (2.51)	ND (3.51)	ND (12.7)
PCB 169	ND (7.62)	4.18 B	ND (2.59)	ND (3.29)	ND (3.56)	ND (6.26)	ND (8.62)	ND (7.33)	ND (7.91)	ND (2.66)	5.77 BJ	ND (16.8)
PCB 189	ND (2.1)	ND (0.906)	ND (1.56)	ND (1.93)	ND (2.07)	ND (3.02)	ND (1.58)	ND (2.41)	ND (2.9)	ND (1.24)	ND (2.08)	ND (4)
Total Decachlorobiphenyls (Congeners)[a]	**56.9**	**230**	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	**42.5**	ND (25.5)	ND (25.6)	ND (53.4)
Total Dichlorobiphenyls (Congeners)	ND (51.2)	ND (48.2)	ND (49.2)	ND (51.2)	ND (50.3)	ND (50)	ND (53)	ND (49.1)	ND (48.3)	ND (51)	ND (51.1)	ND (107)
Total Heptachlorobiphenyls (Congeners)	ND (51.2)	ND (48.2)	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	ND (24.2)	ND (25.5)	ND (25.6)	ND (53.4)
Total Hexachlorobiphenyls (Congeners)	ND (51.2)	ND(48.2)B	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	**28.3**	ND (25.5)	5.77 B	ND (53.4)
Total Monochlorobiphenyls (Congeners)	ND (25.6)	ND (24.1)	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	ND (24.2)	ND (25.5)	ND (25.6)	ND (53.4)
Total Nonachlorobiphenyls (Congeners)	ND (51.2)	ND (48.2)	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	ND (24.2)	ND (25.5)	ND (25.6)	ND (53.4)
Total Octachlorobiphenyls (Congeners)	ND (51.2)	ND (48.2)	ND (24.6)	ND (25.6)	ND (25.1)	ND (25)	ND (26.5)	ND (24.5)	ND (24.2)	ND (25.5)	ND (25.6)	ND (53.4)
Total PCB (Congeners)	**583**	539 B	2.30 B	2.93 B	ND (50.3)	949 B	**53**	6.32 B	**947**	306 B	20.6 B	ND (107)
Total Pentachlorobiphenyls (Congeners)	ND (51.2)	ND (48.2)	ND (24.6)	ND (25.6)	ND (25.1)	294 B	ND (26.5)	ND (24.5)	**245**	ND (25.5)	**9.39**	ND (53.4)
Total Tetrachlorobiphenyls (Congeners)	**282**	231 B	ND(24.6)B	ND (25.6)	ND (25.1)	536 B	ND (26.5)	<24.5 B	**489**	273 B	5.41 B	ND (53.4)
Total Trichlorobiphenyls (Congeners)	**244**	55.6 B	ND (24.6)	ND (25.6)	ND (25.1)	119 B	ND (26.5)	ND (24.5)	142 B	33.2 B	ND (25.6)	ND (53.4)
SVOCs (ug/L)												
Hexachlorobenzene	ND(1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND (2)J	ND (5)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] PCB 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Table A-9. Groundwater Concentrations: MW-9

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05[al]	01/06	02/06	03/06	04/06	05/06
Dioxins (pg/L)												
1,2,3,4,6,7,8-HPCDD	ND (1.19)	ND (1.38)	ND (1.5)	**0.646 J**	ND (2.58)	ND (0.818)	ND (2.57)	ND (2.56)	ND (1.17)	ND (0.965)	ND (0.757)	ND (0.204)	ND (2.03)
1,2,3,4,7,8-HXCDD	ND (1.17)	ND (1.04)	ND (1.2)	ND (0.647)	ND (1.56)	ND (0.904)	ND (1.52)	ND (1.28)	ND (1.28)	ND (1.25)	ND (1.01)	ND (0.237)	ND (1.38)
1,2,3,6,7,8-HXCDD	ND (1.14)	ND (1.09)	ND (1.24)	ND (0.694)	ND (1.54)	ND (0.885)	ND (1.5)	ND (1.27)	ND (1.39)	ND (1.34)	ND (1.06)	ND (0.254)	ND (1.43)
1,2,3,7,8,9-HXCDD	ND (1.09)	ND (1.01)	ND (1.2)	ND (0.635)	ND (1.47)	ND (0.844)	ND (1.48)	ND (1.24)	ND (1.29)	ND (1.26)	ND (0.998)	ND (0.248)	ND (1.42)
1,2,3,7,8-PECDD	ND (0.606)	ND (0.817)	ND (0.746)	ND (0.484)	ND (1)	ND (0.654)	ND (0.847)	ND (1.27)	ND (1.06)	ND (1.76)	ND (0.374)	ND (0.21)	ND (1.55)
2,3,7,8-TCDD	ND (0.715)	ND (0.689)	ND (0.621)	ND (0.628)	ND (1.03)	ND (0.909)	ND (1.07)	ND (1.72)	ND (1.15)	ND (1.37)	ND (0.537)	ND (0.252)	ND (1.64)
OCDD	5.85 B	5.93 B	ND (10.4)	4.82 B	ND (13.5)	**3.70 J**	ND(10.3)	6.80 B	7.53 B	4.02 B	**10.6 J**	5.61 B	**4.98 J**
Total HPCDD	ND (1.19)	ND (1.38)	ND (1.5)	**0.646**	ND (2.58)	ND (0.818)	ND (2.57)	ND (2.56)	ND (1.17)	ND (0.965)	ND (0.757)	ND (0.204)	ND (2.03)
Total HXCDD	ND (1.14)	ND (1.04)	ND (1.22)	ND (0.659)	ND (1.52)	ND (0.877)	ND (1.5)	ND (1.26)	ND (1.32)	ND (1.28)	ND (1.02)	ND (0.246)	ND (1.41)
Total PECDD	ND (0.606)	ND (0.817)	ND (0.746)	ND (0.484)	ND (1)	ND (0.654)	ND (0.847)	ND (1.27)	ND (1.06)	ND (1.33)	ND (0.893)	ND (0.21)	ND (1.55)
Total TCDD	**1.98**	ND (0.689)	ND (0.621)	**2.25**	ND (1.03)	ND (0.909)	**4.09**	ND (1.72)	ND (1.15)	**10.6**	ND (0.537)	ND (0.252)	ND (1.64)
Furans (pg/L)												
1,2,3,4,6,7,8-HPCDF	ND (0.778)	ND (0.846)	ND (0.635)	ND (0.308)	ND (0.85)	ND (0.555)	ND (0.786)	ND (1.19)	ND (0.581)	ND (0.847)	ND (1.05)	ND (0.22)	ND(1.02)
1,2,3,4,7,8,9-HPCDF	ND (0.959)	ND (0.982)	ND (0.865)	ND (0.309)	ND (0.965)	ND (0.573)	ND (0.871)	ND (1.4)	ND (0.562)	ND (0.907)	ND (0.581)	ND (0.219)	ND (1.01)
1,2,3,4,7,8-HXCDF	ND (0.34)	ND (0.391)	ND (0.357)	ND (0.156)	ND (0.559)	ND (0.587)	ND (0.47)	ND (0.628)	ND (0.287)	ND (0.43)	ND (0.233)	ND (0.161)	ND (0.789)
1,2,3,6,7,8-HXCDF	ND (0.314)	ND (0.367)	ND (0.329)	ND (0.158)	ND (0.481)	ND (0.543)	ND (0.498)	ND (0.664)	ND (0.285)	ND (0.433)	ND (0.195)	ND (0.148)	ND (0.756)
1,2,3,7,8,9-HXCDF	ND (0.599)	ND (0.755)	ND (0.526)	ND (0.225)	ND (0.891)	ND (0.876)	ND (0.952)	ND (1.74)	ND (0.417)	ND (0.729)	ND (0.357)	ND (0.233)	ND (1.22)
1,2,3,7,8-PECDF	ND (1.11)	ND (0.981)	ND (0.707)	ND (0.693)	ND (1.17)	ND (2.49)	ND (1.34)	ND (2.04)	ND (1.06)	ND (2.5)	ND (0.448)	ND (0.149)	ND (0.86)
2,3,4,6,7,8-HXCDF	ND (0.357)	ND (0.439)	ND (0.361)	ND (0.161)	ND (0.547)	ND (0.577)	ND (0.526)	ND (0.826)	ND (0.302)	ND (0.456)	ND (0.238)	ND (0.165)	ND (0.889)
2,3,4,7,8-PECDF	ND (0.936)	ND (0.854)	ND (0.639)	ND (0.568)	ND (0.973)	ND (1.98)	ND (1.28)	ND (1.93)	ND (0.97)	ND (2.16)	ND (0.419)	ND (0.139)	ND (0.837)
2,3,7,8-TCDF	ND (1.1)	ND (0.975)	ND (0.557)	ND (0.389)	ND (0.7)	ND (1.06)	ND (1.01)	ND (1.53)	ND (0.682)	ND (1.52)	ND (0.379)	ND (0.258)	ND (1.8)
OCDF	ND (2.53)	ND (1.3)	ND (4.14)	ND (1.33)	ND (3.15)	ND (5.26)	**4.59 J**	ND (4.11)	ND (2.06)	ND (2.64)	**2.94 J**	1.55B	ND (3.34)
Total HPCDF	ND (0.858)	ND (0.905)	ND (0.743)	ND (0.308)	ND (0.9)	ND (0.562)	ND (0.825)	ND (1.29)	ND (0.572)	ND (0.876)	ND (1.14)	ND (0.22)	ND (1.02)
Total HXCDF	ND (0.39)	ND (0.47)	ND (0.386)	ND (0.174)	ND (0.596)	ND (0.634)	ND (0.588)	ND (0.881)	ND (0.319)	ND (0.506)	ND (0.248)	ND (0.177)	ND (0.914)
Total PECDF	ND (1.02)	ND (0.915)	ND (0.671)	ND (0.627)	ND (1.07)	ND (2.22)	ND (1.31)	ND (1.98)	ND (1.01)	ND (2.32)	ND (0.434)	ND (0.144)	ND (0.848)
Total TCDF	ND (1.1)	ND (0.975)	ND (0.557)	ND (0.389)	ND (0.7)	4.19B	ND (1.01)	ND (1.53)	ND (0.682)	ND (1.52)	ND (0.379)	ND (0.258)	ND (1.8)
Metals (ug/L)												
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	ND (8.4)	—	—	—	—	—	—	—	—	—

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05[a]		01/06	02/06	03/06	04/06	05/06
Manganese	**515**	**487**	**491**	**478**	**501**	**481**	**466**	**480**	**519**	**493**	**455**	**460**	**439**
Thallium	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	**ND (10)**	**ND (10)**	**ND (10)**	**10.2 B**	**ND (10)**	**ND (10)**	**ND (10)**	**ND (10)**
PCBs(pg/L)													
PCB77	ND (6.43)	5.19B	3.15B	4.32 B	ND (4.01)	10.7B	ND (4.17)	ND (5.06)	6.65 B	ND (6)	ND (3.71)	ND (4.24)	ND (10.3)
PCB81	ND (5.86)	ND (1.66)	ND (1.26)	ND (2.18)	ND (1.5)	ND (3.3)	ND (3.92)	ND (4.77)	ND (2.93)	ND (5.89)	ND (2.12)	ND (2.02)	ND (10)
PCB105	ND (16)	7.3 B	ND (11.9)	ND (9.75)	ND (11.7)	36.1 B	ND (12.6)	ND (12)	ND (9.24)	ND (18.1)	ND (10.6)	ND (7.46)	ND (18.5)
PCB-106/118	ND (20.9)	ND (17.2)	ND (12.3)	ND (12.6)	ND (9.64)	51.4B	ND (15.9)	ND (13.9)	ND (12.2)	ND (19.8)	ND (16)	ND (7.35)	ND (17.2)
PCB114	ND (17.2)	ND (7.68)	ND (11.5)	ND (10.2)	ND (12.5)	ND (9.57)	ND (14.5)	ND (13.1)	ND (10.1)	ND (22.1)	ND (12.3)	ND (8.89)	ND (20.5)
PCB123	ND (22.6)	ND (8.7)	ND (12.5)	ND (12.5)	ND (9.61)	ND (10)	ND (16)	ND (14.7)	ND (12.7)	ND (21.3)	ND (16.7)	ND (6.87)	ND (17.3)
PCB126	ND (17.7)	ND (8.2)	ND (13.3)	ND (10.9)	ND (13.9)	ND (12.8)	ND (17.2)	ND (15.9)	ND (11.1)	ND (22.3)	ND (10.8)	ND (8.29)	ND (21.9)
PCB156	ND (4.7)	ND (1.85)	ND (1.6)	ND (2.66)	ND (2.1)	ND (3.54)	ND (5.85)	ND (4.99)	ND (4.57)	ND (5.45)	ND (2.39)	ND (3.62)	ND (11.9)
PCB157	ND (4.22)	ND (1.9)	ND (1.71)	ND (2.83)	ND (2.26)	ND (3.67)	ND (6.17)	ND (5.19)	ND (4.59)	ND (5.62)	ND (2.58)	ND (3.71)	ND (13)
PCB167	ND (5.3)	ND (1.83)	ND (1.64)	ND (2.85)	ND (2.29)	ND (3.47)	ND (5.73)	ND (4.95)	ND (4.81)	ND (5.38)	ND (2.54)	ND (4.4)	ND (12.4)
PCB169	ND (3.52)	3.78 B	ND (3.14)	3.98 B	4.03 B	4.33 B	ND (8.25)	ND (7.06)	ND (5.81)	ND (6.74)	ND(24.3)J	3.93 BJ	ND(16.6)
PCB189	ND (1.68)	ND (1.06)	ND (1.31)	ND (1.6)	ND (1.5)	ND (2.07)	ND (4.97)	ND (1.66)	ND (2.55)	ND (2.66)	ND (1.32)	ND (3.34)	ND (4.65)
Total Decachlorobiphenyls (Congeners)[b]	ND (50)	ND (49.3)	ND (24.7)	ND (25.5)	ND (25.6)	ND (24.9)	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total Dichlorobiphenyls (Congeners)	**66.9**	**66.5**	88.3 B	ND (51)	ND (51.1)	ND (49.8)	ND (50.6)	ND (51.6)	ND (48.9)	ND (48.1)	ND (48.6)	ND (52)	ND (105)
Total Heptachlorobiphenyls (Congeners)	ND (50)	ND (49.3)	ND (24.7)	ND (25.5)	ND (25.6)	ND (24.9)	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total Hexachlorobiphenyls (Congeners)	ND (50)	<49.3 B	ND (24.7)	<25.5 B	ND (25.6)	<24.9 B	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	3.93 B	ND (52.7)
Total Monochlorobiphenyls (Congeners)	ND (25)	ND (24.6)	ND (24.7)	ND (25.5)	ND (25.6)	ND (24.9)	ND (25.3)	ND (25.8)	46.3 B	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total Nonachlorobiphenyls (Congeners)	ND (50)	ND (49.3)	ND (24.7)	ND (25.5)	ND (25.6)	ND (24.9)	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total Octachlorobiphenyls (Congeners)	ND (50)	ND (49.3)	ND (24.7)	ND (25.5)	ND (25.6)	ND (24.9)	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total PCB (Congeners)	**864**	626 B	91.5B	8.30 B	4.03 B	2120B	ND (50.6)	ND (51.6)	403 B	25.2 B	453 B	3.93 B	ND (105)
Total Pentachlorobiphenyls (Congeners)	ND (50)	ND (49.3)	ND (24.7)	ND (25.5)	ND (25.6)	512B	ND (25.3)	ND (25.8)	ND (24.5)	ND (24)	ND (24.3)	ND (26)	ND (52.7)
Total Tetrachlorobiphenyls (Congeners)	**524**	393 B	ND(24.7)B	ND (25.5)	<31.6	1240B	ND (25.3)	ND (25.8)	112 B	25.2 B	350 B	ND (26)	ND (52.7)
Total Trichlorobiphenyls (Congeners)	**274**	155B	ND (24.7)	ND (25.5)	ND (25.6)	360 B	ND (25.3)	ND (25.8)	244 B	ND (24)	99.5 B	ND (26)	ND (52.7)
SVOCs (ug/L)													
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)
Hexachlorobutadiene	ND(1)	ND (1)	ND (1)	ND (1)	ND (1)J	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05[a]		01/06	02/06	03/06	04/06	05/06
Octachlorostyrene	ND(2)J	ND (5)	ND(2)J	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] First column - original results, second column - duplicate sample results

M p_{CB} 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Table A-10. Groundwater Concentrations: MW-10

Sample Date	06/05	07/05	8/05[a]		09/05	10/05	11/05	12/05	1/06[a]		2/05[a]		3/06[a]		4/06[a]		5/06[a]	
Dioxins (pg/L)																		
1,2,3,4,6,7,8-HPCDD	ND(2.68)	**1.97 J**	ND(2.57)	ND(2.37)	**1.37J**	ND(1.31)	**9.99 J**	**6.29J**	**3.92 J**	**2.4J**	**4.55 J**	**7.14J**	ND(2.29)	ND(2.32)	2.07 B	2.37 B	ND(1.66)	ND(1.53)
1,2,3,4,7,8-HXCDD	ND(1.54)	ND(1.15)	ND(1.06)	ND(1.74)	ND(0.653)	ND(1.92)	ND(1.11)	ND(1.06)	ND(1.38)	ND(1.17)	ND(2.59)	ND(2.27)	ND(0.807)	ND(1.01)	ND(0.35)	ND(0.299)	ND(1.28)	ND(1.36)
1,2,3,6,7,8-HXCDD	ND(1.61)	ND(1.2)	ND(1.06)	ND(1.7)	ND(0.646)	ND(1.95)	ND(1.08)	ND(1)	ND(1.44)	ND(0.22)	ND(2.55)	ND(2.4)	ND(0.801)	ND(1.11)	ND(0.365)	ND(0.317)	ND(1.37)	ND(1.45)
1,2,3,7,8,9-HXCDD	ND(1.49)	ND(1.12)	ND(1.04)	ND(1.69)	ND(0.613)	ND(1.83)	ND(1.03)	ND(1)	ND(1.36)	ND(1.16)	ND(2.48)	ND(2.26)	ND(0.776)	ND(1.03)	ND(0.361)	ND(0.311)	ND(1.34)	ND(1.42)
1,2,3,7,8-PECDD	ND(0.874)	ND(0.948)	ND(0.708)	ND(1.11)	ND(0.722)	ND(1.58)	ND(0.612)	ND(1.09)	ND(1.04)	ND(1.11)	ND(2.39)	ND(2.16)	ND(0.481)	ND(0.48)	ND(0.386)	ND(0.244)	ND(1.25)	ND(1.19)
2,3,7,8-TCDD	ND(0.8)	ND(0.815)	ND(0.72)	ND(0.837)	ND(0.66)	ND(0.984)	ND(0.595)	ND(1.13)	ND(0.834)	ND(0.637)	ND(1.52)	ND(1.49)	ND(0.674)	ND(0.554)	ND(0.333)	ND(0.254)	ND(1.34)	ND(1.17)
OCDD	**17.2 J**	**34.3 J**	ND(20.3)	ND(10)	15.6B	14.9B	**14.7J**	28.3 B	50.3 B	38.1 B	62.4 B	97 B	**24 J**	**23.5J**	17.9B	13.5B	**7.55J**	**5.05 J**
Total HPCDD	ND(2.68)	**4.08**	ND(2.57)	ND(2.37)	**1.37**	**1.31**	**11.7**	**6.29**	**7.26**	**5.14**	8	**12.9**	ND(2.29)	**1.22**	3.5 B	3.22 B	ND(1.66)	ND(1.53)
Total HXCDD	ND(1.55)	ND(1.16)	ND(1.05)	ND(1.71)	ND(0.637)	ND(1.9)	**8.89**	**2.01**	ND(1.39)	ND(1.18)	ND(2.53)	ND(1.4)	**1.19**	ND(2.39)	ND(0.359)	**1.15**	ND(1.33)	ND(1.41)
Total PECDD	ND(0.874)	ND(0.948)	ND(0.708)	ND(1.11)	ND(0.722)	ND(1.58)	**1.03**	ND(1.09)	ND(1.04)	ND(1.11)	ND(2.39)	ND(1.64)	ND(0.995)	ND(0.48)	ND(0.386)	ND(0.244)	ND(1.25)	ND(1.19)
Total TCDD	ND(0.8)	ND(0.815)	ND(0.72)	ND(0.837)	ND(0.66)	ND(0.984)	ND(0.595)	ND(1.13)	ND(0.834)	ND(0.637)	ND(1.52)	ND(1.49)	ND(0.674)	ND(0.554)	ND(0.333)	ND(0.254)	ND(1.34)	ND(1.17)
Furans (pg/L)																		
1,2,3,4,6,7,8-HPCDF	ND(1.75)	ND(0.833)	ND(0.661)	ND(0.626)	ND(0.377)	ND(0.591)	ND(0.551)	ND(1.12)	ND(0.918)	ND(0.85)	ND(1.06)	ND(1.41)	ND(0.583)	ND(0.97)	ND(0.952)	ND(0.224)	ND(1.32)	ND(1.33)
1,2,3,4,7,8,9-HPCDF	ND(1.97)	ND(1.03)	ND(1)	ND(0.92)	ND(0.381)	ND(0.6)	ND(0.629)	ND(0.913)	ND(0.863)	ND(0.859)	ND(1.19)	ND(1.44)	ND(0.658)	ND(0.508)	**0.737 J**	ND(0.213)	ND(1.33)	ND(1.32)
1,2,3,4,7,8-HXCDF	ND(0.904)	ND(0.474)	ND(0.346)	ND(0.402)	ND(0.228)	ND(0.459)	ND(0.349)	ND(0.634)	ND(0.443)	ND(0.638)	ND(0.526)	ND(0.493)	ND(0.258)	ND(0.257)	ND(0.214)	ND(0.112)	ND(0.832)	ND(0.764)
1,2,3,6,7,8-HXCDF	ND(0.877)	ND(0.438)	ND(0.322)	ND(0.406)	ND(0.226)	ND(0.431)	ND(0.342)	ND(0.638)	ND(0.443)	ND(0.642)	ND(0.538)	ND(0.498)	ND(0.241)	ND(0.24)	ND(0.213)	ND(0.11)	ND(0.704)	ND(0.737)
1,2,3,7,8,9-HXCDF	ND(1.55)	ND(0.928)	ND(0.532)	ND(0.627)	ND(0.418)	ND(0.762)	ND(0.551)	ND(1.17)	ND(0.703)	ND(0.951)	ND(0.942)	ND(0.826)	ND(0.394)	ND(0.382)	ND(0.337)	ND(0.171)	ND(1.22)	**ND(1.15)**
1,2,3,7,8-PECDF	ND(1.57)	ND(1.1)	ND(0.789)	ND(0.733)	ND(0.638)	ND(0.977)	ND(1.42)	ND(1.47)	ND(1.2)	ND(1.02)	ND(2.45)	ND(2.17)	ND(0.504)	ND(0.362)	ND(0.232)	ND(0.186)	ND(0.822)	ND(0.933)
2,3,4,6,7,8-HXCDF	ND(0.953)	ND(0.549)	ND(0.371)	ND(0.441)	ND(0.254)	ND(0.483)	ND(0.36)	ND(0.735)	ND(0.492)	ND(0.682)	ND(0.57)	ND(0.523)	ND(0.272)	ND(0.263)	ND(0.235)	ND(0.121)	ND(0.904)	ND(0.876)
2,3,4,7,8-PECDF	ND(1.41)	ND(1.04)	ND(0.702)	ND(0.671)	ND(0.579)	ND(0.848)	ND(1.22)	ND(1.28)	ND(1.09)	ND(0.909)	ND(2.19)	ND(2.21)	ND(0.496)	ND(0.353)	ND(0.218)	ND(0.177)	ND(0.757)	ND(0.931)
2,3,7,8-TCDF	ND(1.37)	ND(1.02)	ND(0.49)	ND(0.694)	ND(0.409)	ND(0.987)	ND(1.01)	ND(0.96)	ND(0.71)	ND(1.28)	ND(1.7)	ND(1.41)	ND(0.349)	ND(0.319)	ND(0.361)	ND(0.224)	ND(1.6)	ND(1.34)
OCDF	ND(4.25)	**3.49 J**	ND(3.15)	ND(3.94)	ND(1.12)	ND(3.76)	ND(1.43)	**4.18J**	**3.71 J**	**2.52J**	**3.85 J**	**6.27J**	**13.9 J**	**2.19J**	3.21 B	2.63 B	ND(2.5)	**6.63 J**
Total HPCDF	ND(1.85)	ND(0.917)	ND(0.818)	ND(0.76)	ND(0.378)	ND(0.595)	ND(0.586)	ND(2.7)	ND(0.892)	ND(0.854)	ND(1.12)	ND(1.42)	ND(0.618)	ND(1.03)	**1.69**	ND(0.218)	ND(1.32)	ND(1.32)
Total HXCDF	ND(1.04)	ND(0.574)	ND(0.385)	ND(0.461)	ND(0.275)	ND(0.516)	ND(0.393)	ND(0.779)	ND(0.514)	ND(0.721)	ND(0.632)	ND(0.579)	ND(0.54)	ND(0.279)	ND(0.25)	ND(0.128)	ND(0.915)	ND(0.882)
Total PECDF	ND(1.49)	ND(1.07)	ND(0.744)	ND(0.701)	ND(0.607)	ND(0.909)	ND(1.32)	ND(1.37)	ND(1.14)	ND(0.962)	ND(2.32)	ND(2.19)	ND(0.5)	ND(0.357)	ND(0.225)	ND(0.182)	ND(0.79)	ND(0.932)
Total TCDF	ND(1.37)	ND(1.02)	ND(0.49)	ND(0.694)	ND(0.409)	ND(0.987)	ND(1.01)	ND(0.96)	ND(0.71)	ND(1.28)	ND(1.7)	ND(1.41)	ND(0.443)	ND(0.319)	ND(0.361)	ND(0.224)	ND(1.6)	ND(1.34)

Sample Date	06/05	07/05	8/05 [a]		09/05	10/05	11/05	12/05	1/06 [a]		2/05 [a]		3/06 [a]		4/06 [a]		5/06 [a]	
Metals (ug/L)																		
Antimony	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	—	—	—	ND (8.4)	—	—	—	—	—	—	—	—	—	—	—	—	—
Manganese	**1370**	**1290**	**1290**	**1310**	**1370**	**1370**	**1030**	**870**	**317**	**315**	**651**	**654**	**721**	**693**	**766**	**771**	776	**745**
Thallium	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	60	62.5	ND(10)	ND(10)
PCBs(pg/L)																		
PCB77	ND(17.6)	4.05 B	11.7 B	ND (1.29)	8.98 B	2.98 B	ND (3.73)	ND (4.4)	ND (3.24)	ND (3.76)	ND (6.96)	ND (5.27)	ND (5.53)	ND (4.67)	ND (5.09)	ND(3.11)	ND (8.48)	ND (8.2)
PCB81	ND (5.25)	ND (1.18)	ND (1.94)	ND (1.26)	ND (2.67)	ND (1.17)	ND (3.68)	ND (4.2)	ND(3.22)	ND (3.74)	ND (6.89)	ND (5.25)	ND (5.28)	ND (4.59)	ND (4.85)	ND (3.02)	ND (8.25)	ND (7.98)
PCB105	ND(17.1)	5.85 B	**66.3**	**6.95 J**	ND(15)	ND(10.1)	ND (9.02)	ND(15.1)	ND(11.1)	ND(11.6)	ND(15.2)	ND(14.8)	ND(10.1)	ND(16.1)	ND (5.83)	ND (4.63)	ND(11.3)	ND(14.3)
PCB-106/118	ND (24)	9.57 B	**210**	ND (24.9)	ND (12.5)	ND (12)	15.5B	ND(14.6)	ND(13.1)	ND (12.5)	ND (18.2)	ND(20.1)	ND (12.7)	ND(13.1)	ND (6.49)	**10.1 J**	ND (12.5)	ND (16.1)
PCB114	ND(16)	ND (3.37)	ND (5.76)	ND (3.28)	ND(13.3)	ND (11)	ND(10.5)	ND(16.5)	ND(11.7)	ND(14.3)	ND(18.2)	ND (17.4)	ND(11.7)	ND(18.6)	ND (6.64)	ND(5.41)	ND(12.2)	ND (15.5)
PCB123	ND (22)	ND (7.2)	ND(12.9)	ND (3.73)	ND(14.8)	ND(11.7)	ND (6.86)	ND(15)	ND (13.6)	ND(13.6)	ND(18.5)	ND(21.9)	ND (13.4)	ND (13.4)	ND (6.39)	ND(12.6)	ND (12.7)	ND (17.5)
PCB126	ND (17.1)	ND (3.69)	ND (6.46)	ND (3.72)	ND (13.9)	ND (10.5)	ND (13.3)	ND (17.7)	ND(14.7)	ND (15.5)	ND (18.5)	ND (17.6)	ND (10.7)	ND (16.1)	ND (7.71)	ND (6.14)	ND (14.2)	ND (17.2)
PCB156	ND (7.66)	ND(1.33)	**38.9**	ND(1.31)	ND (3.49)	ND(2.25)	ND (3.39)	ND (4.07)	ND (3.39)	ND (2.46)	ND(5.14)	ND(6.41)	ND (3.5)	ND (2.85)	ND (4.54)	ND (3.84)	ND (6.7)	ND (9.51)
PCB157	ND (8.14)	ND (1.26)	**7.71 J**	ND (1.42)	ND (3.76)	ND (2.3)	ND(3.55)	ND (4.28)	ND (3.34)	ND (2.6)	ND (5.52)	ND (6.98)	ND (3.69)	ND (2.73)	ND (6.17)	ND (2.47)	ND (6.82)	ND (9.96)
PCB167	ND(8.14)	ND(1.2)	**14.1 J**	ND(1.36)	ND (3.48)	ND(2.36)	ND(3.36)	ND (4.05)	ND (3.42)	ND (2.44)	ND (5.09)	ND (6.42)	ND(3.91)	ND (3.06)	ND(2.31)	ND (2.94)	ND (6.66)	ND (9.49)
PCB169	ND (9.76)	4.27 B	ND (4.35)	3.27 B	ND (7.12)	4.07 B	ND (7.66)	ND (5.34)	ND (4.44)	**3.45 J**	ND (6.29)	ND (8.09)	ND (3.88)	ND (5.24)	ND (6.55)	5.18 BJ	ND (9.13)	ND (11.7)
PCB189	ND (2.56)	ND (1.43)	**12.6J**	ND (0.8)	ND (2.7)	ND(2.92)	ND (1.93)	ND (1.77)	ND (2.48)	ND (1.79)	ND (2.28)	ND (3.69)	ND (1.06)	ND(1.3)	ND (1.03)	ND (1.02)	ND (2.63)	ND (2.93)
Total Decachlorobiphenyls (Congeners)[b]	ND (50.2)	ND (52.8)	ND (24.7)	ND (24.6)	ND (25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	ND (24.5)	ND(25.1)	ND(25.1)	ND (25.3)	ND (26)	ND (52.7)	ND(52.1)
Total Dichlorobiphenyls (Congeners)	**87.9**	ND (52.8)	833 B	890 B	ND (50.3)	ND(50.1)	ND (49.7)	ND (50.4)	ND (49.4)	ND (49.5)	ND (49.2)	ND (49)	ND (50.2)	ND(50.1)	ND (50.6)	ND(51.9)	ND (107)	ND (104)
Total Heptachlorobiphenyls (Congeners)	ND (50.2)	ND (52.8)	**5930**	ND (24.6)	ND (25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	**51.2**	ND (24.6)	ND (24.5)	ND(25.1)	ND(25.1)	ND (25.3)	ND (26)	ND (52.7)	ND(52.1)
Total Hexachlorobiphenyls (Congeners)	ND (50.2)	ND (52.8)B	4550 B	ND(24.6)B	ND(25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	**67**	ND (24.6)	**24.9**	ND(25.1)	ND(25.1)	ND (25.3)	5.18B	ND (52.7)	ND(52.1)
Total Monochlorobiphenyls (Congeners)	ND (25.1)	ND (26.4)	148 B	68.9 B	ND(25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	ND (24.5)	ND (25.1)	ND (25.1)	ND (25.3)	ND (26)	ND (52.7)	ND (52.1)
Total Nonachlorobiphenyls (Congeners)	ND (50.2)	ND (52.8)	**124**	ND (24.6)	ND (25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	ND (24.5)	ND(25.1)	ND(25.1)	ND (25.3)	ND (26)	ND (52.7)	ND(52.1)
Total Octachlorobiphenyls (Congeners)	ND (50.2)	ND (52.8)	**1960**	ND (24.6)	ND (25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	ND (24.5)	ND(25.1)	ND(25.1)	ND (25.3)	ND (26)	ND (52.7)	ND(52.1)
Total PCB(Congeners)	**291**	122B	16400B	1390B	8.98 B	7.04 B	258 B	ND (50.4)	ND (49.4)	**118**	27.1 B	107B	ND (50.2)	**232**	ND (50.6)	15.2B	ND(107)	ND (104)
Total Pentachlorobiphenyls (Congeners)	ND (50.2)	ND (52.8)	**1460**	ND (24.6)	ND (25.2)	ND (25)	140 B	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	**28.8**	ND(25.1)	ND(25.1)	ND (25.3)	**10.1**	ND (52.7)	ND(52.1)
Total Tetrachlorobiphenyls (Congeners)	**104**	103 B	784 B	53.1 B	ND(25.2)	ND (25)	118 B	ND (25.2)	ND (24.7)	ND (24.7)	27.1 B	53.8 B	ND (25.1)	**203**	ND(25.3)	ND (26)	ND(52.7)	ND(52.1)
Total Trichlorobiphenyls (Congeners)	**99.5**	ND (26.4)	**565**	363	ND (25.2)	ND (25)	ND (24.9)	ND (25.2)	ND (24.7)	ND (24.7)	ND (24.6)	ND (24.5)	ND(25.1)	**28.5**	ND(25.3)	ND (26)	ND(52.7)	ND(52.1)
SVOCs(ug/L)																		
Hexachlorobenzene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND (1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	**ND(1)**	ND(1)	ND(1)	ND(1)	ND(1)
Hexachlorobutadiene	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND (1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)

Sample Date	06/05	07/05	8/05[a]		09/05	10/05	11/05	12/05	1/06[a]		2/05[a]		3/06[a]		4/06[a]		5/06[a]	
Octachlorostyrene	ND(2)J	ND (5)	ND(2)J	ND(2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)

[a] First column - original results, second column - duplicate sample results

$M_{p_{CB}}$ 209

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Table A-11. Groundwater Concentrations: QA/QC Blanks

Sample Month	6/05		7/05			8/05			9/05		10/05		11/05		12/05				1/06		2/06		3/06			4/06		5/06	
Sample Date Sample ID	6/13/05	6/14/05	7/19/05	7/21/05	7/22/05	8/23/05	8/24/05	8/25/05	9/21/05	9/22/05	10/11/05	10/12/05	11/14/05	11/15/05	12/19/05	12/19/05	12/21/05	12/21/05	1/19/06	1/20/06	2/15/06	2/16/06	3/21/06	3/21/06	3/22/06	4/11/06	4/12/06	5/16/06	5/17/06
	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-3	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQ-1	EQBLK-1	EQ-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2
Dioxins (pg/L)																													
1,2,3,4,6,7,8-HPCDD	ND (1.91)	____	ND (1.16)	ND (2.57)	ND (1.16)	ND (1.31)	ND (2.06)	ND (1.14)	ND (0.782)	ND (0.663)	ND (1.92)	ND (2.16)	ND (1.6)	ND (1.02)	**3.68 J**	---	**12.9J**	---	---	ND (1.29)	ND (1.65)	ND (1.7)	ND (1.81)	---	ND (1.78)	**0.825 J**	ND (0.508)	ND (2.13)	ND (2.58)
1,2,3,4,7,8-HXCDD	ND (1.8)	____	ND (1.01)	ND (1.76)	ND (1.17)	ND (1.3)	ND (1.81)	ND (1.73)	ND (0.719)	ND (0.644)	ND (2.25)	ND (2.29)	ND (1.34)	ND (1.43)	ND (1.62)	—	ND (0.96)	—	—	ND (1.69)	ND (1.56)	ND (1.99)	ND (0.463)	—	ND (0.885)	ND (0.254)	ND (0.183)	ND (1.79)	ND (1.79)
1,2,3,6,7,8-HXCDD	ND (1.88)	____	ND (1.13)	ND (1.69)	ND (1.15)	ND (1.36)	ND (1.86)	ND (1.71)	ND (0.725)	ND (0.686)	ND (2.34)	ND (2.35)	ND (1.28)	ND (1.46)	ND (1.49)	—	ND (0.976)	—	—	ND (1.66)	ND (1.6)	ND (2.11)	ND (0.476)	—	ND (0.91)	ND (0.272)	ND (0.197)	ND (1.85)	ND (1.81)
1,2,3,7,8,9-HXCDD	ND (1.85)	____	ND (1.03)	ND (1.73)	ND (1.1)	ND (1.31)	ND (1.81)	ND (1.69)	ND (0.682)	ND (0.629)	ND (2.17)	ND (2.2)	ND (1.24)	ND (1.37)	ND (1.51)	—	ND (0.945)	—	—	ND (1.62)	ND (1.53)	ND (1.98)	ND (0.454)	—	ND (0.868)	ND (0.266)	ND (0.192)	ND (1.84)	ND (1.82)
1,2,3,7,8-PECDD	ND (1.26)	____	ND (0.984)	ND(1.25)	ND (0.858)	ND (0.909)	ND (0.897)	ND (0.979)	ND (0.521)	ND (0.584)	ND (1.14)	ND (1.17)	ND (0.894)	ND (0.707)	ND (1.32)	____	ND (0.661)	____	____	ND (0.894)	ND (3.44)	ND (1.51)	ND (0.349)	____	ND (0.908)	ND (0.211)	ND (0.22)	ND (1.88)	ND (2.1)
2,3,7,8-TCDD	ND (0.776)	____	ND (0.906)	ND(1.35)	ND (0.918)	ND (0.751)	ND (0.692)	ND (0.603)	ND (0.794)	ND (0.508)	ND (1.11)	ND (1.17)	ND (0.76)	ND (0.757)	ND (1.35)	—	ND (0.829)	—	—	ND (0.591)	ND (1.07)	ND (1.2)	ND (0.56)	—	ND (0.675)	ND (0.211)	ND (0.209)	ND (1.45)	ND (1.95)
OCDD	ND (7.17)	____	13.8 BJ	ND (5.51)	**3.71 J**	ND (6.42)	ND (7.6)	ND (5.55)	7.86 BJ	8.45 BJ	**17.6J**	ND (4.83)	ND (5.51)	ND (3.41)	33.2 B	---	96.5 B	____	---	7.66 BJ	ND (4.88)	7.22 BJ	ND (2.81)	____	ND (6.61)	8.98 BJ	13.1 BJ	ND (2.91)	ND (2.89)
Total HPCDD	ND (1.91)	____	ND (1.16)	ND (2.57)	ND (1.16)	ND (1.31)	ND (2.06)	ND (1.14)	ND (0.782)	ND (0.663)	ND (1.92)	ND (2.16)	ND (1.6)	ND (1.02)	**3.68**	—	**25.1**	—	—	ND (1.29)	ND (1.65)	ND (1.7)	ND (1.81)	—	ND (1.78)	**1.88**	**1.23**	ND (2.13)	ND (2.58)
Total HXCDD	ND (1.84)	____	ND (1.06)	ND (1.73)	ND (1.14)	ND (1.32)	ND (1.83)	ND (1.71)	ND (0.708)	ND (0.653)	ND (2.26)	ND (2.28)	ND (1.28)	ND (1.42)	ND (1.53)	—	ND (0.96)	—	—	ND (1.66)	ND (1.56)	ND (2.03)	ND (0.396)	—	ND (0.889)	ND (0.264)	ND (0.191)	ND (1.83)	ND (1.81)
Total PECDD	ND (1.26)	____	ND (0.984)	ND(1.25)	ND (0.858)	ND (0.909)	ND (0.897)	ND (0.979)	ND (0.521)	ND (0.584)	ND (1.14)	ND (1.17)	ND (0.894)	ND (0.707)	ND (1.32)	—	ND (0.661)	—	—	ND (0.894)	ND (3.44)	ND (1.51)	ND (0.965)	—	ND (1.6)	ND (0.211)	ND (0.22)	ND (1.88)	ND (2.1)
Total TCDD	ND (0.776)	____	ND (0.906)	ND(1.35)	ND (0.918)	ND (0.751)	ND (0.692)	ND (0.603)	ND (0.794)	ND (0.508)	ND (1.11)	ND (1.17)	ND (0.76)	ND (0.757)	ND (1.35)	—	ND (0.829)	—	—	ND (0.591)	ND (1.07)	ND (1.2)	ND (0.56)	—	ND (0.675)	ND (0.211)	**0.576**	ND (1.45)	ND (1.95)
Furans (pg/L)																													
1,2,3,4,6,7,8-HPCDF	ND (1.81)	____	ND (0.849)	ND (1.03)	ND (0.882)	ND (0.481)	ND (0.661)	ND (0.443)	ND (0.356)	ND (0.288)	ND (1.01)	ND (1.04)	ND (0.734)	ND (0.732)	ND (1.29)	____	**2.7 J**	____	____	ND (0.804)	ND (0.974)	ND (1.85)	ND (1.29)	____	ND (0.874)	ND (0.191)	**0.315 J**	ND (2.27)	ND (1.72)
1,2,3,4,7,8,9-HPCDF	ND (1.14)	____	ND (0.835)	ND (1.2)	ND (1.03)	ND (0.67)	ND (1.03)	ND (0.701)	ND (0.365)	ND (0.308)	ND (1.15)	ND (1.1)	ND (0.839)	ND (0.851)	ND (1.37)	____	ND (0.685)	____	____	ND (0.812)	ND (1.06)	ND (1.93)	ND (0.416)	____	ND (0.94)	ND (0.185)	ND (0.164)	ND (2.07)	ND (1.67)
1,2,3,4,7,8-HXCDF	ND (1.05)	____	ND (0.315)	ND (0.541)	ND (0.516)	ND (0.49)	ND (0.511)	ND (0.345)	ND (0.247)	ND (0.178)	ND (0.771)	ND (1.39)	ND (0.733)	ND (0.48)	ND (0.463)	—	ND (0.295)	—	—	ND (0.397)	ND (0.481)	ND (0.54)	ND (0.234)	—	ND (0.404)	ND (0.117)	ND (0.126)	ND (1.05)	ND (1.04)
1,2,3,6,7,8-HXCDF	ND (1)	____	ND (0.326)	ND (0.53)	ND (0.497)	ND (0.48)	ND (0.494)	ND (0.328)	ND (0.246)	ND (0.184)	ND (0.732)	ND (1.2)	ND (0.687)	ND (0.461)	ND (0.471)	____	ND (0.307)	____	____	ND (0.402)	ND (0.485)	ND (0.531)	ND (0.219)	____	ND (0.365)	ND (0.112)	ND (0.111)	ND (0.731)	ND (0.893)
1,2,3,7,8,9-HXCDF	ND (0.824)	____	ND (0.493)	ND (0.817)	ND (0.987)	ND (0.734)	ND (0.767)	ND (0.479)	ND (0.365)	ND (0.3)	ND (1.34)	ND (2.26)	ND (1.28)	ND (0.791)	ND (0.869)	—	ND (0.546)	—	—	ND (0.618)	ND (0.842)	ND (1.02)	ND (0.377)	—	ND (0.619)	ND (0.172)	ND (0.182)	ND (1.68)	ND (1.45)

Sample Month	6/05		7/05			8/05			9/05		10/05		11/05		12/05				1/06		2/06		3/06			4/06		5/06	
Sample Date Sample ID	6/13/05	6/14/05	7/19/05	7/21/05	7/22/05	8/23/05	8/24/05	8/25/05	9/21/05	9/22/05	10/11/05	10/12/05	11/14/05	11/15/05	12/19/05	12/19/05	12/21/05	12/21/05	1/19/06	1/20/06	2/15/06	2/16/06	3/21/06	3/21/06	3/22/06	4/11/06	4/12/06	5/16/06	5/17/06
	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-3	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQ-1	EQBLK-1	EQ-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2
1,2,3,7,8-PECDF	ND (2.18)	—	ND (0.92)	ND (1.59)	ND (0.997)	ND (0.859)	ND (1.04)	ND (0.592)	ND (0.704)	ND (0.54)	ND (1.51)	ND (1.69)	ND (1.55)	ND (1.38)	ND (1.68)	---	ND (0.927)	---	---	ND (0.99)	ND (3)	ND (2.27)	ND (0.54)	—	ND (0.762)	ND (0.14)	ND (0.177)	ND (1.56)	ND (0.985)
2,3,4,6,7,8-HXCDF	ND (0.561)	—	ND (0.334)	ND (0.561)	ND (0.614)	ND (0.528)	ND (0.545)	ND (0.344)	ND (0.266)	ND (0.187)	ND (0.838)	ND (1.52)	ND (0.752)	ND (0.491)	ND (0.544)	---	ND (0.34)	---	---	ND (0.438)	ND (0.476)	ND (0.563)	ND (0.253)	—	ND (0.404)	ND (0.123)	ND (0.126)	ND (1.14)	ND (1.08)
2,3,4,7,8-PECDF	ND (1.83)	—	ND (0.845)	ND (1.36)	**1.16 J**	ND (0.73)	ND (0.838)	ND (0.486)	ND (0.619)	ND (0.445)	ND (1.3)	ND (1.43)	ND (1.25)	ND (1.15)	ND (1.51)	---	ND (0.756)	---	---	ND (0.952)	ND (2.83)	ND (2.1)	ND (0.515)	—	ND (0.738)	ND (0.134)	ND (0.166)	ND (1.47)	ND (0.979)
2,3,7,8-TCDF	ND (1.12)	—	ND (0.677)	ND (0.884)	ND (1.1)	ND (0.646)	ND (0.672)	ND (0.547)	ND (0.346)	ND (0.351)	ND (1.28)	ND (1.23)	ND(1)	ND (0.935)	ND (1.19)	—	ND (0.86)	—	—	ND (0.61)	ND (1.36)	ND (1.69)	ND (0.329)	—	ND (0.436)	ND (0.237)	ND (0.205)	ND (1.64)	ND (1.81)
OCDF	ND (9.51)	—	ND (1.69)	ND (4.02)	ND (2.05)	ND (3.13)	ND (3.05)	ND (2.81)	ND (0.996)	**4.27 J**	ND (3.19)	ND (3.67)	ND (2.75)	ND (2.49)	**7.08 J**	—	**10.6 J**	—	—	ND (1.61)	ND (3.91)	ND (4.21)	ND (2.22)	—	ND (4.3)	1.37 BJ	18.6 BJ	ND (3.2)	ND (3.72)
Total HPCDF	ND (2.09)	—	ND (0.843)	ND (1.11)	ND (0.946)	ND (0.567)	ND (0.828)	ND (0.559)	ND (0.359)	ND (0.297)	ND (1.07)	ND (1.07)	ND (0.78)	ND (0.784)	ND (1.33)	---	**8.66**	—	—	ND (0.808)	ND (1.01)	ND (1.89)	ND (1.35)	—	ND (0.905)	ND (0.188)	**0.315**	ND (2.17)	ND (1.7)
Total HXCDF	ND (1.19)	—	ND (0.363)	ND (0.604)	ND (0.631)	ND (0.55)	ND (0.569)	ND (0.369)	ND (0.278)	ND (0.208)	ND (0.883)	ND (1.54)	ND (0.835)	ND (0.543)	ND (0.577)	---	**2.38**	---	---	ND (0.458)	ND (0.564)	ND (0.642)	ND (0.264)	—	ND (0.437)	ND (0.131)	ND (0.136)	ND(1.15)	ND (1.12)
Total PECDF	ND (2)	—	ND (0.882)	ND (1.47)	**1.16**	ND (0.792)	ND (0.935)	ND (0.537)	ND (0.66)	ND (0.49)	ND (1.4)	ND (1.55)	ND (4.12)	ND (1.26)	ND (1.59)	---	ND (0.837)	---	---	ND (0.971)	ND (2.91)	ND (2.19)	ND (0.527)	—	ND (0.75)	ND (0.137)	ND (0.172)	ND (1.52)	ND (0.982)
Total TCDF	ND (1.12)	—	ND (0.677)	ND (0.884)	ND (1.1)	ND (0.646)	ND (0.672)	ND (0.547)	ND (0.346)	ND (0.351)	ND (1.28)	ND (1.23)	**18.4**	ND (0.935)	ND (1.19)	—	ND (0.86)	—	—	ND (0.61)	ND (1.36)	ND (1.69)	ND (0.329)	—	ND (0.436)	ND (0.237)	ND (0.205)	ND (1.64)	ND (1.81)
Metals (ug/L)																													
Antimony	ND (6.4)	ND (6.4)	---	ND(6.4)J	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	—	ND (6.4)	—	ND (6.4)	**8.1 J**	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)	—	ND (6.4)	ND (6.4)	ND (6.4)	ND (6.4)
Arsenic	ND (9.3)	ND (9.3)	—	ND(9.3)J	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	—	ND (9.3)	—	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)	—	ND (9.3)	ND (9.3)	ND (9.3)	ND (9.3)
Lead	ND (8.4)	ND (8.4)	—	—	—	—	—	—	ND (8.4)	ND (8.4)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manganese	ND (0.96)	ND (0.96)	—	**9.3**	ND (0.96)	**1.9J**	**6.4**	**1.3 J**	**1.2 J**	**3J**	**3.5 J**	**1.4 J**	**4.4 J**	**8.1**	—	**1.2 J**	—	**6.4**	**11.9**	**1.1 J**	ND (0.96)	ND (0.96)	ND (0.96)	ND (0.96)	—	**19.6**	ND (0.96)	ND (0.96)	ND (0.96)
Thallium	ND (10)	ND (10)	—	ND (10)J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	---	ND (10)	—	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	—	ND (10)	ND (10)	ND (10)	ND (10)
PCBs (pg/L)																													
PCB77	ND (49.5)	—	4.26 BJ	—	23.6 BJ	**4.7 J**	ND (4.25)	**3.17J**	**6.36 J**	**3.23 J**	**4.88 J**	ND (4.96)	**46**	**5.48 J**	ND (3.78)	—	ND (3.8)	—	—	ND (4.03)	ND (7.39)	ND (5.32)	ND (28.7)J	—	ND (30.2)J	4.22 BJ	5.19 BJ	ND (14.8)	ND (14.5)
PCB81	ND (49.5)	—	ND (2.52)	—	ND (2.79)	ND (1.49)	ND (4.16)	ND (1.52)	ND (4.05)	ND (1.93)	ND (1.88)	ND (2.03)	ND (5.86)	ND (3.73)	ND (3.76)	—	ND (4.2)	—	—	ND (3.7)	ND (7.29)	ND (5.37)	ND (3.87)	—	ND (3.29)	ND (5.44)	ND (1.19)	ND (14.4)	ND (13.5)
PCB105	ND (49.5)	—	ND (11.9)	—	**71.4J**	ND (10.5)	ND (15.1)	ND (12.1)	ND (18.4)	ND (10.3)	ND (10.4)	ND (1)	**90.5**	ND (12.5)	ND (15.4)	—	ND (18.1)	—	—	ND(14.6)	ND(16.3)	ND(16.2)	ND (11.2)	—	ND (30.2)J	ND (11.1)	ND (4.37)	ND (8.98)	ND (17.1)
PCB-106/118	ND (49.5)	—	ND (9.15)	—	**116**	ND (12.9)	ND (20.6)	ND (13.7)	ND (15.5)	ND (13.8)	ND (13.4)	ND (14.9)	**137**	ND (17.3)	ND (13.9)	—	ND (19.6)	—	—	ND (16.3)	ND (20.7)	ND (22)	ND (14.5)	—	**35.4**	**18.1 J**	ND (6.13)	ND (16.7)	ND (12.8)
PCB114	ND (49.5)	—	ND (12.7)	—	ND(7.66)	ND(10.7)	ND(18.5)	ND (13.1)	ND(17.8)	ND(11.2)	ND(11.4)	ND (14.3)	ND (9.94)	ND (14.2)	ND (16.4)	—	ND (19)	—	—	ND (17)	ND (18.4)	ND (18.4)	ND (13)	—	ND (11.5)	ND (8.05)	ND (8.29)	ND (10)	ND (18.5)
PCB123	ND (49.5)	—	ND (9.99)	—	**6.38 J**	ND (13.4)	ND (20.2)	ND (13.7)	ND (17.4)	ND (13.6)	ND (13)	ND (14.3)	ND (12.4)	ND (16)	ND (14.8)	—	ND (18.7)	—	—	ND (16.8)	ND (20)	ND (21.1)	ND(16)	—	ND (13.8)	ND (6.42)	ND (7.74)	ND (15.6)	ND (13.4)
PCB126	ND (49.5)	—	ND (14)	—	ND (7.66)	ND (12.2)	ND (18.8)	ND (14.5)	ND (18.6)	ND (12.3)	ND (10.6)	ND (12.7)	ND (10.7)	ND (15.2)	ND (19.1)	—	ND (21.7)	—	—	ND (16.8)	ND (18.4)	ND (16.9)	ND (12)	—	ND (10.3)	ND (6.77)	ND (9.96)	ND (11.1)	ND (20.9)
PCB156	ND (49.5)	—	ND (2.87)	—	**5.18J**	ND (2.15)	ND (3.14)	ND (1.73)	ND (4.78)	ND (3.26)	ND (3.52)	ND (3.79)	**4.97 J**	ND (4.58)	ND (5.29)	—	ND (4.9)	—	—	ND (4.11)	ND (6.4)	ND (5.38)	ND (2.62)	—	ND (3.17)	ND (6.23)	ND (4.24)	ND (10.5)	ND (12.2)
PCB157	ND (49.5)	—	ND (3.06)	—	**2.23 J**	ND (2.25)	ND (3.31)	ND (1.8)	ND (4.88)	ND (3.31)	ND (3.68)	ND (4.03)	ND (3.42)	ND (4.85)	ND (5.43)	—	ND (4.99)	—	—	ND (4.2)	ND (6.57)	ND (5.79)	ND (2.87)	—	ND (3.6)	ND (6.49)	ND (4.25)	ND (11.1)	ND (12.7)
PCB167	ND (49.5)	—	ND (2.75)	—	ND (1.93)	ND (1.98)	ND (3.14)	ND (1.67)	ND (4.56)	ND (3.02)	ND (3.62)	ND (3.76)	ND (3.37)	ND (4.75)	ND (5.13)	—	ND (4.76)	—	—	ND (4.25)	ND (6.55)	ND (5.6)	ND (2.76)	—	ND (3.48)	ND (5.55)	ND (4.11)	ND (10.7)	ND (12.3)
PCB169	ND (49.5)	—	ND (3.59)	—	4.72 BJ	**3.76 J**	**5.47 J**	ND (4.3)	8.18 BJ	4.95 BJ	**5.67 J**	ND (4.1)	**ND (4.16)**	ND (11.2)	ND (7.12)	—	ND (6.29)	—	—	**4.9 J**	ND (7.74)	ND (6.62)	ND (28.7)J	—	ND (30.2)J	ND (14.5)	ND (4.79)	ND (106)J	ND (15.5)
PCB189	ND (49.5)	—	ND (1.78)	—	ND (1.13)	ND (1.87)	ND (1.95)	ND (1.91)	ND (3.32)	ND (1.97)	ND (2.64)	ND (2.57)	ND (2.06)	ND (2.38)	ND (2.07)	—	ND (1.98)	—	—	ND (2.36)	ND (3.22)	ND (2.68)	ND (1.35)	—	ND (1.54)	ND (2.19)	ND (1.7)	ND (9.07)	ND (6.21)
Total Decachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	ND (47.9)	ND (24.8)	ND (24.7)	ND (24.8)	ND (29.2)	ND (25.9)	ND (28)	ND (26.5)	ND (24.9)	ND (25.5)	ND (25.2)	—	ND (26.6)	—	—	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	ND (30.2)	ND (26.9)	ND (24.1)	ND (53.1)	ND (54.2)

Sample Month	6/05		7/05			8/05			9/05		10/05		11/05		12/05				1/06		2/06		3/06			4/06		5/06	
Sample Date Sample ID	6/13/05	6/14/05	7/19/05	7/21/05	7/22/05	8/23/05	8/24/05	8/25/05	9/21/05	9/22/05	10/11/05	10/12/05	11/14/05	11/15/05	12/19/05	12/19/05	12/21/05	12/21/05	1/19/06	1/20/06	2/15/06	2/16/06	3/21/06	3/21/06	3/22/06	4/11/06	4/12/06	5/16/06	5/17/06
	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-3	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQ-1	EQBLK-1	EQ-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-2	EQBLK-1	EQBLK-2	EQBLK-1	EQBLK-2
Total Dichlorobiphenyls (Congeners)	ND (49.5)	—	ND (49.2)	—	ND (47.9)	67.3 B	ND (49.3)	ND (49.6)	ND (58.3)	ND (51.8)	ND (56.1)	ND (53.1)	ND (49.8)	ND (51)	ND (50.4)	—	ND (53.2)	—	—	ND (53)	ND (53.2)	ND (48.3)	ND (57.4)	—	ND (60.3)	ND (53.8)	ND (48.1)	ND (106)	ND (108)
Total Heptachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	ND (47.9)	ND (24.8)	ND (24.7)	ND (24.8)	ND (29.2)	ND (25.9)	ND (28)	ND (26.5)	ND (24.9)	ND (25.5)	ND (25.2)	—	ND (26.6)	—	———	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	ND (30.2)	43.2	ND (24.1)	ND (53.1)	ND (54.2)
Total Hexachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	ND (47.9)B	ND (24.8)	ND (24.7)	ND (24.8)	ND (29.2)B	ND (25.9)B	ND (28)	ND (26.5)	83.1 B	ND (25.5)	ND (25.2)	—	ND (26.6)	—	—	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	ND (30.2)	64.9 B	ND (24.1)	ND (53.1)	ND (54.2)
Total Monochlorobiphenyls (Congeners)	ND (49.5)	—	82.3 B	—	ND (23.9)	ND (24.8)	ND (24.7)	27.8 B	34.4 B	32 B	**36.8**	**38.4**	36 B	ND (25.5)	**25.2**	---	ND (26.6)	—	—	ND (26.5)	**38**	ND (24.2)	35.1 B	—	ND (30.2)	ND (26.9)	ND (24.1)	ND (53.1)	ND (54.2)
Total Nonachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	ND (47.9)	ND (24.8)	ND (24.7)	ND (24.8)	ND (29.2)	ND (25.9)	ND (28)	ND (26.5)	ND (24.9)	ND (25.5)	ND (25.2)	—	ND (26.6)	—	———	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	ND (30.2)	ND (26.9)	ND (24.1)	ND (53.1)	ND (54.2)
Total Octachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	ND (47.9)	ND (24.8)	ND (24.7)	ND (24.8)	ND (29.2)	ND (25.9)	ND (28)	ND (26.5)	ND (24.9)	ND (25.5)	ND (25.2)	—	ND (26.6)	—	———	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	ND (30.2)	ND (26.9)	ND (24.1)	ND (53.1)	ND (54.2)
Total PCB (Congeners)	ND (49.5)	—	441 B	---	5040 B	495 B	31.3 B	31 B	111 B	40.2 B	**47.3**	**38.4**	8850 B	171 B	**57.1**	---	**340**	---	———	59.9 B	**130**	ND (48.3)	210B	---	**2430**	367 B	32.8 B	**10.9**	<NS
Total Pentachlorobiphenyls (Congeners)	ND (49.5)	—	ND (24.6)	—	**1050**	ND (24.8)	ND (24.7)	ND (24.8)	ND (32.6)	ND (25.9)	ND (28)	ND (26.5)	**1490**	ND (25.5)	ND (25.2)	—	ND (26.6)	—	—	ND (26.5)	ND (26.6)	ND (24.2)	ND (28.7)	—	**192**	**18.1**	ND (24.1)	ND (53.1)	ND (54.2)
Total Tetrachlorobiphenyls (Congeners)	ND (49.5)	—	136 B	---	2950 B	**213**	ND (24.7)	ND (24.8)	**35.7**	ND (25.9)	ND (28)	ND (26.5)	**5900**	106	ND (25.2)	—	**239**	---	—	26.9 B	**61.1**	ND (24.2)	**138**	---	**1570**	103 B	5.19 B	ND (53.1)	ND (54.2)
Total Trichlorobiphenyls (Congeners)	ND (49.5)	—	223 B	---	**1000**	211 B	**25.9**	ND (24.8)	**32.3**	ND (25.9)	ND (28)	ND (26.5)	**1340**	**65**	**31.9**	---	**101**	---	—	28.1 B	**31**	ND (24.2)	**32**	---	**659**	**138**	**27.6**	ND (53.1)	ND (54.2)
SVOCs (ug/L)																													
Hexachlorobenzene	ND(1)	ND(1)	—	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)	———	ND(1)	———	ND (1)	ND (0.9)	ND(1)	ND (1)	ND (1)	ND (1)	ND (1)	———	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND(1)	ND(1)	—	ND (1)	ND (1)	ND (1)	ND (1)	ND(1)	ND (1)	ND (1)	ND(1)	ND (1)	ND(1)	ND (1)	———	ND (1)	———	ND (1)	ND (0.9)	ND(1)	ND (1)	ND (1)	ND (1)	ND (1)	———	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	ND (2)J	ND (2)J	—	ND (2)	ND (5)	ND (2)J	ND (2)J	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	———	ND (2)	———	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	———	ND (2)	ND (2)	ND (2)	ND (2)
Pentachlorobenzene	ND (2)	ND (2)	—	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	———	ND (2)	———	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	ND (2)	———	ND (2)	ND (2)	ND (2)	ND (2)

B = Blank Contamination
BOLD = Analyte detected above MDL and not 'B' flagged
J = Estimated Concentration
ND = Not Detected

Appendix B
Groundwater Analytical Results: Pcbs, Dioxin Teqs, Semi-Volatile Organic Compounds And Metals (May 2007 - October 2025)

Appendix B. Groundwater Analytical Results: Pcbs, Dioxin Teqs, Semi-Volatile Organic Compounds And Metals (May 2007 - October 2009)

Table B-1.Groundwater Concentrations: MW-1

Sample Date	5/14/2007	8/20/2007	11/10/2008	5/27/2009	10/20/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	**0.146**	**0.00217**	ND	**0.019**	NA
TEQ (2005 WHO TEFs)	**0.229**	**0.00573**	ND	**0.0453**	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.228)	ND (1.03)	ND (0.918)	ND (0.788)	NA
1,2,3,7,8-PECDD	ND (0.548)	ND (1.39)	ND (0.902)	ND (0.826)	NA
1,2,3,4,7,8-HXCDD	ND (0.522)	ND (1.1)	ND (1.43)	ND (1.08)	NA
1,2,3,6,7,8-HXCDD	ND (0.519)	ND (1.18)	ND (1.49)	ND (1.22)	NA
1,2,3,7,8,9-HXCDD	ND (0.561)	ND (1.14)	ND (1.66)	ND (1.29)	NA
1,2,3,4,6,7,8-HPCDD	**10.3 B**	ND (2.09)	ND (3.32)	**0.582**	NA
OCDD	**418 B**	**18.8 J**	ND (4.27)	**15.7**	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.224)	ND (0.537)	ND (0.35)	ND (0.403)	NA
1,2,3,7,8-PECDF	ND (0.534)	ND (1.26)	ND (0.665)	ND (0.634)	NA
2,3,4,7,8-PECDF	ND (0.508)	ND (1.09)	ND (0.578)	ND (0.541)	NA
1,2,3,4,7,8-HXCDF	ND (0.147)	ND (0.283)	ND (0.512)	ND (0.432)	NA
1,2,3,6,7,8-HXCDF	ND (0.13)	ND (0.318)	ND (0.502)	ND (0.408)	NA
1,2,3,7,8,9-HXCDF	ND (0.211)	ND (0.525)	ND (0.707)	ND (0.602)	NA

Sample Date	5/14/2007	8/20/2007	11/10/2008	5/27/2009	10/20/2009
2,3,4,6,7,8-HXCDF	ND (0.162)	ND (0.397)	ND (0.495)	ND (0.428)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.826)	ND (0.565)	ND (1.39)	ND (1.37)	NA
1,2,3,4,7,8,9-HPCDF	ND (1.26)	ND (0.997)	ND (2.11)	ND (1.76)	NA
OCDF	ND (2.83)	ND (2.72)	ND (5.99)	ND (4.07)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	0.74 J	0.85 J	11.3	7.1	11.2 B
Manganese	5310	6220	5990	6590	5570
Thallium	0.13 J	0.17 J	ND (0.15)	0.18 J	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB77	ND (2.01)	ND (1.12)	ND (3.21)	ND (0.986)	NA
PCB 81	ND (2.13)	ND (1.08)	ND (3.13)	ND (0.948)	NA
PCB 105	**5.15**	ND (0.891)	ND (1.99)	**1.38**	NA
PCB-106	ND (1.86)	ND (0.81)	ND (2.05)	ND (0.658)	NA
PCB-118	**9.63**	**2.91 B**	ND (1.79)	**1.89**	NA
PCB 114	ND (1.97)	ND (0.888)	ND (1.86)	ND (0.632)	NA
PCB 123	ND (1.91)	ND (0.857)	ND (1.92)	ND (0.644)	NA
PCB 126	ND (2.27)	ND (0.825)	ND (2.18)	ND (0.581)	NA
PCB 156/157	ND (2.54)	ND (1.19)	ND (2.8)	ND (0.839)	NA
PCB 167	3.65	ND (0.89)	ND (2.17)	ND (0.622)	NA
PCB 169	ND (2.46)	ND (1.1)	ND (2.89)	1.16	NA
PCB 189	ND (2.25)	ND (1.02)	ND (2.14)	ND (0.653)	NA

Sample Date	5/14/2007	8/20/2007	11/10/2008	5/27/2009	10/20/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (1.9)	ND (0.946)	ND (2.2)	ND (0.495)	NA
Total Dichlorobiphenyls (Congener Sum)	53.1 B	10B	11 B	13.1 B	NA
Total Trichlorobiphenyls (Congener Sum)	23.5 B	6.09 B	27.8 B	9.21 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	32.7 B	18.7 B	63.2 B	5.85 B	NA
Total Pentachlorobiphenyls (Congener Sum)	44.3 B	23.4 B	13.2B	7.71 B	NA
Total Hexachlorobiphenyls (Congener Sum)	60.1 B	7B	ND (2.32)	6B	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (1.99)	ND (0.938)	ND (1.82)	2.51 B	NA
Total Octachlorobiphenyls (Congener Sum)	ND (1.66)	ND (0.806)	ND (2.17)	1.58 B	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (3.05)	ND (2.7)	ND (5.77)	ND (1.48)	NA
Total Decachlorobiphenyls[a]	ND (2)	ND (1.01)	ND (3.97)	1.47 B	NA
Total PCB (Congener Sum) (ND=0)	264 B	65 B	115 B	47 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	409 B	147 B	298 B	97 B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (0.9)	ND (1)	ND(1)	ND(1)	ND(1)
Hexachlorobutadiene	ND (0.9)	ND(1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a]: PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC = Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND: Not Detected
NA = Not Analyzed

Table B-2.Groundwater Concentrations: MW-2

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.035	0.00043	ND	0.0096	NA
TEQ (2005 WHO TEFs)	0.043	0.00013	ND	0.0116	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	2.97	ND (1.13)	ND (2.36)	0.87	NA
1,2,3,7,8-PECDD	ND (1.08)	ND (0.608)	ND (0.621)	ND (1.32)	NA
1,2,3,4,7,8-HXCDD	ND (1.12)	ND (0.667)	ND (0.668)	ND (1.45)	NA
1,2,3,6,7,8-HXCDD	ND (1.2)	ND (0.652)	ND (0.7)	ND (1.55)	NA
1,2,3,7,8,9-HXCDD	ND (0.943)	ND (1.01)	ND (1.33)	ND (0.789)	NA
1,2,3,4,6,7,8-HPCDD	ND (0.201)	ND (0.203)	ND (0.483)	ND (0.617)	NA
OCDD	44.4	ND (5)	ND (4.46)	9.51	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.971)	ND (0.591)	ND (1.01)	ND (0.482)	NA
1,2,3,7,8-PECDF	ND (1.54)	ND (0.978)	ND (1.4)	ND (0.729)	NA
2,3,4,7,8-PECDF	ND (0.171)	ND (0.221)	ND (0.572)	ND (0.33)	NA
1,2,3,4,7,8-HXCDF	ND (0.155)	ND (0.237)	ND (0.572)	ND (0.316)	NA
1,2,3,6,7,8-HXCDF	ND (0.25)	ND (0.375)	ND (0.839)	ND (0.455)	NA
1,2,3,7,8,9-HXCDF	ND (0.566)	ND (1.43)	ND (0.504)	ND (0.787)	NA
2,3,4,6,7,8-HXCDF	ND (0.192)	ND (0.288)	ND (0.573)	ND (0.333)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.524)	ND (1.14)	ND (0.417)	ND (0.735)	NA

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
1,2,3,4,7,8,9-HPCDF	ND (0.244)	ND (0.301)	ND (0.403)	ND (0.705)	NA
OCDF	ND (1.79)	ND (2.64)	ND (4.75)	ND (1.69)	NA
Metals (ug/L)					
Antimony	ND (96.6)	ND (97)	ND (97)	ND (48.5)	ND (48.5)
Arsenic	ND (99.9)	17.2	343	162	287
Manganese	164000	137000	139000	135000	123000
Thallium	0.78 J	0.95	0.84	0.87	ND (70)
Dioxin-like PCB congeners (pg/L)					
PCB77	ND (2.9)	ND (1.22)	ND (1.93)	ND (1.21)	NA
PCB81	ND (2.78)	ND (1.12)	ND (1.88)	ND (1.13)	NA
PCB105	ND (2.35)	1.55 B	ND (1.05)	ND (0.705)	NA
PCB-106	ND (2.29)	ND (0.92)	ND (1.16)	ND (0.7)	NA
PCB-118	**9.52**	2.72 B	ND (0.983)	**1.11**	NA
PCB114	ND (2.48)	ND (0.971)	ND (1.04)	ND (0.671)	NA
PCB123	ND (2.35)	ND (0.972)	ND (1.08)	ND (0.686)	NA
PCB126	ND (2.69)	ND (0.999)	ND (1.12)	ND (0.822)	NA
PCB156/157	ND (3.35)	ND (0.977)	ND (1.42)	ND (1.16)	NA
PCB167	ND (2.47)	ND (0.721)	ND (1.12)	ND (0.859)	NA
PCB169	ND (2.96)	ND (0.971)	ND (1.69)	ND (0.993)	NA
PCB189	ND (2.49)	ND (0.967)	ND (1.4)	ND (0.925)	NA

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (2.9)	ND (0.924)	ND (2.04)	ND (1.01)	NA
Total Dichlorobiphenyls (Congener Sum)	47.5 B	29.6 B	25.7 B	15.2 B	NA
Total Trichlorobiphenyls (Congener Sum)	ND (2.47)	ND (0.983)	2.14	ND (0.942)	NA
Total Tetrachlorobiphenyls (Congener Sum)	67.5 B	8.84 B	6.37 B	4.3 B	NA
Total Pentachlorobiphenyls (Congener Sum)	5.53	20.6 J	22.1 B	19.5	NA
Total Hexachlorobiphenyls (Congener Sum)	ND (4.46)	ND (2.93)	ND (4.07)	ND (1.88)	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (2.46)	ND (0.862)	ND (1.35)	ND (0.927)	NA
Total Octachlorobiphenyls (Congener Sum)	29.4 B	19.3 B	ND (1.05)	5.99 B	NA
Total Nonachlorobiphenyls (Congener Sum)	27.3 B	16.8B	9B	14B	NA
Total Decachlorobiphenyls[a]	19.9 B	7.33 B	12.5B	10.8 B	NA
Total PCB (Congener Sum) (ND=0)	245.6 B	102 B	78 B	70 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	453.1 B	185 B	192B	132B	NA
SVOCs (ug/L)					
Hexachlorobenzene	ND (1)	ND(1)R	ND(1)R	ND (0.9) R	ND (0.9) R
Hexachlorobutadiene	ND (1)	ND(1)R	ND(1)R	ND (0.9) R	ND (0.9) R
Octachlorostyrene	NA	NA	NA	NA	ND(2)R
Pentachlorobenzene	NA	NA	NA	NA	ND(2)R

Results are total concentrations in water, except those from November 2008, which are dissolved

[a]: PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMP = Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND: Not Detected
NA = Not Analyzed

Table B-3.Groundwater Concentrations: MW-3

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.006	0.00080	ND	0.0128	NA
TEQ (2005 WHO TEFs)	0.013	0.00024	ND	0.0149	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.318)	ND (0.869)	ND (1.16)	ND (0.977)	NA
1,2,3,7,8-PECDD	ND (0.546)	ND (0.798)	ND (1.82)	ND (0.312)	NA
1,2,3,4,7,8-HXCDD	ND (0.922)	ND (0.77)	ND (1.56)	ND (1.05)	NA
1,2,3,6,7,8-HXCDD	ND (0.933)	ND (0.844)	ND (1.77)	ND (1.11)	NA
1,2,3,7,8,9-HXCDD	ND (0.965)	ND (0.822)	ND (1.83)	ND (1.27)	NA
1,2,3,4,6,7,8-HPCDD	ND (2.19)	ND (1.06)	ND (2.39)	1.17	NA
OCDD	41.7	ND (3.53)	ND (6.34)	10.7	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.419)	ND (0.296)	ND (0.423)	ND (0.479)	NA
1,2,3,7,8-PECDF	ND (0.585)	ND (1.26)	ND (0.487)	ND (0.705)	NA
2,3,4,7,8-PECDF	ND (0.549)	ND (1.11)	ND (0.431)	ND (0.599)	NA
1,2,3,4,7,8-HXCDF	ND (0.174)	ND (0.203)	ND (0.438)	ND (0.366)	NA
1,2,3,6,7,8-HXCDF	ND (0.168)	ND (0.215)	ND (0.42)	ND (0.337)	NA
1,2,3,7,8,9-HXCDF	ND (0.253)	ND (0.359)	ND (0.587)	ND (0.504)	NA
2,3,4,6,7,8-HXCDF	ND (0.187)	ND (0.279)	ND (0.423)	ND (0.341)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.451)	ND (0.539)	ND (0.182)	ND (0.504)	NA

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
1,2,3,4,7,8,9-HPCDF	ND (0.678)	ND (0.871)	ND (0.302)	ND (0.665)	NA
OCDF	ND (4.03)	ND (2.91)	ND (11)	ND (2.31)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (48.5)	50.1 J
Arsenic	ND (0.67)	ND (0.7)	3.3	4.4	ND (9.5)
Manganese	11300	12100	16200	15700	18600
Thallium	0.13J	ND (0.037)	0.21 J	0.49 J	ND (70)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (3.52)	ND (1.27)	ND (1.98)	ND (1.22)	NA
PCB 81	ND (3.48)	ND (1.25)	ND (1.98)	ND (1.15)	NA
PCB 105	4.39	2.64 B	ND (1.39)	ND (0.853)	NA
PCB-106	ND (2.78)	ND (0.914)	ND (1.52)	ND (0.903)	NA
PCB-118	9.67	5.33 B	ND (1.27)	2.33	NA
PCB 114	ND (2.93)	ND (0.998)	ND (1.28)	ND (0.868)	NA
PCB 123	ND (2.86)	ND (0.971)	ND (1.42)	ND (0.886)	NA
PCB 126	ND (2.84)	ND (1.33)	ND (1.45)	ND (1)	NA
PCB 156/157	ND (3.7)	ND (1.2)	ND (1.89)	ND (1.3)	NA
PCB 167	ND (2.65)	ND (0.881)	ND (1.41)	ND (0.954)	NA
PCB 169	ND (3.55)	ND (1.13)	ND (2.12)	ND (1.14)	NA
PCB 189	ND (3)	ND (0.99)	ND (1.65)	ND (1.09)	NA

Sample Date	5/15/2007	8/20/2007	11/11/2008	5/27/2009	10/20/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (2.72)	ND (1.04)	ND (1.93)	ND (0.738)	NA
Total Dichlorobiphenyls (Congener Sum)	52.7 B	11.6 B	9.77 B	14.9 B	NA
Total Trichlorobiphenyls (Congener Sum)	ND (9.16)	4.87 B	7.4 B	8.91 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	36 B	20.3 B	6.79 B	13.2 B	NA
Total Pentachlorobiphenyls (Congener Sum)	50.8 B	35.9 B	ND (1.33)	7.26 B	NA
Total Hexachlorobiphenyls (Congener Sum)	58.1 B	14.5 B	ND (1.68)	6.02 B	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (3.04)	ND (1.05)	ND (1.83)	ND (1.21)	NA
Total Octachlorobiphenyls (Congener Sum)	ND (2.36)	ND (0.941)	ND (1.63)	ND (1.19)	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (3.88)	ND (2.98)	ND (5.46)	ND (2.49)	NA
Total Decachlorobiphenyls[a]	ND (3.21)	ND (0.999)	ND (2.75)	ND (1.36)	NA
Total PCB (Congener Sum) (ND=0)	233 B	87 B	24 B	50 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	503 B	178B	179B	128B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND(1)	ND(1)R	ND (1) UJ	ND(1)	ND(1)R
Hexachlorobutadiene	ND (1)	ND(1)R	ND (1)	ND (1)	ND(1)R
Octachlorostyrene	NA	NA	NA	NA	ND(2)R
Pentachlorobenzene	NA	NA	NA	NA	ND(2)R

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC - Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND: Not Detected
NA = Not Analyzed

Table B-4.Groundwater Concentrations: MW-4

Sample Date	5/15/2007	8/20/2007	11/12/2008	5/28/2009	10/21/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.005	0.00145	ND	0.0004	NA
TEQ (2005 WHO TEFs)	0.011	0.00214	ND	0.0013	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.181)	ND (0.646)	ND (0.779)	ND (0.941)	NA
1,2,3,7,8-PECDD	ND (0.527)	ND (1.05)	ND (0.355)	ND (1.54)	NA
1,2,3,4,7,8-HXCDD	ND (0.794)	ND (1.01)	ND (2.51)	ND (1.61)	NA
1,2,3,6,7,8-HXCDD	ND (0.803)	ND (1.06)	ND (2.81)	ND (1.89)	NA
1,2,3,7,8,9-HXCDD	ND (0.825)	ND (0.986)	ND (3.17)	ND (1.98)	NA
1,2,3,4,6,7,8-HPCDD	ND (0.866)	ND (0.99)	ND (3.05)	ND (2.21)	NA
OCDD	34.2	6.3	ND (7.66)	4.42	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.548)	ND (0.455)	ND (0.36)	ND (0.966)	NA
1,2,3,7,8-PECDF	ND (0.709)	ND (1.58)	ND (0.75)	ND (0.851)	NA
2,3,4,7,8-PECDF	ND (0.672)	ND (1.3)	ND (0.657)	ND (0.825)	NA
1,2,3,4,7,8-HXCDF	ND (0.165)	ND (0.49)	ND (0.383)	ND (0.661)	NA
1,2,3,6,7,8-HXCDF	ND (0.158)	ND (0.509)	ND (0.388)	ND (0.565)	NA
1,2,3,7,8,9-HXCDF	ND (0.254)	ND (0.789)	ND (0.556)	ND (0.9)	NA
2,3,4,6,7,8-HXCDF	ND (0.187)	ND (0.646)	ND (0.397)	ND (0.575)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.634)	ND (0.481)	ND (2.62)	ND (0.84)	NA

Sample Date	5/15/2007	8/20/2007	11/12/2008	5/28/2009	10/21/2009
1,2,3,4,7,8,9-HPCDF	ND (0.993)	ND (0.87)	ND (3.67)	ND (1.14)	NA
OCDF	ND (3.41)	ND (1.67)	ND (7.25)	ND (2.22)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.67)	ND (0.7)	ND (0.95)	ND (0.95)	ND (1.9)
Manganese	**1330**	**1340**	**1410 J**	**1520**	**1620**
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (2.68)	ND (1.29)	ND (2.91)	ND (1.21)	NA
PCB 81	ND (2.67)	ND (1.28)	ND (2.73)	ND (1.18)	NA
PCB 105	6.13	3.03 B	ND (1.69)	1.69	NA
PCB-106	ND (2.1)	ND (1.15)	ND (1.96)	ND (0.824)	NA
PCB-118	12	5.21 B	ND (1.63)	2.22	NA
PCB 114	ND (2.24)	ND (1.2)	ND (1.57)	ND (0.76)	NA
PCB 123	ND (2.15)	ND (1.22)	ND (1.82)	ND (0.806)	NA
PCB 126	ND (2.66)	ND (1.04)	ND (2.03)	ND (0.958)	NA
PCB 156/157	ND (2.43)	ND (1.35)	ND (2.28)	ND (1.32)	NA
PCB 167	ND (1.84)	ND (1)	ND (1.85)	ND (1.02)	NA
PCB 169	ND (2.5)	ND (1.23)	ND (2.69)	ND (1.13)	NA
PCB 189	ND (2.8)	ND (0.99)	ND (2)	ND (1.03)	NA

Sample Date	5/15/2007	8/20/2007	11/12/2008	5/28/2009	10/21/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (2)	ND (1.13)	ND (2.31)	ND (0.619)	NA
Total Dichlorobiphenyls (Congener Sum)	40 B	10.5 B	14.3 B	20.1 B	NA
Total Trichlorobiphenyls (Congener Sum)	22.5 B	2.52 B	12.3B	6.81 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	32.5 B	23.9 B	4.52 B	13.2B	NA
Total Pentachlorobiphenyls (Congener Sum)	77.7 B	38.4 B	2.51 B	9.81 B	NA
Total Hexachlorobiphenyls (Congener Sum)	96.6 B	17.6B	ND (2.06)	7.53 B	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (2.36)	3.85 B	ND (2.15)	3.22 B	NA
Total Octachlorobiphenyls (Congener Sum)	ND (1.85)	2.47 J	ND (2.06)	ND (1.13)	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (3.51)	ND (3.04)	ND (6.05)	ND (2.5)	NA
Total Decachlorobiphenyls[a]	ND (2.11)	ND (1.11)	ND (3.17)	ND (1.29)	NA
Total PCB (Congener Sum) (ND=0)	299 B	99 B	34 B	61 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	481 B	197B	210B	134B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (1)	ND (1)	ND(1)	ND(1)UJ	ND (1)
Hexachlorobutadiene	ND(1)	ND(1)	ND (1)	ND (1)	ND(1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC = Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND = Not Detected
NA = Not Analyzed

Table B-5.Groundwater Concentrations: MW-5

Sample Date	5/15/2007	8/21/2007	11/12/2008	5/28/2009	10/21/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.002	0.00311	ND	0.0143	NA
TEQ (2005 WHO TEFs)	0.003	0.00326	ND	0.0248	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.224)	ND (0.317)	ND (0.832)	ND (0.994)	NA
1,2,3,7,8-PECDD	ND (0.477)	ND (0.522)	ND (1.62)	ND (0.85)	NA
1,2,3,4,7,8-HXCDD	ND (0.631)	ND (0.606)	ND (2.24)	ND (1.32)	NA
1,2,3,6,7,8-HXCDD	ND (0.647)	ND (0.616)	ND (2.27)	ND (1.36)	NA
1,2,3,7,8,9-HXCDD	ND (0.698)	ND (0.57)	ND (2.7)	ND (1.61)	NA
1,2,3,4,6,7,8-HPCDD	ND (1.11)	ND (0.823)	ND (4.81)	0.897	NA
OCDD	9.26	9.6	ND (6.99)	52.9	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.22)	ND (0.299)	ND (0.769)	ND (0.647)	NA
1,2,3,7,8-PECDF	ND (0.567)	ND (0.468)	ND (1.81)	ND (0.433)	NA
2,3,4,7,8-PECDF	ND (0.551)	ND (0.421)	ND (1.62)	ND (0.375)	NA
1,2,3,4,7,8-HXCDF	ND (0.16)	ND (0.598)	ND (1.73)	ND (0.639)	NA
1,2,3,6,7,8-HXCDF	ND (0.149)	ND (0.595)	ND (1.66)	ND (0.552)	NA
1,2,3,7,8,9-HXCDF	ND (0.244)	ND (0.947)	ND (2.6)	ND (0.886)	NA
2,3,4,6,7,8-HXCDF	ND (0.174)	ND (0.737)	ND (1.83)	ND (0.606)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.625)	ND (0.475)	ND (1.39)	ND (0.446)	NA

Sample Date	5/15/2007	8/21/2007	11/12/2008	5/28/2009	10/21/2009
1,2,3,4,7,8,9-HPCDF	ND (0.926)	ND (0.816)	ND (2.03)	ND (0.606)	NA
OCDF	ND (1.94)	ND (1.1)	ND (7.39)	ND (4.51)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	22.7	ND (48.5)
Arsenic	ND (0.67)	ND (0.7)	ND (0.95)	ND (0.95)	ND (9.5)
Manganese	16900	13400	20300	18200	21700
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (70)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (1.43)	ND (1.16)	ND (1.84)	ND (1.52)	NA
PCB 81	ND (1.49)	ND (1.18)	ND (1.78)	ND (1.47)	NA
PCB 105	4.75	3.74 B	ND (1.09)	11	NA
PCB-106	ND (1.61)	ND (0.967)	ND (1.21)	ND (0.957)	NA
PCB-118	10.3	6.78 B	ND (1.03)	19	NA
PCB 114	ND (1.58)	ND (1.09)	ND (1.03)	ND (0.853)	NA
PCB 123	ND (1.65)	ND (1.04)	ND (1.12)	ND (0.939)	NA
PCB 126	ND (1.9)	ND (1.23)	ND (1.24)	ND (0.898)	NA
PCB 156/157	ND (2.28)	2.2 B	ND (1.6)	3.4	NA
PCB 167	2.85	ND (1.06)	ND (1.23)	ND (0.963)	NA
PCB 169	ND (2.25)	ND (1.27)	ND (2.03)	ND (1.1)	NA
PCB 189	ND (1.86)	ND (1.07)	ND (1.28)	ND (1.05)	NA

Sample Date	5/15/2007	8/21/2007	11/12/2008	5/28/2009	10/21/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	3.64	ND (1.14)	3.31 B	ND (0.624)	NA
Total Dichlorobiphenyls (Congener Sum)	43.8 B	4.77 B	18.4B	13.6B	NA
Total Trichlorobiphenyls (Congener Sum)	17.6B	2.95 B	14B	6.85 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	44.5 B	26.6 B	13.4B	32.4 B	NA
Total Pentachlorobiphenyls (Congener Sum)	41.9 B	55.7 B	9.98 B	115 B	NA
Total Hexachlorobiphenyls (Congener Sum)	85.5 B	16.7 B	ND (1.44)	71.2 B	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (1.72)	2.14B	ND (1.41)	14.3 B	NA
Total Octachlorobiphenyls (Congener Sum)	ND (1.51)	ND (1.14)	ND (1.33)	4.85 B	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (2.92)	ND (3.43)	ND (4.38)	ND (2.74)	NA
Total Decachlorobiphenyls[a]	ND (1.58)	ND (1.24)	ND (2.24)	5.48	NA
Total PCB (Congener Sum) (ND=0)	308.5 B	109 B	59 B	264 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	435.9 B	206 B	169 B	329 B	NA
SVOCs (ug/L)					
Hexachlorobenzene	ND(1)	ND (1) R	ND(1)R	ND (1) R	ND(1)R
Hexachlorobutadiene	ND (1)	ND (1) R	ND(1)R	ND (1) R	ND(1)R
Octachlorostyrene	NA	NA	NA	NA	ND(2)R
Pentachlorobenzene	NA	NA	NA	NA	ND(2)R

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B[1] flagged
EMPC = Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND: Not Detected
NA = Not Analyzed

Table B-6.Groundwater Concentrations: MW-6

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/28/2009	10/21/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.002	0.00035	ND	0.00046	NA
TEQ (2005 WHO TEFs)	0.004	0.00010	ND	0.0014	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.288)	ND (0.554)	ND (0.616)	ND (0.69)	NA
1,2,3,7,8-PECDD	ND (0.672)	ND (1.74)	ND (0.431)	ND (1.48)	NA
1,2,3,4,7,8-HXCDD	ND (1.1)	ND (1.98)	ND (1.65)	ND (1.25)	NA
1,2,3,6,7,8-HXCDD	ND (1.08)	ND (2.21)	ND (1.89)	ND (1.42)	NA
1,2,3,7,8,9-HXCDD	ND (1.24)	ND (1.93)	ND (1.96)	ND (1.42)	NA
1,2,3,4,6,7,8-HPCDD	ND (1.28)	ND (1.04)	ND (4.01)	ND (1.72)	NA
OCDD	11	ND (3.55)	ND (2.92)	4.51	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.292)	ND (0.465)	ND (0.417)	ND (0.726)	NA
1,2,3,7,8-PECDF	ND (0.929)	ND (1.07)	ND (1.15)	ND (0.495)	NA
2,3,4,7,8-PECDF	ND (0.863)	ND (0.962)	ND (1.03)	ND (0.485)	NA
1,2,3,4,7,8-HXCDF	ND (0.94)	ND (0.239)	ND (0.729)	ND (0.445)	NA
1,2,3,6,7,8-HXCDF	ND (0.898)	ND (0.281)	ND (0.76)	ND (0.41)	NA
1,2,3,7,8,9-HXCDF	ND (1.5)	ND (0.437)	ND (1.11)	ND (0.661)	NA
2,3,4,6,7,8-HXCDF	ND (1.04)	ND (0.342)	ND (0.809)	ND (0.424)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.654)	ND (0.282)	ND (0.432)	ND (0.545)	NA

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/28/2009	10/21/2009
1,2,3,4,7,8,9-HPCDF	ND (0.938)	ND (0.484)	ND (0.668)	ND (0.734)	NA
OCDF	ND (2.31)	ND (1.06)	ND (4.3)	ND (2.5)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	2.4 B
Manganese	181	133	148	141	158
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (1.67)	ND (1.17)	ND (2.84)	ND (0.941)	NA
PCB 81	ND (1.76)	ND (1.19)	ND (2.73)	ND (0.89)	NA
PCB 105	4.39	ND (1.22)	ND (1.79)	ND (0.765)	NA
PCB-106	ND (1.36)	ND (1.12)	ND (2)	ND (0.778)	NA
PCB-118	8.24	3.46 B	ND (1.7)	1.76	NA
PCB 114	ND (1.39)	ND (1.22)	ND (1.74)	ND (0.733)	NA
PCB 123	ND (1.4)	ND (1.2)	ND (1.86)	ND (0.761)	NA
PCB 126	ND (1.57)	ND (1.33)	ND (2.13)	ND (0.776)	NA
PCB 156/157	ND (1.92)	ND (1.54)	ND (2.01)	ND (1.03)	NA
PCB 167	3.68	ND (1.16)	ND (1.48)	ND (0.797)	NA
PCB 169	ND (1.76)	ND (1.32)	ND (2.36)	ND (0.915)	NA
PCB 189	ND (1.52)	ND (0.903)	ND (1.83)	ND (0.772)	NA

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/28/2009	10/21/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	5.63 B	ND (1.14)	ND (2.06)	ND (0.652)	NA
Total Dichlorobiphenyls (Congener Sum)	40.7 B	6.99 B	15.1 B	6.99 B	NA
Total Trichlorobiphenyls (Congener Sum)	22.7 B	1.99 B	17.1 B	3.31 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	30.1 B	15.2 B	43.7 B	ND (0.9)	NA
Total Pentachlorobiphenyls (Congener Sum)	54.3 B	20.9 B	13.2B	4.88 B	NA
Total Hexachlorobiphenyls (Congener Sum)	76.9 B	5.84 B	ND (1.81)	4.21 B	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (1.7)	ND (1.14)	ND (1.83)	ND (0.892)	NA
Total Octachlorobiphenyls (Congener Sum)	ND (1.43)	ND (1.07)	ND (1.82)	ND (0.871)	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (2.32)	ND (3.06)	ND (5.63)	ND (2.14)	NA
Total Decachlorobiphenyls[a]	2.19	ND (1.09)	ND (3.3)	ND (1.09)	NA
Total PCB (Congener Sum) (ND=0)	272.8 B	51 B	89 B	19B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	409.5 B	156B	247 B	88 B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (1)	ND (0.9)	ND(1)	ND(1)UJ	ND (0.9)
Hexachlorobutadiene	ND(1)	ND (0.9)	ND (1)	ND (1)	ND (0.9)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC = Estimated Maximum Potential Concentration

J = Analyte present. Reported concentration may not be accurate or precise ND: Not Detected
NA = Not Analyzed

Table B-7.Groundwater Concentrations: MW-7

Sample Date	5/16/2007	8/20/2007	11/13/2008	5/28/2009	10/21/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.002	0.00029	ND	0.0083	NA
TEQ (2005 WHO TEFs)	0.003	0.00009	ND	0.0098	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (1.34)	ND (1.72)	ND (0.59)	0.75	NA
1,2,3,7,8-PECDD	ND (0.658)	ND (0.643)	ND (0.356)	ND (1.02)	NA
1,2,3,4,7,8-HXCDD	ND (0.639)	ND (0.694)	ND (0.382)	ND (1.13)	NA
1,2,3,6,7,8-HXCDD	ND (0.701)	ND (0.677)	ND (0.379)	ND (1.18)	NA
1,2,3,7,8,9-HXCDD	ND (0.705)	ND (0.751)	ND (0.654)	ND (0.653)	NA
1,2,3,4,6,7,8-HPCDD	ND (0.377)	ND (0.625)	ND (0.498)	ND (0.682)	NA
OCDD	7.21	ND (5)	ND (1.75)	6.65	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.518)	ND (0.294)	ND (0.456)	ND (0.182)	NA
1,2,3,7,8-PECDF	ND (0.83)	ND (0.519)	ND (0.695)	ND (0.249)	NA
2,3,4,7,8-PECDF	ND (0.255)	ND (0.204)	ND (0.369)	ND (0.256)	NA
1,2,3,4,7,8-HXCDF	ND (0.244)	ND (0.211)	ND (0.373)	ND (0.22)	NA
1,2,3,6,7,8-HXCDF	ND (0.4)	ND (0.358)	ND (0.459)	ND (0.341)	NA
1,2,3,7,8,9-HXCDF	ND (0.621)	ND (0.467)	ND (0.331)	ND (0.361)	NA
2,3,4,6,7,8-HXCDF	ND (0.296)	ND (0.269)	ND (0.401)	ND (0.259)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.606)	ND (0.401)	ND (0.318)	ND (0.338)	NA

Sample Date	5/16/2007	8/20/2007	11/13/2008	5/28/2009	10/21/2009
1,2,3,4,7,8,9-HPCDF	ND (0.264)	ND (0.373)	ND (0.215)	ND (0.376)	NA
OCDF	ND (2.46)	ND (2.73)	ND (0.95)	0.953	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	2.6 B
Manganese	96.2	83.8	85.3	88.7	106
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (1.6)	ND (1.16)	ND (2.35)	ND (1.22)	NA
PCB 81	ND (1.73)	ND (1.16)	ND (2.24)	ND (1.22)	NA
PCB 105	3.57	ND (1.09)	ND (1.36)	0.86	NA
PCB-106	ND (1.41)	ND (0.996)	ND (1.47)	ND (0.833)	NA
PCB-118	7.74	2.9 B	2.84	1.28	NA
PCB 114	ND (1.52)	ND (1.01)	ND (1.32)	ND (0.779)	NA
PCB 123	ND (1.46)	ND (1.07)	ND (1.39)	ND (0.814)	NA
PCB 126	ND(1.87)	ND (1.07)	ND (1.52)	ND (0.691)	NA
PCB 156/157	ND (2.08)	ND (1.58)	ND (1.91)	ND (0.911)	NA
PCB 167	2.52	ND (1.18)	ND (1.42)	ND (0.704)	NA
PCB 169	ND (1.89)	ND (1.34)	ND (1.7)	ND (0.802)	NA
PCB 189	ND (1.46)	ND (1.28)	ND (1.39)	ND (0.852)	NA

Sample Date	5/16/2007	8/20/2007	11/13/2008	5/28/2009	10/21/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (1.23)	ND (1.35)	ND (2.49)	ND (1.06)	NA
Total Dichlorobiphenyls (Congener Sum)	66.6 B	12.7B	19.6 B	43.5 B	NA
Total Trichlorobiphenyls (Congener Sum)	ND (1.54)	ND (1.19)	ND (1.45)	1.74 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	41.4 B	8.58 B	ND (1.54)	3.78 B	NA
Total Pentachlorobiphenyls (Congener Sum)	20.4 B	ND (1.1)	ND (1.33)	ND (0.544)	NA
Total Hexachlorobiphenyls (Congener Sum)	ND (2.49)	ND (3)	ND (4.85)	ND (2.15)	NA
Total Heptachlorobiphenyls (Congener Sum)	ND (1.22)	ND (1.11)	ND (1.45)	ND (0.95)	NA
Total Octachlorobiphenyls (Congener Sum)	47 B	28 B	21.3B	7.01 B	NA
Total Nonachlorobiphenyls (Congener Sum)	38 B	20 B	63.2 B	5.02 B	NA
Total Decachlorobiphenyls[a]	21.4B	8.46 B	35.9 B	9.13B	NA
Total PCB (Congener Sum) (ND=0)	320.6 B	78 B	140 B	70 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	439.5 B	171 B	269 B	137B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1) UJ	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC = Estimated Maximum Potential Concentration
J = Analyte present. Reported concentration may not be accurate or precise

NA = Not Analyzed
NA = Not Analyzed
ND = Not Detected

Table B-8.Groundwater Concentrations: MW-8

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/29/2009	10/21/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ (1998 WHO TEFs)	0.077	0.00171	ND	0.0003	NA
TEQ (2005 WHO TEFs)	0.102	0.00277	ND	0.0009	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.344)	ND (0.444)	ND (0.465)	ND (1.41)	NA
1,2,3,7,8-PECDD	ND (1.02)	ND (1.31)	ND (1.57)	ND (1.26)	NA
1,2,3,4,7,8-HXCDD	ND (1.36)	ND (1.18)	ND (1.22)	ND (1.49)	NA
1,2,3,6,7,8-HXCDD	ND (1.42)	ND (1.23)	ND (1.48)	ND (1.6)	NA
1,2,3,7,8,9-HXCDD	ND (1.44)	ND (1.23)	ND (1.45)	ND (1.76)	NA
1,2,3,4,6,7,8-HPCDD	2.52	ND (0.9)	ND (2.33)	ND (1.25)	NA
OCDD	65.1	ND (5)	ND (4.57)	ND (3.79)	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.619)	ND (0.467)	ND (0.287)	ND (0.615)	NA
1,2,3,7,8-PECDF	ND (1.23)	ND (1.12)	ND (0.61)	ND (0.869)	NA
2,3,4,7,8-PECDF	ND (1.12)	ND (0.917)	ND (0.518)	ND (0.816)	NA
1,2,3,4,7,8-HXCDF	ND (0.666)	ND (0.273)	ND (0.386)	ND (0.442)	NA
1,2,3,6,7,8-HXCDF	ND (0.617)	ND (0.299)	ND (0.38)	ND (0.404)	NA
1,2,3,7,8,9-HXCDF	ND (1.05)	ND (0.504)	ND (0.587)	ND (0.59)	NA
2,3,4,6,7,8-HXCDF	ND (0.79)	ND (0.38)	ND (0.4)	ND (0.427)	NA
1,2,3,4,6,7,8-HPCDF	3.5	ND (2.5)	ND (0.835)	ND (1.78)	NA

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/29/2009	10/21/2009
1,2,3,4,7,8,9-HPCDF	ND (0.666)	ND (1.08)	ND (1.29)	ND (2.35)	NA
OCDF	71.9	8.35	ND (4.46)	3.09	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	3.4 B
Manganese	163	153	173	173	199
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB77	ND (1.53)	ND (1.44)	ND (2.29)	ND (1.67)	NA
PCB 81	ND (1.59)	ND (1.44)	ND (2.33)	ND (1.62)	NA
PCB 105	6.56	3.35 B	ND (1.45)	1.93	NA
PCB-106	ND (1.43)	ND (0.907)	ND (1.59)	ND (1.04)	NA
PCB-118	12.6	5.37 B	ND (1.29)	2.96	NA
PCB 114	ND (1.55)	ND(1)	ND (1.38)	ND (0.959)	NA
PCB 123	ND (1.48)	ND (0.977)	ND (1.47)	ND (1.01)	NA
PCB 126	ND (1.49)	ND (1.31)	ND (1.79)	ND (1.09)	NA
PCB 156/157	3.11	ND (1.49)	ND (2.16)	ND (1.52)	NA
PCB 167	3.82	ND (1.13)	ND (1.52)	ND (1.21)	NA
PCB 169	ND (1.74)	ND (1.27)	ND (1.81)	ND (1.28)	NA
PCB 189	ND (1.48)	ND (1.13)	ND (2.01)	ND (0.944)	NA

Sample Date	5/16/2007	8/21/2007	11/13/2008	5/29/2009	10/21/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	19.1 B	ND (1.02)	ND (1.32)	ND (0.582)	NA
Total Dichlorobiphenyls (Congener Sum)	60.2 B	61.1 J	16B	11.3 B	NA
Total Trichlorobiphenyls (Congener Sum)	42.4 B	7.41 B	5.68 B	4.49 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	58.1 B	27.1 B	12B	5.11 B	NA
Total Pentachlorobiphenyls (Congener Sum)	80.8 B	35.2 B	ND (1.39)	12.7B	NA
Total Hexachlorobiphenyls (Congener Sum)	88.6 B	18.1 B	ND (1.66)	9.87 B	NA
Total Heptachlorobiphenyls (Congener Sum)	5.68 B	6.68 B	ND (2.16)	1.85 B	NA
Total Octachlorobiphenyls (Congener Sum)	2.22 B	2.01 J	ND (1.83)	ND (1.26)	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (2.24)	ND (3.13)	ND (5.21)	ND (2.82)	NA
Total Decachlorobiphenyls[a]	51.1	8.7	ND (2.92)	ND (1.45)	NA
Total PCB (Congener Sum) (ND=0)	442.2 B	166B	34 B	45 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	536.3 B	258 B	187B	133B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (0.9)	ND (1)	ND(1)	ND(1)	ND (1)
Hexachlorobutadiene	ND (0.9)	ND(1)	ND (1)	ND (1)	ND(1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC = Estimated Maximum Potential Concentration
J = Analyte present. Reported concentration may not be accurate or precise
NA = Not Analyzed
ND = Not Detected

Table B-9.Groundwater Concentrations: MW-9

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ(1998 WHO TEFs)	0.002	0.00032	ND	0.00015	NA
TEQ(2005 WHO TEFs)	0.003	0.00010	ND	0.00005	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.399)	ND (0.583)	ND (0.597)	ND (1.01)	NA
1,2,3,7,8-PECDD	ND (1.39)	ND (0.802)	ND (1.41)	ND (0.751)	NA
1,2,3,4,7,8-HXCDD	ND (0.926)	ND (0.539)	ND (1.5)	ND (1.18)	NA
1,2,3,6,7,8-HXCDD	ND (0.91)	ND (0.592)	ND (1.58)	ND (1.22)	NA
1,2,3,7,8,9-HXCDD	ND (1.02)	ND (0.564)	ND (1.69)	ND (1.42)	NA
1,2,3,4,6,7,8-HPCDD	ND (2.25)	ND (2.06)	ND (5.4)	ND (1.16)	NA
OCDD	ND (2.8)	ND (1.68)	ND (7.79)	ND (3.95)	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.691)	ND (0.392)	ND (0.406)	ND (0.762)	NA
1,2,3,7,8-PECDF	ND (0.864)	ND (0.649)	ND (0.62)	ND (0.227)	NA
2,3,4,7,8-PECDF	ND (0.839)	ND (0.564)	ND (0.549)	ND (0.206)	NA
1,2,3,4,7,8-HXCDF	ND (0.303)	ND (0.4)	ND (0.595)	ND (0.303)	NA
1,2,3,6,7,8-HXCDF	ND (0.286)	ND (0.47)	ND (0.58)	ND (0.268)	NA
1,2,3,7,8,9-HXCDF	ND (0.5)	ND (0.811)	ND (0.902)	ND (0.435)	NA
2,3,4,6,7,8-HXCDF	ND (0.381)	ND (0.595)	ND (0.606)	ND (0.31)	NA
1,2,3,4,6,7,8-HPCDF	ND (1.12)	ND (0.422)	ND (0.7)	ND (0.516)	NA

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
1,2,3,4,7,8,9-HPCDF	ND (1.72)	ND (0.712)	ND (0.969)	ND (0.677)	NA
OCDF	10.5	ND (1.44)	ND (6.25)	ND (2.89)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.7)	ND (0.7)	ND (0.95)	ND (0.95)	ND (1.9)
Manganese	568	487	489	456	467
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (1.88)	ND (1.41)	ND (1.29)	ND (1.48)	NA
PCB 81	ND (1.9)	ND (1.43)	ND (1.32)	ND (1.42)	NA
PCB 105	2.98 B	ND (1.27)	ND (0.863)	ND (0.94)	NA
PCB-106	ND (1.33)	ND (1.16)	ND (0.893)	ND (0.936)	NA
PCB-118	5.4 B	3.23 B	ND (0.781)	1.49	NA
PCB 114	ND (1.39)	ND (1.25)	ND (0.783)	ND (0.877)	NA
PCB 123	ND (1.36)	ND (1.25)	ND (0.826)	ND (0.944)	NA
PCB 126	ND (1.7)	ND (1.32)	ND (0.917)	ND (1.07)	NA
PCB 156/157	ND (1.95)	ND (1.36)	ND (1.22)	ND (1.27)	NA
PCB 167	ND (1.53)	ND (1.02)	ND (0.943)	ND (0.966)	NA
PCB 169	ND (1.93)	ND (1.22)	ND (0.978)	ND (1.14)	NA
PCB 189	ND (1.43)	ND (1.21)	ND (1.19)	ND (0.945)	NA

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (2.44)	ND (1.07)	8.73	ND (0.632)	NA
Total Dichlorobiphenyls (Congener Sum)	130B	30.1 B	26.4 B	17.7B	NA
Total Trichlorobiphenyls (Congener Sum)	148 B	4.36 B	19.7 B	8.29 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	92.7 B	20.7 B	20.7 B	4.86 B	NA
Total Pentachlorobiphenyls (Congener Sum)	63.7 B	32.1 B	8.6 B	4.16 B	NA
Total Hexachlorobiphenyls (Congener Sum)	29.8 B	10.2 B	2.45 B	4.69 B	NA
Total Heptachlorobiphenyls (Congener Sum)	6.52 B	ND (1.35)	ND (1.15)	ND (1.14)	NA
Total Octachlorobiphenyls (Congener Sum)	ND (1.11)	ND (1.13)	ND (0.916)	ND (1.04)	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (2.5)	ND (4.03)	ND (3.17)	ND (2.74)	NA
Total Decachlorobiphenyls[a]	6.38	ND (1.47)	ND (1.92)	ND (1.23)	NA
Total PCB (Congener Sum) (ND=0)	477 B	97 B	78 B	40 B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	594 B	204 B	159B	125B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (1)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC - Estimated Maximum Potential Concentration
J = Analyte present. Reported concentration may not be accurate or precise
NA = Not Analyzed
ND - Not Detected

Table B-10.Groundwater Concentrations: MW-10

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
Total 2,3,7,8-TCDD Equivalent Concentration (TEQ) (pg/L)					
TEQ(1998 WHO TEFs)	0.104	0.00124	0.137	0.0639	NA
TEQ(2005 WHO TEFs)	0.128	0.00228	0.168	0.0855	NA
Polychlorinated Dibenzo(p)dioxin Congeners (pg/L)					
2,3,7,8-TCDD	ND (0.963)	ND (0.663)	ND (0.982)	ND (0.516)	NA
1,2,3,7,8-PECDD	ND (1.51)	ND (0.564)	ND (0.969)	ND (0.694)	NA
1,2,3,4,7,8-HXCDD	ND (1.38)	ND (0.493)	ND (3.77)	ND (0.755)	NA
1,2,3,6,7,8-HXCDD	ND (1.33)	ND (0.552)	ND (4.49)	ND (0.797)	NA
1,2,3,7,8,9-HXCDD	ND (1.43)	ND (0.509)	ND (4.23)	ND (0.905)	NA
1,2,3,4,6,7,8-HPCDD	9.2	ND (1.91)	8.97	4.48	NA
OCDD	118	7.07	183	108	NA
Polychlorinated Dibenzofuran Congeners (pg/L)					
2,3,7,8-TCDF	ND (0.597)	ND (0.524)	ND (0.401)	ND (0.447)	NA
1,2,3,7,8-PECDF	ND (0.907)	ND (0.758)	ND (0.943)	ND (0.454)	NA
2,3,4,7,8-PECDF	ND (0.885)	ND (0.604)	ND (0.82)	ND (0.436)	NA
1,2,3,4,7,8-HXCDF	ND (0.414)	ND (0.254)	ND (0.43)	ND (0.369)	NA
1,2,3,6,7,8-HXCDF	ND (0.388)	ND (0.29)	ND (0.4)	ND (0.318)	NA
1,2,3,7,8,9-HXCDF	ND (0.654)	ND (0.466)	ND (0.665)	ND (0.493)	NA
2,3,4,6,7,8-HXCDF	ND (0.491)	ND (0.338)	ND (0.485)	ND (0.352)	NA
1,2,3,4,6,7,8-HPCDF	ND (0.792)	ND (0.385)	2.23	0.831	NA

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
1,2,3,4,7,8,9-HPCDF	ND (1.24)	ND (0.682)	ND (2.59)	ND (0.715)	NA
OCDF	7.14	ND (2.06)	ND (3.72)	ND (2.04)	NA
Metals (ug/L)					
Antimony	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)	ND (9.7)
Arsenic	ND (0.7)	ND (0.7)	2.3	ND (0.95)	ND (1.9)
Manganese	699	952	48.9	634	1740
Thallium	ND (0.037)	ND (0.037)	ND (0.15)	ND (0.15)	ND (14)
Dioxin-like PCB congeners (pg/L)					
PCB 77	ND (2.21)	ND (1.34)	ND (1.49)	ND (1.21)	NA
PCB 81	ND (2.21)	ND (1.27)	ND (1.51)	ND (1.12)	NA
PCB 105	ND (1.58)	1.91 B	8.45	2.39	NA
PCB-106	ND (1.51)	ND (1.11)	ND (1.13)	ND (0.849)	NA
PCB-118	5.67 B	3.37 B	20	5.96	NA
PCB 114	ND (1.61)	ND (1.23)	ND (0.972)	ND (0.851)	NA
PCB 123	ND (1.54)	ND (1.2)	ND (1.04)	ND (0.851)	NA
PCB 126	ND (2.1)	ND (1.09)	ND (1.04)	ND (0.792)	NA
PCB 156/157	ND (1.84)	ND (1.54)	7.7	3.22	NA
PCB 167	ND (1.8)	ND (1.17)	3.74	ND (0.891)	NA
PCB 169	ND (2.32)	ND (2.45)	ND (1.03)	ND (1.03)	NA
PCB 189	ND (1.91)	ND (0.881)	ND (1.56)	ND (1.07)	NA

Sample Date	5/16/2007	8/22/2007	11/13/2008	5/29/2009	10/22/2009
PCB Homologs and Total PCBs (pg/L)					
Total Monochlorobiphenyls (Congener Sum)	ND (1.93)	25.2 EMPC	5.07	2.05 B	NA
Total Dichlorobiphenyls (Congener Sum)	67.7 B	16.5B	39.5 B	22.2 B	NA
Total Trichlorobiphenyls (Congener Sum)	41 B	5.29 B	39.5 B	9.24 B	NA
Total Tetrachlorobiphenyls (Congener Sum)	32.4 B	17.9B	31.5B	10.8B	NA
Total Pentachlorobiphenyls (Congener Sum)	32.5 B	29.6 B	124B	32.4 B	NA
Total Hexachlorobiphenyls (Congener Sum)	20.2 B	12.2 B	215B	56.4 B	NA
Total Heptachlorobiphenyls (Congener Sum)	9.99 B	3.19B	124	31.9B	NA
Total Octachlorobiphenyls (Congener Sum)	5.87 B	ND (1.05)	40.1	13B	NA
Total Nonachlorobiphenyls (Congener Sum)	ND (2.97)	ND (2.82)	21.6	7.26	NA
Total Decachlorobiphenyls[a]	8.93	ND (1.34)	51	8.6	NA
Total PCB (Congener Sum) (ND=0)	219B	110 B	691 B	194B	NA
Total PCB (Congener Sum) (ND=1/2 MDL)	362 B	208.6 B	751 B	252 B	NA
SVOCs(ug/L)					
Hexachlorobenzene	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)
Hexachlorobutadiene	ND (0.9)	ND (1)	ND (1)	ND (1)	ND (1)
Octachlorostyrene	NA	NA	NA	NA	ND (2)
Pentachlorobenzene	NA	NA	NA	NA	ND (2)

Results are total concentrations in water, except those from November 2008, which are dissolved

[a] PCB congener 209

B = Not detected substantially above the level measured in lab or field blanks
BOLD = Analyte detected above MDL and not 'B' flagged
EMPC - Estimated Maximum Potential Concentration
J = Analyte present. Reported concentration may not be accurate or precise

NA = Not Analyzed
ND = Not Detected

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01																									
Sampling Date	3/23/2016			10/4/2016			10/26/2017			6/19/2018			10/24/2018			5/1/2019			10/24/2019			4/14/2020			10/14/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		--	N.D.	UJ	--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.	H	0.10
Hexachlorobutadiene	N.D.		--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.51
Octachlorostyrene	N.D.		--	N.D.	UJ	--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.	H	2.0
Pentachlorobenzene	N.D.		--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.51
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00045	N.D.		0.00041	N.D.		0.0004	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041
Arsenic	0.0082		--	0.0167		--	0.0091		0.00072	0.0067		0.00072	0.0045		0.00068	0.0069		0.00073	0.0039		0.00068	N.D.		0.00068	0.0039		0.00068
Manganese	3.65		--	4.44		--	7.88		0.0045	6.39		0.0244	10.5		0.0244	5.35		0.0029	7.9		0.0063	7.9		0.0063	22		0.0063
Thallium	0.00025	J	--	0.00028	J	--	0.00032	J	0.00012	0.00038	J	0.00012	0.00033	J	0.00011	0.00032	J	0.00016	0.0003	J	0.00013	N.D.		0.00013	0.00031	J	0.00013

Client ID	MW-01																									
Sampling Date	4/20/2021			10/15/2021			4/27/2022			10/26/2022			4/19/2023			11/1/2023			8/28/2024			10/31/2025				
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.12	N.D.		0.00011			0.00012	N.D.	U	0.00012	N.D.	U	0.11			
Hexachlorobutadiene	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.56	N.D.		0.0005			0.00055	N.D.	U	0.52	N.D.	U	0.51			
Octachlorostyrene	N.D.		2	N.D.		2	N.D.		2	N.D.		2.2	N.D.		0.002			0.0022	N.D.	U	2.1	N.D.	U	2.1			
Pentachlorobenzene	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.56	N.D.		0.0005			0.00055	N.D.	U	0.52	N.D.	U	0.51			
Metals (Method 6020) mg/L																										
Antimony	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.0002	N.D.		0.0002	N.D.		0.0002	N.D.		0.0002	N.D.	U	0.0002			
Arsenic	N.D.		0.00068	0.0077		0.00068	0.0057		0.00068	0.0060		0.00068	0.0062		0.00068	0.0051		0.00068	0.0052		0.00068	0.0030		0.00068			
Manganese	7.9		0.0063	12	D50	0.032	9.8		0.0095	9.0	D5	0.0048	9.7		0.0095	9.3	^2	0.0048	5.7		0.0065	4.4	^2	0.00095			
Thallium	N.D.		0.0001	0.00043		0.00013	0.00043		0.00013	0.00045	J	0.00013	0.00045	J	0.00013	0.00045	J	0.00013	0.00037	J	0.00013	0.00032	J	0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-02																									
Sampling Date	3/23/2016			10/5/2016			10/26/2017			6/19/2018			10/24/2018			4/30/2019			10/24/2019			4/14/2020			10/14/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.	R	--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.	H	0.10
Hexachlorobutadiene	N.D.	R	--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.51
Octachlorostyrene	N.D.	R	--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.	H	2.0
Pentachlorobenzene	N.D.	R	--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.51
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00045	0.00042	J	0.00041	0.0027		0.0004	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041
Arsenic	0.118		--	0.168		--	0.0865		0.00072	0.101		0.00072	0.0724		0.00068	0.0833		0.00073	0.0665		0.00068	0.0794		0.00068	0.057		0.00068
Manganese	57.7		--	56.1		--	67.8		0.0452	63.5		0.244	61.4		0.0488	59.7		0.0288	65.3		0.0063	76.4		0.0063	70		0.0063
Thallium	0.00077		--	0.00091		--	0.00071		0.00012	0.00088		0.00012	0.00089		0.00011	0.00085		0.00016	0.00082		0.00013	0.00098		0.00013	0.00095		0.00013

Client ID	MW-02																									
Sampling Date	4/20/2021			10/15/2021			4/27/2022			10/26/2022			4/26/2023			10/25/2023			8/28/2024			10/31/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		0.11	N.D.		0.12	N.D.		0.1	N.D.		0.12	N.D.		0.00	N.D.		0.00	N.D.	U	0.12	N.D.		0.11			
Hexachlorobutadiene	N.D.		0.5	N.D.		0.57	N.D.		0.5	N.D.		0.54	N.D.		0.00051	N.D.		0.00052	N.D.	U	0.52	N.D.		0.51			
Octachlorostyrene	N.D.		2.0	N.D.		2.3	N.D.		2	N.D.		2.2	N.D.		0.002	N.D.		0.0021	N.D.	U	2.1	N.D.		2.1			
Pentachlorobenzene	N.D.		0.5	N.D.		0.57	N.D.		0.5	N.D.		0.54	N.D.		0.00051	N.D.		0.00052	N.D.	U	0.52	N.D.		0.51			
Metals (Method 6020) mg/L																										
Antimony	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.0002	0.00028	J	0.0002	N.D.		0.0002	N.D.	U	0.0002	N.D.		0.0002			
Arsenic	0.12		0.00068	0.15	D50	0.034	0.11	D50	0.034	0.11	D10	0.068	0.11	CN	0.0068	0.11		0.0068	0.0052		0.00068	0.120		0.00068			
Manganese	63		0.0063	65	2 D5	0.032	67	D50	0.048	69	2 D10	0.095	75	CN	0.095	76	^2	0.048	5.7		0.0065	82		0.0095			
Thallium	0.0010		0.00013	0.0010		0.00013	0.0011		0.00013	0.0011		0.00013	0.0012		0.00013	0.0010		0.00013	0.00037	J	0.00013	0.00130		0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.	Analyte was not detected.
N.S.	Monitoring well not sampled.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-03																									
Sampling Date	3/24/2016			10/5/2016			10/26/2017			6/19/2018			10/24/2018			4/30/2019			10/24/2019			4/14/2020			10/14/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.	R	--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.	H F1	0.10
Hexachlorobutadiene	N.D.	R	--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.50
Octachlorostyrene	N.D.	R	--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.	H	2.0
Pentachlorobenzene	N.D.	R	--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.50
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00045	0.00052	J	0.00041	0.00053	J	0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	0.00054	J	0.00041
Arsenic	0.00094	J	--	0.002		--	0.0036		0.00072	0.0226		0.00072	0.0021		0.00068	0.0033		0.00073	0.0019	J	0.00068	0.0013	J	0.00068	0.0011	J	0.00068
Manganese	30		--	29.8		--	35.7		0.0181	43.7		0.244	28.2		0.0244	29.6		0.0288	32.2		0.0063	31.1		0.0063	29		0.0032
Thallium	N.D.		--	N.D.		--	0.0003	J	0.00012	0.0011		0.00012	N.D.		0.00011	0.00016	J	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-03																									
Sampling Date	4/20/2021			10/15/2021			4/27/2022			10/26/2022			4/19/2023			11/1/2023			8/27/2024			10/31/2025				
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		0.12	N.D.		0.11	N.D.		0.1	N.D.		0.13	N.D.		0.00011			0.00011	N.D.	U	0.12	N.D.		0.11			
Hexachlorobutadiene	N.D.		0.54	N.D.		0.5	N.D.		0.5	N.D.		0.59	N.D.		0.00051			0.00052	N.D.	U	0.52	N.D.		0.51			
Octachlorostyrene	N.D.		2.2	N.D.		2	N.D.		2	N.D.		2.4	N.D.		0.0021			0.0021	N.D.	U	2.1	N.D.		2.1			
Pentachlorobenzene	N.D.		0.54	N.D.		0.5	N.D.		0.5	N.D.		0.59	N.D.		0.00051			0.00052	N.D.	U	0.52	N.D.		0.51			
Metals (Method 6020) mg/L																										
Antimony	0.00078	J	0.00041	N.D.		0.00041	ND		0.00041	N.D.		0.0002	N.D.		0.0002	N.D.		0.002	N.D.	U	0.002	0.0002	J	0.0095			
Arsenic	0.019		0.00068	0.00093	J	0.00068	0.0013		0.00068	0.0012	J	0.00068	0.0011	J	0.00068	N.D.		0.0068	N.D.	U	0.0068	N.D.	U	0.51			
Manganese	46		0.0063	27	D50	0.032	29	D50	0.048	29	2 D5	0.032	26	^2	0.0095	29	^2	0.0095	26		0.0095	27		0.0095			
Thallium	0.00059		0.00013	N.D.		0.00013	ND		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.0013	N.D.	U	0.0013	N.D.	U	0.51			

Notes:
1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-04									MW-04R															
Sampling Date	3/24/2016			10/5/2016			10/26/2017			6/20/2018			10/24/2018			5/1/2019			10/25/2019			4/14/2020			10/14/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.	R	--	N.D.		--	N.S.			N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.	R	--	N.D.	UJ	--	N.S.			N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Octachlorostyrene	N.D.	R	--	N.D.		--	N.S.			N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.1
Pentachlorobenzene	N.D.	R	--	N.D.		--	N.S.			N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Metals (Method 6020) mg/L																											
Antimony	N.D.		--	N.D.		--	N.S.			N.D.		0.00041	0.00065	J	0.00041	0.00072	J	0.0004	N.D.	K1	0.00041	0.0006	J	0.00041	0.0012		0.00041
Arsenic	N.D.		--	N.D.		--	N.S.			0.0176		0.00068	0.0038		0.00068	0.0056		0.00073	0.0038		0.00068	0.0068		0.00068	0.0014	J	0.00068
Manganese	4.72		--	2.86		--	N.S.			8.3		0.0488	8.39		0.0049	5.96		0.0029	8.92		0.0063	9.79		0.0063	10		0.0063
Thallium	N.D.		--	N.D.		--	N.S.			N.D.		0.00011	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-04R																							
Sampling Date	4/20/2021			10/21/2021			4/27/2022			10/26/2022			4/18/2023			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																								
Hexachlorobenzene	N.D.		0.11	N.D.		0.11	N.D.		0.1	N.D.		0.13	ND		0.00013			0.00011	N.D.	U	0.12	N.D.		0.11
Hexachlorobutadiene	N.D.		0.51	N.D.		0.52	N.D.		0.5	N.D.		0.59	ND		0.00059			0.00051	N.D.	U	0.52	N.D.		0.51
Octachlorostyrene	N.D.		2	N.D.		2.1	N.D.		2	N.D.		2.4	ND		0.0024			0.002	N.D.	U	2.1	N.D.		2.1
Pentachlorobenzene	N.D.		0.51	N.D.		0.52	N.D.		0.5	N.D.		0.59	ND		0.00059			0.00051	N.D.	U	0.52	N.D.		0.51
Metals (Method 6020) mg/L																								
Antimony	0.0007	J	0.00041	0.0020		0.00041	0.0013		0.00020	0.00020	J	0.0002	0.00021	J	0.0002	ND		0.0002	N.D.	U	0.0002	0.00078	J	0.0002
Arsenic	0.025		0.00068	0.0018	J	0.00068	0.0027		0.00068	0.00098	J	0.00068	0.002		0.00068	0.0011	J	0.00068	0.00076	J	0.00068	0.0013	J	0.00068
Manganese	44		0.0063	13	D50	0.032	16	D50	0.048	11	2 D5	0.0095	13	^2	0.0095	11	^2	0.0095	11		0.0095	10		0.0095
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.	U	0.00013	N.D.		0.00013	ND		0.00013	N.D.	U	0.00013	N.D.	U	1.00013

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

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Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-05									MW-05R															
Sampling Date	3/24/2016			10/5/2016			10/26/2017			6/20/2018			10/24/2018			5/1/2019			10/25/2019			4/14/2020			10/14/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.	R	--	N.D.	R	--	N.S.			N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.	H	0.10
Hexachlorobutadiene	N.D.	R	--	N.D.	R	--	N.S.			N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.52
Octachlorostyrene	N.D.	R	--	N.D.	R	--	N.S.			N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.	H	2.1
Pentachlorobenzene	N.D.	R	--	N.D.	R	--	N.S.			N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.	H	0.52
Metals (Method 6020) mg/L																											
Antimony	N.D.		--	N.D.		--	N.S.			N.D.		0.00041	N.D.		0.00041	0.00064	J	0.0004	0.00068	J	0.00041	0.00097	J	0.00041	0.0023		0.00041
Arsenic	N.D.		--	0.00067	J	--	N.S.			0.0034		0.00068	0.0047		0.00068	0.0074		0.00073	0.0018	J	0.00068	0.0035	J	0.00068	0.021		0.00068
Manganese	28.8		--	29.5		--	N.S.			14.5		0.0976	17.3		0.0244	18.2		0.0029	27.8		0.0063	28.7		0.0063	19		0.0032
Thallium	N.D.		--	N.D.		--	N.S.			N.D.		0.00011	N.D.		0.00011	0.00025	J	0.00016	N.D.		0.00013	N.D.		0.00013	0.00054		0.00050

Client ID	MW-05R																							
Sampling Date	4/20/2021			10/21/2021			4/27/2022			10/26/2022			4/18/2023			11/2/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																								
Hexachlorobenzene	N.D.	F2 F1	0.11	N.D.	U F1	0.11	N.D.		0.12	N.D.		0.13	N.D.		0.00011	N.D.		0.00012	N.D.	U	0.12	N.D.		0.11
Hexachlorobutadiene	N.D.	F2 F1	0.5	N.D.		0.51	N.D.		0.55	N.D.		0.59	N.D.		0.0005	N.D.		0.00054	N.D.	U	0.52	N.D.		0.51
Octachlorostyrene	N.D.	F1	2.0	N.D.		2	N.D.		2.2	N.D.		2.3	N.D.		0.002	N.D.		0.0021	N.D.	U	2.1	N.D.		2.1
Pentachlorobenzene	N.D.		0.5	N.D.		0.51	N.D.		0.55	N.D.		0.59	N.D.		0.0005	N.D.		0.00054	N.D.	U	0.52	N.D.		0.51
Metals (Method 6020) mg/L																								
Antimony	N.D.		0.00041	N.D.		0.00041	0.00028		0.0002	N.D.		0.0002	N.D.		0.0002	N.D.		0.002	0.00034	J	0.0002	0.0015		0.0002
Arsenic	0.0014	J	0.00068	N.D.		0.00068	0.00077		0.0006	N.D.		0.00068	0.00074	J	0.00068	N.D.		0.0068	0.0076	J	0.00068	N.D.	U	0.00013
Manganese	25		0.0063	29	D50	0.032	32	D50	0.10	27	2 D5	0.0095	31	^2	0.0095	31	^2	0.0095	31		0.0065	25		0.0095
Thallium	N.D.		0.00013	N.D.		0.00013	ND		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.0013	N.D.	U	0.00013	N.D.	U	0.00013

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

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Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-06																									
Sampling Date	3/24/2016			10/6/2016			10/27/2017			6/19/2018			10/25/2018			5/1/2019			10/24/2019			4/15/2020			10/16/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.		--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.50
Octachlorostyrene	N.D.		--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.0
Pentachlorobenzene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.50
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.00045	N.D.		0.00041	0.0004	U	0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	N.D.		0.00041
Arsenic	N.D.		--	N.D.		--	0.0041		0.5	N.D.		0.00072	0.002		0.00068	0.00073	U	0.00073	N.D.		0.00068	0.001	J	0.00068	0.0008	J	0.00068
Manganese	0.175		--	0.173		--	0.303		2	0.187		0.0009	0.231		0.0049	0.167		0.0029	0.216		0.0063	0.257		0.0063	0.23		0.00063
Thallium	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.00012	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-06																									
Sampling Date	4/20/2021			10/15/2021			4/28/2022			10/25/2022			4/18/2023			11/1/2023			8/27/2024			10/31/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		0.12	N.D.		0.12	N.D.		0.1	N.D		0.14	N.D		0.00012	N.D		0.00011	N.D.	U	0.12	N.D.		0.11			
Hexachlorobutadiene	N.D.		0.56	N.D.		0.56	N.D.		0.5	N.D		0.62	N.D		0.0005	N.D		0.00052	N.D.	U	0.53	N.D.		0.51			
Octachlorostyrene	N.D.		2.2	N.D.		2.2	N.D.		2	N.D		2.5	N.D		0.0021	N.D		0.0021	N.D.	U	2.1	N.D.		2.1			
Pentachlorobenzene	N.D.		0.56	N.D.		0.56	N.D.		0.5	N.D		0.62	N.D		0.00053	N.D		0.00052	N.D.	U	0.53	N.D.		0.51			
Metals (Method 6020) mg/L																										
Antimony	N.D.		0.00041	N.D.		0.00041	N.D.		0.0002	0.00073	J	0.00020	0.00046	J	0.00020	N.D.		0.00020	N.D.	U	0.0002	0.00088	J	1.00095			
Arsenic	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	0.0016	J	0.00068	0.00083	J	0.00068	N.D.		0.00068	N.D.	U	0.00068	N.D.	U	0.00068			
Manganese	0.18	^2	0.00063	0.20	B	0.00063	0.22	^2	0.00095	0.25		0.00095	0.24		0.00095	0.2		0.00095	0.21	^2	0.00095	0.087	^2	1.00095			
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.	U	0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-07																										
Sampling Date	3/25/2016			10/6/2016			10/27/2017			6/19/2018			10/25/2018			5/1/2019			10/24/2019			4/15/2020			10/16/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.		--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.52
Octachlorostyrene	N.D.		--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.1
Pentachlorobenzene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.52
Metals (Method 6020) mg/L																											
Antimony	N.D.		--	N.D.		--	0.00045		0.00045	N.D.		0.00045	N.D.		0.00041	0.0044		0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	N.D.		0.00041
Arsenic	N.D.		--	N.D.		--	N.D.		0.00072	0.0016	J	0.00072	0.0019	J	0.00068	0.00073	U	0.00073	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068
Manganese	0.0868		--	0.0925		--	0.0821		0.0009	0.194		0.0009	0.178		0.0049	0.0998		0.0029	0.0961		0.0063	0.112		0.0063	0.095		0.00063
Thallium	N.D.		--	N.D.		--	N.D.		0.00012	N.D.		0.00012	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-07																										
Sampling Date	4/20/2021			10/15/2021			4/28/2022			10/16/2021			4/18/2023			11/1/2023			8/27/2024			10/31/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.		0.12	N.D.		0.12	N.D.		0.1	N.D.		0.14	ND		0.00	ND		0.00	N.D.	U	0.12	N.D.		0.11			
Hexachlorobutadiene	N.D.		0.53	N.D.		0.56	N.D.		0.5	N.D.		0.62	ND		0.00051	ND		0.00054	N.D.	U	0.52	N.D.		0.51			
Octachlorostyrene	N.D.		2.1	N.D.		2.2	N.D.		2	N.D.		2.5	ND		0.0021	ND		0.0022	N.D.	U	2.1	N.D.		2.1			
Pentachlorobenzene	N.D.		0.53	N.D.		0.56	N.D.		0.5	N.D.		0.62	ND		0.00051	ND		0.00054	N.D.	U	0.52	N.D.		0.51			
Metals (Method 6020) mg/L																											
Antimony	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	0.00082	J	0.0002	N.D.		0.0002	N.D.		0.0002	0.00025		0.0002	0.00025		0.0002			
Arsenic	N.D.		0.00068	0.00095	J	0.00068	N.D.		0.00068	N.D.	U	0.00068	N.D.		0.00068	N.D.		0.00068	N.D.	U	0.00068	N.D.	U	0.00068			
Manganese	0.095		0.00063	0.14	B	0.00063	0.10		0.00095	0.084	^2 D5(	0.00095	0.1		0.00095	0.099		0.00095	0.09		0.00095	0.21		0.00095			
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.		0.00013	N.D.		0.00013	0.00016		0.00013	0.00014		0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-08																									
Sampling Date	3/25/2016			10/12/2016			10/27/2017			6/20/2018			10/25/2018			5/1/2019			10/25/2019			4/15/2020			10/16/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.52
Octachlorostyrene	N.D.		--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.1
Pentachlorobenzene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.52
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00041	N.D.		0.00041	0.00082	J	0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	N.D.		0.00041
Arsenic	N.D.		--	N.D.		--	N.D.		0.00072	0.0015	J	0.00068	N.D.		0.00068	0.00073	U	0.00073	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068
Manganese	0.183		--	0.184	J	--	0.181		0.0009	0.233		0.0049	0.211		0.0049	0.217		0.0029	0.208		0.0063	0.239		0.0063	0.22		0.00063
Thallium	N.D.		--	N.D.		--	N.D.		0.00012	N.D.		0.00011	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-08																									
Sampling Date	4/20/2021			10/14/2021			4/28/2022			10/27/2022			4/18/2023			11/2/2023			8/28/2024			11/4/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		0.12	N.D.		0.12	N.D.		0.1	N.D.		0.13	N.D.		0.00013	N.D.		0.00012	N.D.		0.11	N.D.		0.11000			
Hexachlorobutadiene	N.D.		0.53	N.D.		0.53	N.D.		0.5	N.D.		0.59	N.D.		0.0006	N.D.		0.00053	N.D.		0.52	N.D.		0.51			
Octachlorostyrene	N.D.		2.1	N.D.		2.1	N.D.		2	N.D.		2.3	N.D.		0.0024	N.D.		0.0021	N.D.		2.1	N.D.		2			
Pentachlorobenzene	N.D.		0.53	N.D.		0.53	N.D.		0.5	N.D.		0.59	N.D.		0.0006	N.D.		0.00053	N.D.		0.52	N.D.		0.51			
Metals (Method 6020) mg/L																										
Antimony	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.0002	N.D.		0.0002	N.D.		0.0002	N.D.	U	0.0002	N.D.	U	0.0002			
Arsenic	N.D.		0.00068	N.D.		0.00068	0.0039		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.	U	0.00068	N.D.	U	0.00068			
Manganese	0.24		0.00063	0.23		0.00063	0.32		0.00095	0.24	B	0.00095	0.26		0.00095	0.25	^2	0.00095	0.27		0.00095	0.31		0.00095			
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	0.00016	J	0.00013	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.	U	0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-09R																										
Sampling Date	3/25/2016			10/12/2016			10/26/2017			6/20/2018			10/24/2018			5/1/2019			10/25/2019			4/15/2020			10/16/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Octachlorostyrene	N.D.		--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.1
Pentachlorobenzene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Metals (Method 6020) mg/L																											
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00041	0.00042	J	0.00041	0.003		0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	0.00059	J	0.00041
Arsenic	N.D.		--	N.D.		--	N.D.		0.00072	N.D.		0.00068	0.002	J	0.00068	0.001	J	0.00073	0.0011	J	0.00068	N.D		0.00068	0.002		0.00068
Manganese	0.0873		--	0.126	J	--	0.216		0.0009	0.0748		0.0049	0.213		0.0049	0.133		0.0029	0.185		0.0063	0.239		0.0063	0.26		0.00063
Thallium	N.D.		--	N.D.		--	N.D.		0.00012	N.D.		0.00011	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-09R																										
Sampling Date	4/20/2021			10/15/2021			4/27/2022			10/27/2022			4/18/2023			11/2/2023			8/28/2024			11/4/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.		0.11	N.D.		0.15	N.D.		0.1	N.D.		0.12	N.D.	CN	0.00	N.D.		0.00	N.D.		0.11	N.D.		0.11000			
Hexachlorobutadiene	N.D.		0.51	N.D.		0.7	N.D.		0.5	N.D.		0.55	N.D.	CN	0.00051	N.D.		0.00056	N.D.		0.53	N.D.		0.51			
Octachlorostyrene	N.D.		2	N.D.		2.8	N.D.		2	N.D.		2.2	N.D.	F1 CN	0.002	N.D.		0.0022	N.D.		2.1	N.D.		2			
Pentachlorobenzene	N.D.		0.51	N.D.		0.7	N.D.		0.5	N.D.		0.55	N.D.	CN	0.00051	N.D.		0.00056	N.D.		0.53	N.D.		0.51			
Metals (Method 6020) mg/L																											
Antimony	0.00068	J	0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.00020	0.00073	J	0.00020	N.D.		0.00020	0.00052	J	0.00020	N.D.		0.00020			
Arsenic	0.0039		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	0.0026		0.00068	0.0013	J	0.00068	0.0021		0.00068	N.D.		0.00068			
Manganese	0.27		0.00063	0.25		0.00063	0.14		0.0020	0.23	^2 D5(	0.00095	0.25		0.00095	0.14	^2	0.00095	0.26		0.00095	0.20	^2	0.00095			
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.		0.00013			

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

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Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-10																									
Sampling Date	3/23/2016			10/6/2016			10/27/2017			6/20/2018			10/25/2018			4/30/2019			10/25/2019			4/15/2020			10/16/2020		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																										
Hexachlorobenzene	N.D.		--	N.D.		--	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.10
Hexachlorobutadiene	N.D.	UJ	--	N.D.	UJ	--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Octachlorostyrene	N.D.		--	N.D.		--	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.0
Pentachlorobenzene	N.D.		--	N.D.		--	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.51
Metals (Method 6020) mg/L																										
Antimony	N.D.		--	N.D.		--	N.D.		0.00045	N.D.		0.00041	N.D.		0.00041	0.0004	U	0.0004	N.D.	K1	0.00041	N.D.	K1	0.00041	0.00052	J	0.00041
Arsenic	N.D.		--	N.D.		--	N.D.		0.00072	N.D.		0.00068	N.D.		0.00068	0.0014	J	0.00073	N.D.		0.00068	N.D.		0.00068	0.0012	J	0.00068
Manganese	0.278		--	0.231		--	0.0668		0.0009	0.131		0.0049	0.0804		0.0049	0.141		0.0029	0.0372		0.0063	0.0448		0.0063	0.33		0.00063
Thallium	N.D.		--	N.D.		--	N.D.		0.00012	N.D.		0.00011	N.D.		0.00011	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	MW-10																							
Sampling Date	4/20/2021			10/21/2021			4/28/2022			10/25/2022			4/18/2023			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																								
Hexachlorobenzene	N.D.		0.11	N.D.		0.11	N.D.		0.1	N.D.		0.12	N.D.		0.00011	N.D.		0.00012	N.D.	U	0.11	N.D.	U F2	0.00012
Hexachlorobutadiene	N.D.		0.51	N.D.		0.51	N.D.		0.5	N.D.		0.56	N.D.		0.0005	N.D.		0.00054	N.D.	U	0.51	N.D.	U F3	0.00051
Octachlorostyrene	N.D.		2.0	N.D.		2.1	N.D.		2	N.D.		2.3	N.D.		0.002	N.D.		0.0022	N.D.	U	2.1	N.D.	U F4	2.1
Pentachlorobenzene	N.D.		0.51	N.D.		0.51	N.D.		0.5	N.D.		0.56	N.D.		0.0005	N.D.		0.00054	N.D.	U	0.51	N.D.	U F5	0.51
Metals (Method 6020) mg/L																								
Antimony	N.D.		0.00042	N.D.		0.00041	N.D.		0.00020	N.D.		0.00041	N.D.		0.0002	N.D.		0.0002	N.D.	U	0.0002	N.D.	U cn	0.0002
Arsenic	0.00092	J	0.00070	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.	U	0.00068	N.D.	U cn	0.00068
Manganese	0.19		0.00065	0.05	^2	0.00063	0.070		0.00095	0.065		0.00095	0.040		0.00095	0.180	^2	0.00095	0.058		0.00095	0.180	cn	0.00095
Thallium	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.	U	0.00013	N.D.	U cn	0.00013

Notes:

1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms per liter.
12. mg/L - milligrams per liter.
13. D50 = Original sample diluted by a factor of 50.
14. F2 = MS/MSD RPD exceeds control limits
15. cn = Refer to Case Narrative for further detail

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B
2016-2025 Summary of SVOCs and Metals
Groundwater Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	Equipment Blank																										
Sampling Date	10/25/2019			5/1/2019			10/25/2019			4/14/2020			4/15/2020			10/14/2020			4/20/2021			10/15/2021			4/28/2022		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L																											
Hexachlorobenzene	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.1	N.D.		0.12	N.D.		0.11	N.D.		0.13	N.D.		0.11
Hexachlorobutadiene	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.58	N.D.		0.52	N.D.		0.58	N.D.		0.52
Octachlorostyrene	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2	N.D.		2.1	N.D.		2.3	N.D.		2.1
Pentachlorobenzene	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.5	N.D.		0.58	N.D.		0.52	N.D.		0.58	N.D.		0.52
Metals (Method 6020) mg/L																											
Antimony	N.D.	K1	0.00041	0.00046	J	0.0004	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.00041	N.D.		0.00020
Arsenic	N.D.		0.00068	0.00073	U	0.00073	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068	N.D.		0.00068
Manganese	0.0372		0.0063	0.0029	U	0.0029	N.D.	K1 K2	0.0063	0.0873		0.0063	0.0034		0.0063	N.D.		0.00063	0.003		0.00063	N.D.		0.00063	0.00095	J	0.00095
Thallium	N.D.		0.00013	0.00016	U	0.00016	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013	N.D.		0.00013

Client ID	Equipment Blank								
Sampling Date	10/27/2022			8/28/2024			11/4/2025		
Matrix	Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SVOCs (Method 8270C) ug/L									
Hexachlorobenzene	N.D.		0.11	N.D.	U	0.13	N.D.	U	0.12000
Hexachlorobutadiene	N.D.		0.52	N.D.	U	0.6	N.D.	U	0.53
Octachlorostyrene	N.D.		2.1	N.D.	U	2.4	N.D.	U	2.1
Pentachlorobenzene	N.D.		0.52	N.D.	U	0.6	N.D.	U	0.53
Metals (Method 6020) mg/L									
Antimony	N.D.		0.00020	N.D.	U	0.0002	N.D.	U	0.0002
Arsenic	N.D.		0.00068	N.D.	U	0.00068	N.D.	U	0.00068
Manganese	0.0021		0.00095	N.D.	U	0.00095	N.D.	U	0.00095
Thallium	N.D.		0.00013	N.D.	U	0.00013	N.D.	U	0.00013

Notes:
1. N.D. = Not detected in sample.
2. U = Not detected.
3. N.S. = Analyte not sampled for.
4. -- = Not applicable.
5. J = Result is less than the RL but greater than or equal to the MDL aN.D. the concentration is an approximate value.
6. ^2 = Calibration blank is outside acceptance limits.
7. R = Relative Percent Recovery < data level rejection, reported result is unusable.
8. K1 = Initial Calibration Blank is above the QC limit aN.D. the sample result is N.D..
9. K2 = Continuing Calibration Blank is above the QC limit aN.D. the sample result is N.D..
10. pg/L = picograms per liter.
11. ug/L = micrograms p Analyte was not detected.
12. mg/L - milligrams pe Monitoring well not sampled.
13. D50 = Original sample diluted by a factor of 50.

N.D.
N.S.

This table is being prepared as part of the "Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (April 2024) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01																												
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	368.3	-	-	57.4	-	-	N.D.	-	-	N.D.	-	-	47.0	-	-	47.0	-	-	N.D.	-	-	181.0	-	-	N.D.	-	-	N.D.	-	-
PCB-1	N.D.	UX	3.38	N.D.		9.76	N.D.		48.1	N.D.		48.6	N.D.		49	N.D.		49	N.D.		21	N.D.		17	N.D.	U	39	N.D.	U	38
PCB-2	N.D.	UX	3.38	N.D.		6.83	N.D.		70.5	N.D.		71.2	N.D.		72	N.D.		72	N.D.		19	N.D.		15	N.D.	U	20	N.D.	U	29
PCB-3	N.D.	UX	3.84	N.D.		10.7	N.D.		39.6	N.D.		40	N.D.		40	N.D.		40	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	29
PCB-4	N.D.	UX	8.78	N.D.		12.7	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		26	N.D.		21	N.D.	U	28	N.D.	U	28
PCB-5	N.D.	UX	7.87	N.D.		7.8	N.D.		7.46	N.D.		7.53	N.D.		7.6	N.D.		7.6	N.D.		23	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-6	N.D.	UX	8.07	N.D.		6.83	N.D.		13.3	N.D.		13.5	N.D.		14	N.D.		14	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-7	N.D.	UX	7.54	N.D.		7.8	N.D.		7.89	N.D.		7.96	N.D.		8	N.D.		8	N.D.		19	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-8	N.D.	UX	8.02	N.D.		14.6	N.D.		10	N.D.		10.1	N.D.		10	N.D.		10	N.D.		19	N.D.		15	N.D.	U	28	N.D.	U	28
PCB-9	N.D.	UX	8.59	N.D.		6.83	N.D.		8.35	N.D.		8.43	N.D.		8.5	N.D.		8.5	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-10	N.D.	UX	5.85	N.D.		12.7	N.D.		5.15	N.D.		5.2	N.D.		5.2	N.D.		5.3	N.D.		26	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-11	21.3	X	N.V.P	N.D.		33.2	N.D.		130	N.D.		131	N.D.		130	N.D.		130	N.D.		130	N.D.		100	N.D.	U	59	N.D.	U	120
PCB-12	N.D.	UXC$_{12/13}$	8.08	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.3	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	40	N.D.	C$_{12/13}$	33	N.D.	U	20	N.D.	U	19
PCB-13	N.D.	UXC$_{12/13}$	8.08	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.3	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	40	N.D.	C$_{12/13}$	33	N.D.	U	20	N.D.	U	19
PCB-14	N.D.	UX	7.02	N.D.		7.8	N.D.		1.9	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		23	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-15	N.D.	UX	9.18	N.D.		15.6	N.D.		8.09	N.D.		8.16	N.D.		8.2	N.D.		8.2	N.D.		23	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-16	N.D.	UX	10.7	N.D.		8.78	N.D.		1.9	N.D.		5.12	N.D.		5.1	N.D.		5.2	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-17	N.D.	UX	7.2	N.D.		8.78	N.D.		5.84	N.D.		5.89	N.D.		5.9	N.D.		6	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-18	N.D.	UXC$_{18/30}$	6.14	N.D.	C$_{18/30}$	15.6	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.62	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	28	N.D.	C$_{18/30}$	23	N.D.	U	39	N.D.	U	38
PCB-19	N.D.	UX	8.12	N.D.		7.8	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		13	N.D.		11	N.D.	U	24	N.D.	U	23
PCB-20	N.D.	UXC$_{20/28}$	4.93	N.D.	C$_{20/28}$	21.5	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.7	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	33	N.D.	C$_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-21	N.D.	UXC$_{21/33}$	4.82	N.D.	C$_{21/33}$	20.5	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.62	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	34	N.D.	C$_{21/33}$	28	N.D.	U	39	N.D.	U	38
PCB-22	N.D.	UX	5.17	N.D.		8.78	N.D.		5.65	N.D.		5.7	N.D.		5.7	N.D.		5.8	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-23	N.D.	UX	4.86	N.D.		6.83	N.D.		4.8	N.D.		4.85	N.D.		4.9	N.D.		4.9	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-24	N.D.	UX	5.24	N.D.		9.76	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-25	N.D.	UX	4.8	N.D.		7.8	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-26	N.D.	UXC$_{26/29}$	4.86	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.3	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	42	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	38
PCB-27	N.D.	UX	5.3	N.D.		7.8	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-28	N.D.	UXC$_{20/28}$	4.93	N.D.	C$_{20/28}$	21.5	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.7	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	33	N.D.	C$_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-29	N.D.	UXC$_{26/29}$	4.86	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.3	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	42	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	38
PCB-30	N.D.	UXC$_{18/30}$	6.14	N.D.	C$_{18/30}$	15.6	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.62	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	28	N.D.	C$_{18/30}$	23	N.D.	U	39	N.D.	U	38
PCB-31	N.D.	UX	4.72	N.D.		17.6	N.D.		11.1	N.D.		11.3	N.D.		11	N.D.		11	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	40
PCB-32	N.D.	UX	5.08	N.D.		7.8	N.D.		4.83	N.D.		4.88	N.D.		4.9	N.D.		4.9	N.D.		9.4	N.D.		7.7	N.D.	U	20	N.D.	U	19
PCB-33	N.D.	UXC$_{21/33}$	4.82	N.D.	C$_{21/33}$	20.5	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.62	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	34	N.D.	C$_{21/33}$	28	N.D.	U	39	N.D.	U	38
PCB-34	N.D.	UX	5.05	N.D.		6.83	N.D.		5.55	N.D.		5.61	N.D.		5.6	N.D.		5.7	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-35	N.D.	UX	5.3	N.D.		8.78	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		22	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-36	N.D.	UX	4.66	N.D.		7.8	N.D.		6.82	N.D.		6.88	N.D.		6.9	N.D.		7	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-37	N.D.	UX	6.11	N.D.		9.76	N.D.		5.49	N.D.		5.54	N.D.		5.6	N.D.		5.6	N.D.		9.4	N.D.		7.7	N.D.	U	20	N.D.	U	24
PCB-38	N.D.	UX	5.12	N.D.		6.83	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		4.9	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-39	N.D.	UX	4.65	N.D.		7.8	N.D.		5.9	N.D.		5.96	N.D.		6	N.D.		6	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-40	N.D.	UXC$_{40/71}$	4.07	N.D.	C$_{40/71}$	41	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.3	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	15	N.D.	U	39	N.D.	U	38
PCB-41	N.D.	UX	4.34	N.D.		41	N.D.		12.6	N.D.		12.7	N.D.		13	N.D.		13	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-42	N.D.	UX	4.35	N.D.		15.6	N.D.		13.5	N.D.		13.7	N.D.		14	N.D.		14	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-43	N.D.	UX	6.18	N.D.		13.7	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		9.7	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-44	24.7	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.4	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	28	N.D.	C$_{44/47/65}$	23	N.D.	U	39	N.D.	U	64
PCB-45	N.D.	UX	3.44	N.D.		21.5	N.D.		11	N.D.		11.2	N.D.		11	N.D.		11	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-46	N.D.	UX	4.84	N.D.		9.76	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		9.7	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-47	24.7	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.4	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	28	N.D.	C$_{44/47/65}$	23	N.D.	U	39	N.D.	U	64
PCB-48	N.D.	UX	3.96	N.D.		13.7	N.D.		12	N.D.		12.1	N.D.		12	N.D.		12	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19
PCB-49	N.D.	UXC$_{49/69}$	3.37	N.D.	C$_{49/69}$	25.4	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.2	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	21	N.D.	C$_{49/69}$	17	N.D.	U	39	N.D.	U	38
PCB-50	N.D.	UXC$_{50/53}$	3.96	N.D.	C$_{50/53}$	24.4	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.1	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	110	N.D.	C$_{50/53}$	87	N.D.	U	39	N.D.	U	38
PCB-51	43.1	X	N.V.P	N.D.		21.5	N.D.		30.1	N.D.		30.4	N.D.		31	N.D.		31	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-52	6.16	JX	N.V.P	N.D.		14.6	N.D.		20.1	N.D.		20.3	N.D.		20	N.D.		20	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	63
PCB-53	N.D.	UXC$_{50/53}$	3.96	N.D.	C$_{50/53}$	24.4	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.1	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	110	N.D.	C$_{50/53}$	87	N.D.	U	39	N.D.	U	38
PCB-54	N.D.	UX	4.14	N.D.		13.7	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		9.7	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-55	N.D.	UX	3.37	N.D.		11.7	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		12	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-56	N.D.	UX	3.41	N.D.		14.6	N.D.		10.3	N.D.		10.4	N.D.		10	N.D.		10	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-57	N.D.	UX	3.3	N.D.		10.7	N.D.		13	N.D.		13.2	N.D.		13	N.D.		13	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-58	N.D.	UX	2.31	N.D.		13.7	N.D.		12.4	N.D.		12.5	N.D.		13	N.D.		13	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-59	N.D.	UXC$_{59/62/7}$	2.94	N.D.	C$_{59/62/75}$	36.1	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.1	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	29	N.D.	C$_{59/62/75}$	24	N.D.	U	59	N.D.	U	57
PCB-60	N.D.	UX	3.32	N.D.		13.7	N.D.		12	N.D.		12.1	N.D.		12	N.D.		12	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19
PCB-61	7.66	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/76}$	57.6	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.1	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	35	N.D.	C$_{61/70/74/76}$	29	N.D.	U	78	N.D.	U	76
PCB-62	N.D.	UXC$_{59/62/7}$	2.94	N.D.	C$_{59/62/75}$	36.1	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.1	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	29	N.D.	C$_{59/62/75}$	24	N.D.	U	59	N.D.	U	57
PCB-63	N.D.	UX	2.93	N.D.		11.7	N.D.		12.3	N.D.		12.4	N.D.		12	N.D.		13	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-64	N.D.	UX	2.78	N.D.		12.7	N.D.		10.5	N.D.		10.6	N.D.		11	N.D.		11	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-65	24.7	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.4	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	28	N.D.	C$_{44/47/65}$	23	N.D.	U	39	N.D.	U	64
PCB-66	N.D.	UX	3.28	N.D.		16.6	N.D.		10.5	N.D.		10.6	N.D.		11	N.D.		11	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-67	N.D.	UX	3.13	N.D.		11.7	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		12	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-68	N.D.	UX	2.95	N.D.		13.7	N.D.		14.6	N.D.		14.7	N.D.		15	N.D.		15	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-69	N.D.	UXC$_{49/69}$	3.37	N.D.	C$_{49/69}$	25.4	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.2	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	21	N.D.	C$_{49/69}$	21	N.D.	U	39	N.D.	U	38
PCB-70	7.66	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/76}$	57.6	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.1	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	35	N.D.	C$_{61/70/74/76}$	29	N.D.	U	78	N.D.	U	76
PCB-71	N.D.	UXC$_{40/71}$	4.07	N.D.	C$_{40/71}$	41	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.3	N.+N6: O61D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	15	N.D.	U	39	N.D.	U	38
PCB-72	N.D.	UX	3.2	N.D.		12.7	N.D.		15	N.D.		15.1	N.D.		15	N.D.		15	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19
PCB-73	N.D.	UX	2.7	N.D.		13.7	N.D.		19.8	N.D.		20	N.D.		20	N.D.		20	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-74	7.66	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/76}$	57.6	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.1	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	35	N.D.	C$_{61/70/74/76}$	29	N.D.	U	78	N.D.	U	76
PCB-75	N.D.	UXC$_{59/62/7}$	2.94	N.D.	C$_{59/62/75}$	36.1	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.1	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	29	N.D.	C$_{59/62/75}$	24	N.D.	U	59	N.D.	U	57
PCB-76	7.66	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/76}$	57.6	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.1	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	35	N.D.	C$_{61/70/74/76}$	29	N.D.	U	78	N.D.	U	76
PCB-77	N.D.	UX	3.55	N.D.		13.7	N.D.		10	N.D.		10.1	N.D.		10	N.D.		10	N.D.		22	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-78	N.D.	UX	3.56	N.D.		15.6	N.D.		13.4	N.D.		13.6	N.D.		14	N.D.		14	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-79	N.D.	UX	3	N.D.		12.7	N.D.		13.5	N.D.		13.7	N.D.		14	N.D.		14	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-80	N.D.	UX	2.88	N.D.		10.7	N.D.		15.8	N.D.		16	N.D.		16	N.D.		16	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-81	N.D.	UX	3.75	N.D.		17.6	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		9.7	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-82	N.D.	UX	2.65	N.D.		14.6	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		12	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-83	N.D.	UX	2.38	N.D.		28.3	N.D.		12	N.D.		12.1	N.D.		12	N.D.		12	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-84	5.15	JX	N.V.P.	N.D.		10.7	N.D.		11.3	N.D.		11.4	N.D.		12	N.D.		12	N.D.		29	N.D.		24	N.D.	U	20	N.D.	U	19
PCB-85	N.D.	UXC$_{85/116}$	2.23	N.D.	C$_{85/116/117}$	37.1	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65.4	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	40	N.D.	C$_{85/116/117}$	33	N.D.	U	59	N.D.	U	57
PCB-86	7.2	86/87/97/108/1	N.V.P	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-87	7.2	86/87/97/108/1	N.V.P	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-88	N.D.	UX	2.11	N.D.		21.5	N.D.		14.2	N.D.		14.3	N.D.		14	N.D.		14	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-89	N.D.	UX	2.45	N.D.		12.7	N.D.		14.2	N.D.		14.3	N.D.		14	N.D.		14	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-90	9.02	BEC$_{90/101}$	N.V.P.	N.D.	C$_{90/101/113}$	45.9	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39.7	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	47	N.D.	C$_{90/101/113}$	38	N.D.	U	59	N.D.	U	57
PCB-91	N.D.	UX	2.3	N.D.		21.5	N.D.		11.3	N.D.		11.4	N.D.		12	N.D.		12	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-92	N.D.	UX	2.34	N.D.		12.7	N.D.		14.9	N.D.		15	N.D.		15	N.D.		15	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-93	N.D.	UXC$_{93/100}$	2.09	N.D.	C$_{93/100}$	75.1	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.6	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	29	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-94	N.D.	UX	2.44	N.D.		12.7	N.D.		13.2	N.D.		13.4	N.D.		13	N.D.		13	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-95	9.64	JBXE	N.V.P.	N.D.		75.1	N.D.		14.7	N.D.		14.8	47	J I B	15	47		15	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-96	N.D.	UX	1.84	N.D.		14.6	N.D.		12.3	N.D.		12.4	N.D.		12	N.D.		13	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-97	7.2	86/87/97/108/1	N.V.P	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-98	N.D.	UX	3.2	N.D.	C$_{98/102}$	75.1	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39.7	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	34	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-99	2.94	JXE	N.V.P.	N.D.		28.3	N.D.		13.9	N.D.		14	N.D.		14	N.D.		14	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-100	N.D.	UXC$_{93/100}$	2.09	N.D.	C$_{93/100}$	75.1	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.6	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	29	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-101	9.02	BEC$_{90/101}$	N.V.P.	N.D.	C$_{90/101/113}$	45.9	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39.7	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	47	N.D.	C$_{90/101/113}$	38	N.D.	U	59	N.D.	U	57
PCB-102	N.D.	UX	1.89	N.D.	C$_{98/102}$	75.1	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39.7	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	34	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-103	N.D.	UX	2.13	N.D.		10.7	N.D.		17.4	N.D.		17.6	N.D.		18	N.D.		18	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-104	N.D.	UX	1.86	N.D.		13.7	N.D.		12.1	N.D.		12.2	N.D.		12	N.D.		12	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-105	4.92	JXB	N.V.P	N.D.		16.6	N.D.		12.3	N.D.		12.4	N.D.		12	N.D.		13	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-106	N.D.	UX	1.8	N.D.		16.6	N.D.		14.9	N.D.		15	N.D.		15	N.D.		15	N.D.		22	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-107	N.D.	UXC$_{107/124}$	1.74	N.D.		16.6	N.D.		15.4	N.D.		15.6	N.D.		16	N.D.		16	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-108	7.2	JXC$_{86/87/97/108/119/125}$	N.V.P	N.D.	C$_{108/124}$	28.3	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.6	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-109	N.D.	UX	1.51	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-110	11	JXB	N.V.P	N.D.	C$_{110/115}$	38	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58.8	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	30	N.D.	C$_{110/115}$	25	N.D.	U	39	N.D.	U	38
PCB-111	N.D.	UX	1.62	N.D.		13.7	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		17	N.D.		15	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-112	N.D.	UX	1.94	N.D.		13.7	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		17	N.D.		19	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-113	9.02	BEC$_{90/101}$	N.V.P.	N.D.	C$_{90/101/113}$	45.9	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39.7	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	47	N.D.	C$_{90/101/113}$	38	N.D.	U	59	N.D.	U	57
PCB-114	N.D.	UX	1.72	N.D.		14.6	N.D.		14.7	N.D.		14.8	N.D.		15	N.D.		15	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-115	N.D.	UX	1.89	N.D.	C$_{110/115}$	38	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58.8	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	30	N.D.	C$_{110/115}$	30	N.D.	U	39	N.D.	U	38
PCB-116	N.D.	UXC$_{85/116}$	2.23	N.D.	C$_{85/116/117}$	37.1	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65.4	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	40	N.D.	C$_{85/116/117}$	33	N.D.	U	59	N.D.	U	57
PCB-117	N.D.	UX	1.36	N.D.	C$_{85/116/117}$	37.1	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65.4	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	40	N.D.	C$_{85/116/117}$	33	N.D.	U	59	N.D.	U	57
PCB-118	5.76	JXB	N.V.P	N.D.		29.3	N.D.		12.9	N.D.		13	N.D.		13	N.D.		13	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-119	7.2	86/87/97/108/1	N.V.P	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-120	N.D.	UX	1.6	N.D.		12.7	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		16	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-121	N.D.	UX	1.63	N.D.		11.7	N.D.		13.7	N.D.		13.8	N.D.		14	N.D.		14	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-122	N.D.	UX	1.78	N.D.		11.7	N.D.		12.9	N.D.		13	N.D.		13	N.D.		13	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-123	N.D.	UX	1.75	N.D.		16.6	N.D.		12.5	N.D.		12.6	N.D.		13	N.D.		13	N.D.		26	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-124	N.D.	UXC$_{107/124}$	1.74	N.D.	C$_{108/124}$	28.3	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.6	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-125	7.2	JXC$_{86/87/97/108/119/125}$	N.V.P	N.D.	/87/97/109/119	72.2	N.D.	/87/97/109/119	122	N.D.	/87/97/109/119	123	N.D.	/87/97/109/119	120	N.D.	/87/97/109/119	120	N.D.	C$_{86/87/97/109/119/125}$	180	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-126	N.D.	UX	1.82	N.D.		15.6	N.D.		15.8	N.D.		16	N.D.		16	N.D.		16	N.D.		34	N.D.		28	N.D.	U	20	N.D.	U	19
PCB-127	N.D.	UX	1.75	N.D.		13.7	N.D.		17.8	N.D.		18	N.D.		18	N.D.		18	N.D.		8.2	N.D.		6.7	N.D.	U	20	N.D.	U	19
PCB-128	4.65	BXC$_{128/166}$	N.V.P	N.D.	C$_{128/166}$	28.3	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	38.3	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	21	N.D.	C$_{128/166}$	17	N.D.	U	39	N.D.	U	38
PCB-129	23.9	BC$_{129/138/1}$	N.V.P	N.D.	C$_{129/138/163}$	61.5	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	50.3	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	34	N.D.	C$_{129/138/163}$	28	N.D.	U	69	N.D.	U	67
PCB-130	N.D.	UX	1.67	N.D.		12.7	N.D.		17.6	N.D.		17.8	N.D.		18	N.D.		18	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-131	N.D.	UX	1.56	N.D.		16.6	N.D.		15.1	N.D.		15.3	N.D.		15	N.D.		15	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-132	13.4	UB	N.V.P	N.D.		15.6	N.D.		14.5	N.D.		14.6	N.D.		15	N.D.		15	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-133	N.D.	UX	1.49	N.D.		11.7	N.D.		17.4	N.D.		17.6	N.D.		18	N.D.		18	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-134	N.D.	UX	1.5	N.D.		32.2	N.D.		14.8	N.D.		14.9	N.D.		15	N.D.		15	N.D.		20	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-135	7.58	XBC$_{135/151}$	N.V.P	N.D.	C$_{135/151}$	44.9	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41.4	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	37	N.D.	C$_{135/151}$	31	N.D.	U	39	N.D.	U	38
PCB-136	7.57	JXB	N.V.P	N.D.		15.6	N.D.		14.3	N.D.		14.4	N.D.		15	N.D.		15	N.D.		13	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-137	N.D.	UX	1.36	N.D.		14.6	N.D.		18.4	N.D.		18.6	N.D.		19	N.D.		19	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-138	23.9	BC$_{129/138/1}$	N.V.P	N.D.	C$_{129/138/163}$	61.5	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	50.3	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	34	N.D.	C$_{129/138/163}$	28	N.D.	U	69	N.D.	U	67
PCB-139	N.D.	UXC$_{139/140}$	1.39	N.D.	C$_{139/140}$	28.3	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.6	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	22	N.D.	C$_{139/140}$	18	N.D.	U	39	N.D.	U	38
PCB-140	N.D.	UXC$_{139/140}$	1.39	N.D.	C$_{139/140}$	28.3	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.6	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	22	N.D.	C$_{139/140}$	18	N.D.	U	39	N.D.	U	38
PCB-141	2.71	JXBE	N.V.P	N.D.		16.6	N.D.		21.4	N.D.		21.6	N.D.		22	N.D.		22	N.D.		7	N.D.		5.8	N.D.	U	23	N.D.	U	22
PCB-142	N.D.	UX	1.63	N.D.		16.6	N.D.		17	N.D.		17.1	N.D.		17	N.D.		17	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19
PCB-143	N.D.	UX	1.66	N.D.		32.2	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		17	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-144	N.D.	UX	1.42	N.D.		14.6	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		16	N.D.		25	N.D.		20	N.D.	U	20	N.D.	U	19
PCB-145	N.D.	UX	1.47	N.D.		15.6	N.D.		14.7	N.D.		14.8	N.D.		15	N.D.		15	N.D.		27	N.D.		22	N.D.	U	20	N.D.	U	19
PCB-146	2.29	JXB	N.V.P	N.D.		13.7	N.D.		14.9	N.D.		15	N.D.		15	N.D.		15	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19
PCB-147	19	XBC$_{147/149}$	N.V.P	N.D.	C$_{147/149}$	34.1	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27.6	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	23	N.D.	C$_{147/149}$	19	N.D.	U	42	N.D.	U	41
PCB-148	N.D.	UX	1.41	N.D.		13.7	N.D.		15.1	N.D.		15.3	N.D.		15	N.D.		15	N.D.		19	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-149	19	XBC$_{147/149}$	N.V.P	N.D.	C$_{147/149}$	34.1	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27.6	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	23	N.D.	C$_{147/149}$	19	N.D.	U	42	N.D.	U	41
PCB-150	N.D.	UX	1.5	N.D.		14.6	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		16	N.D.		22	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-151	7.58	XBC$_{135/151}$	N.V.P	N.D.	C$_{135/151}$	44.9	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41.4	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	37	N.D.	C$_{135/151}$	37	N.D.	U	39	N.D.	U	38
PCB-152	N.D.	UX	1.32	N.D.		13.7	N.D.		13.9	N.D.		14	N.D.		14	N.D.		14	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-153	12.7	XBC$_{153/168}$	N.V.P	40.1	JBC$_{153/168}$	29.3	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	29.4	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	21	N.D.	C$_{153/168}$	17	N.D.	U	50	N.D.	U	49
PCB-154	N.D.	UX	1.28	N.D.		44.9	N.D.		44.6	N.D.		45	N.D.		45	N.D.		45	N.D.		53	N.D.		43	N.D.	U	20	N.D.	U	19

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01																														
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
PCB-155	N.D.	UX	1.47	N.D.		13.7	N.D.		15	N.D.		15.1	N.D.		15	N.D.		15	N.D.		23	N.D.		19	N.D.	U	20	N.D.	U	19		
PCB-156	3.02	$XBC_{156/15}$	N.V.P	N.D.	$C_{156/157}$	22.4	N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.6	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	28	N.D.	U	39	N.D.	U	38		
PCB-157	3.02	$XBC_{156/15}$	N.V.P	N.D.	$C_{156/157}$	22.4	N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.6	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	28	N.D.	U	39	N.D.	U	38		
PCB-158	1.53	JBXE	N.V.P	N.D.		15.6	N.D.		17.8	N.D.		18	N.D.		18	N.D.		18	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19		
PCB-159	N.D.	UX	1.35	N.D.		13.7	N.D.		19.1	N.D.		19.3	N.D.		19	N.D.		20	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19		
PCB-160	N.D.	UX	1.26	N.D.		61.5	N.D.		18.9	N.D.		19	N.D.		19	N.D.		19	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19		
PCB-161	N.D.	UX	1.11	N.D.		12.7	N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		17	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19		
PCB-162	N.D.	UX	1.35	N.D.		12.7	N.D.		18.7	N.D.		18.8	N.D.		19	N.D.		19	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19		
PCB-163	23.9	$BC_{129/138/1}$	N.V.P	N.D.	$C_{129/138/163}$	61.5	N.D.	$C_{129/138/163}$	49.8	N.D.	$C_{129/138/163}$	50.3	N.D.	$C_{129/138/163}$	17	N.D.	$C_{129/138/163}$	17	N.D.	$C_{129/138/1}$ 63	34	N.D.	$C_{129/138/1}$ 63	28	N.D.	U	69	N.D.	U	67		
PCB-164	N.D.	UX	1.14	N.D.		14.6	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		17	N.D.		8.2	N.D.		6.7	N.D.	U	20	N.D.	U	19		
PCB-165	N.D.	UX	1.2	N.D.		12.7	N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		17	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19		
PCB-166	4.65	$IBXC_{128/16}$	N.V.P	N.D.	$C_{128/166}$	28.3	N.D.	$C_{128/166}$	37.9	N.D.	$C_{128/166}$	38.3	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	21	N.D.	$C_{128/166}$	17	N.D.	U	39	N.D.	U	38		
PCB-167	N.D.	UX	1.37	N.D.		12.7	N.D.		16.2	N.D.		16.3	N.D.		16	N.D.		17	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19		
PCB-168	12.7	$XBC_{153/168}$	N.V.P	40.1	$JBC_{153/168}$	29.3	N.D.	$C_{153/168}$	29.1	N.D.	$C_{153/168}$	29.4	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	21	N.D.	$C_{153/168}$	17	N.D.	U	50	N.D.	U	49		
PCB-169	N.D.	UX	1.59	N.D.		14.6	N.D.		17.7	N.D.		17.9	N.D.		18	N.D.		18	N.D.		21	N.D.		17	N.D.	U	20	N.D.	U	19		
PCB-170	11.7	XB	N.V.P	N.D.		11.7	N.D.		16.9	N.D.		17	N.D.		17	N.D.		17	N.D.		13	N.D.		11	N.D.	U	41	N.D.	U	40		
PCB-171	3.25	$XBC_{171/17}$	N.V.P	N.D.	$C_{171/173}$	29.3	N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.2	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	19	N.D.	$C_{171/173}$	15	N.D.	U	39	N.D.	U	38		
PCB-172	N.D.	UX	1.65	N.D.		12.7	N.D.		15	N.D.		15.2	N.D.		15	N.D.		15	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19		
PCB-173	3.25	$XBC_{171/17}$	N.V.P	N.D.	$C_{171/173}$	29.3	N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.2	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	19	N.D.	$C_{171/173}$	15	N.D.	U	39	N.D.	U	38		
PCB-174	10.7	JXB	N.V.P	N.D.		14.6	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		17	N.D.		13	N.D.		11	N.D.	U	46	N.D.	U	45		
PCB-175	N.D.	UX	1.55	N.D.		13.7	N.D.		19.9	N.D.		20.1	N.D.		20	N.D.		20	N.D.		14	N.D.		12	N.D.	U	20	N.D.	U	19		
PCB-176	N.D.	UX	1.1	N.D.		11.7	N.D.		15.3	N.D.		15.5	N.D.		16	N.D.		16	N.D.		7	N.D.		5.8	N.D.	U	20	N.D.	U	19		
PCB-177	7.47	JXB	N.V.P	N.D.		10.7	N.D.		17	N.D.		17.2	N.D.		17	N.D.		17	N.D.		11	N.D.		8.6	N.D.	U	24	N.D.	U	23		
PCB-178	N.D.	UX	1.58	N.D.		13.7	N.D.		25.2	N.D.		25.5	N.D.		26	N.D.		26	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19		
PCB-179	3.52	JXBE	N.V.P	N.D.		13.7	N.D.		13.4	N.D.		13.6	N.D.		14	N.D.		14	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19		
PCB-180	23.2	$XBC_{180/193}$	N.V.P	N.D.	$C_{180/193}$	29.3	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	22	26	J B	18	N.D.	U	49	N.D.	U	48		
PCB-181	N.D.	UX	1.49	N.D.		12.7	N.D.		19.8	N.D.		20	N.D.		20	N.D.		20	N.D.		9.4	N.D.		7.7	N.D.	U	20	N.D.	U	19		
PCB-182	N.D.	UX	1.43	N.D.		12.7	N.D.		22.6	N.D.		22.8	N.D.		23	N.D.		23	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19		
PCB-183	5.27	JXB	N.V.P	N.D.	$C_{183/185}$	27.3	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.9	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	26	N.D.	$C_{183/185}$	21	N.D.	U	41	N.D.	U	40		
PCB-184	N.D.	UX	1.22	N.D.		13.7	N.D.		15.4	N.D.		15.6	N.D.		16	N.D.		16	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19		
PCB-185	N.D.	UX	1.5	N.D.	$C_{183/185}$	27.3	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.9	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	26	N.D.	$C_{183/185}$	21	N.D.	U	41	N.D.	U	40		
PCB-186	N.D.	UX	1.17	N.D.		14.6	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		17	N.D.		13	N.D.		11	N.D.	U	20	N.D.	U	19		
PCB-187	8.86	JXB	N.V.P	17.3	J	16.6	N.D.		19.4	N.D.		19.6	N.D.		20	N.D.		20	N.D.		13	12	J B	11	N.D.	U	37	N.D.	U	36		
PCB-188	N.D.	UX	1.21	N.D.		14.6	N.D.		77.3	N.D.		78.1	N.D.		79	N.D.		79	N.D.		55	N.D.		45	N.D.	U	20	N.D.	U	19		
PCB-189	N.D.	UX	1.66	N.D.		12.7	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		17	N.D.		18	N.D.		14	N.D.	U	20	N.D.	U	19		
PCB-190	2.28	JXBE	N.V.P	N.D.		13.7	N.D.		18.9	N.D.		19	N.D.		19	N.D.		19	N.D.		19	N.D.		15	N.D.	U	20	N.D.	U	19		
PCB-191	N.D.	UX	1.26	N.D.		12.7	N.D.		15.2	N.D.		15.4	N.D.		15	N.D.		16	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19		
PCB-192	N.D.	UX	1.31	N.D.		12.7	N.D.		17.1	N.D.		17.3	N.D.		17	N.D.		17	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19		
PCB-193	23.2	$XBC_{180/193}$	N.V.P	N.D.	$C_{180/193}$	29.3	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	22	26	J B	18	N.D.	U	49	N.D.	U	48		
PCB-194	6.64	JXB	N.V.P	N.D.		17.6	N.D.		27.3	N.D.		27.6	N.D.		28	N.D.		28	N.D.		14	40	J B	12	N.D.	U	25	N.D.	U	53		
PCB-195	3.46	JXB	N.V.P	N.D.		21.5	N.D.		26.6	N.D.		26.8	N.D.		27	N.D.		27	N.D.		16	N.D.		13	N.D.	U	20	N.D.	U	19		
PCB-196	5.46	JXB	N.V.P	N.D.		19.5	N.D.		22.7	N.D.		22.9	N.D.		23	N.D.		23	N.D.		13	12	J B	11	N.D.	U	20	N.D.	U	19		
PCB-197	N.D.	UX	1.03	N.D.	$C_{197/200}$	42	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	76.3	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	16	N.D.	$C_{197/200}$	13	N.D.	U	39	N.D.	U	38		
PCB-198	7.65	$XBEC_{198/1}$	N.V.P	N.D.	$C_{198/199}$	36.1	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.8	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	21	43	J B	17	N.D.	U	39	N.D.	U	38		
PCB-199	7.65	$XBEC_{198/1}$	N.V.P	N.D.	$C_{198/199}$	36.1	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.8	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	21	43	J B	17	N.D.	U	39	N.D.	U	38		
PCB-200	N.D.	UX	1.2	N.D.	$C_{197/200}$	42	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	76.3	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	16	N.D.	$C_{197/200}$	13	N.D.	U	39	N.D.	U	38		
PCB-201	N.D.	UX	1.09	N.D.		19.5	N.D.		94.9	N.D.		95.8	N.D.		96	N.D.		97	N.D.		57	N.D.		47	N.D.	U	20	N.D.	U	19		
PCB-202	N.D.	UX	1.24	N.D.		23.4	N.D.		26.8	N.D.		27	N.D.		27	N.D.		97	N.D.		11	N.D.		8.6	N.D.	U	20	N.D.	U	19		
PCB-203	4.74	JXB	N.V.P	N.D.		17.6	N.D.		20.3	N.D.		20.5	N.D.		21	N.D.		21	N.D.		15	14	J I B	12	N.D.	U	20	N.D.	U	50		
PCB-204	N.D.	UX	1.16	N.D.		20.5	N.D.		21.7	N.D.		21.9	N.D.		22	N.D.		22	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19		
PCB-205	N.D.	UX	1.63	N.D.		14.6	N.D.		26.5	N.D.		26.7	N.D.		27	N.D.		27	N.D.		8.2	N.D.		6.7	N.D.	U	20	N.D.	U	19		
PCB-206	N.D.	UX	3.37	N.D.		15.6	N.D.		24	N.D.		24.2	N.D.		24	N.D.		24	N.D.		8.2	34	J I B	6.7	N.D.	U	20	N.D.	U	55		
PCB-207	N.D.	UX	2.33	N.D.		18.5	N.D.		23.3	N.D.		23.6	N.D.		24	N.D.		24	N.D.		12	N.D.		9.6	N.D.	U	20	N.D.	U	19		
PCB-208	N.D.	UX	2.51	N.D.		15.6	N.D.		25.1	N.D.		25.4	N.D.		26	N.D.		26	N.D.		64	N.D.		53	N.D.	U	30	N.D.	U	30		
PCB-209	N.D.	UX	1.5	N.D.		15.6	N.D.		347	N.D.		350	N.D.		350	N.D.		350	N.D.		280	N.D.		230	N.D.	U	39	N.D.	U	38		

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
method blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is part of Verdantas LLC' "Chemours PCCP Monitoring Report, 2024-2025" and should only be viewed in that context.

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-02																													
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	287.82	-	-	59.7	-	-	N.D.	-	-	9.76	-	-	46	-	-	13	-	-	8.1	-	-	193	-	-	N.D.	-	-	N.D.	-	-
PCB-1	9.73	JX	N.V.P	N.D.		9.72	N.D.		47.2	N.D.		48.1	N.D.		48	N.D.		51	N.D.		18	N.D.		18	N.D.	U	40	N.D.	U	40
PCB-2	13.2	X	N.V.P	N.D.		6.8	N.D.		69.2	N.D.		70.5	N.D.		70	N.D.		75	N.D.		16	N.D.		16	N.D.	U	20	N.D.	U	30
PCB-3	11	JX	N.V.P	N.D.		10.7	N.D.		38.9	N.D.		39.6	N.D.		40	N.D.		42	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	30
PCB-4	N.D.	UX	6.54	N.D.		12.6	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		22	N.D.		22	N.D.	U	29	N.D.	U	29
PCB-5	N.D.	UX	3.85	N.D.		7.77	N.D.		7.32	N.D.		7.46	N.D.		7.5	N.D.		739	N.D.		20	N.D.		20	N.D.	U	20	N.D.	U	20
PCB-6	N.D.	UX	3.96	N.D.		6.8	N.D.		13.1	N.D.		13.3	N.D.		13	N.D.		14	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-7	N.D.	UX	3.69	N.D.		7.77	N.D.		7.74	N.D.		7.89	N.D.		7.9	N.D.		8.3	N.D.		16	N.D.		16	N.D.	U	20	N.D.	U	20
PCB-8	N.D.	UX	3.93	N.D.		14.6	N.D.		9.81	N.D.		10	N.D.		10	13	J I	11	N.D.		16	N.D.		16	N.D.	U	29	N.D.	U	29
PCB-9	N.D.	UX	4.21	N.D.		6.8	N.D.		8.2	N.D.		8.35	N.D.		8.3	N.D.		8.8	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-10	N.D.	UX	4.36	N.D.		12.6	N.D.		5.06	N.D.		5.15	N.D.		5.2	N.D.		5.5	N.D.		22	N.D.		22	N.D.	U	20	N.D.	U	20
PCB-11	19.1	X	N.V.P	N.D.		33	N.D.		127	N.D.		130	N.D.		130	N.D.		140	N.D.		110	N.D.		110	N.D.	U	59	N.D.	U	120
PCB-12	N.D.	UXC$_{12/13}$	9.96	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	20.7	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	34	N.D.	C$_{12/13}$	34	N.D.	U	20	N.D.	U	20
PCB-13	N.D.	UXC$_{12/13}$	3.96	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	20.7	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	34	N.D.	C$_{12/13}$	34	N.D.	U	20	N.D.	U	20
PCB-14	N.D.	UX	3.44	N.D.		7.77	N.D.		1.87	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		20	N.D.		20	N.D.	U	20	N.D.	U	20
PCB-15	N.D.	UX	4.5	N.D.		15.5	N.D.		7.93	N.D.		8.09	N.D.		8.1	N.D.		8.6	N.D.		20	N.D.		20	N.D.	U	20	N.D.	U	20
PCB-16	N.D.	UX	6.22	N.D.		8.75	N.D.		1.87	N.D.		5.07	N.D.		5.1	N.D.		5.4	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-17	N.D.	UX	4.2	N.D.		8.75	N.D.		5.73	N.D.		5.84	N.D.		5.8	N.D.		6.2	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-18	N.D.	UXC$_{18/30}$	3.58	N.D.	C$_{18/30}$	15.5	N.D.	C$_{18/30}$	9.35	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.5	N.D.	C$_{18/30}$	10	N.D.	C$_{18/30}$	24	N.D.	C$_{18/30}$	24	N.D.	U	40	N.D.	U	40
PCB-19	N.D.	UX	4.73	N.D.		7.77	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		11	N.D.		11	N.D.	U	24	N.D.	U	24
PCB-20	2.92	JXC$_{20/28}$	N.V.P	N.D.	C$_{20/28}$	21.4	N.D.	C$_{20/28}$	15.2	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	28	N.D.	C$_{20/28}$	28	N.D.	U	40	N.D.	U	40
PCB-21	N.D.	UXC$_{21/33}$	2.47	N.D.	C$_{21/33}$	20.4	N.D.	C$_{21/33}$	9.35	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.5	N.D.	C$_{21/33}$	10	N.D.	C$_{21/33}$	29	N.D.	C$_{21/33}$	29	N.D.	U	40	N.D.	U	40
PCB-22	N.D.	UX	2065	N.D.		8.75	N.D.		5.54	N.D.		5.65	N.D.		5.6	N.D.		6	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-23	N.D.	UX	2.49	N.D.		6.8	N.D.		4.71	N.D.		4.8	N.D.		4.8	N.D.		5.1	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-24	N.D.	UX	3.06	N.D.		9.72	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-25	N.D.	UX	2.46	N.D.		7.77	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-26	N.D.	UXC$_{26/29}$	2.49	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	27.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	30	N.D.	C$_{26/29}$	36	N.D.	C$_{26/29}$	35	N.D.	U	40	N.D.	U	40
PCB-27	N.D.	UX	3.09	N.D.		7.77	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-28	2.92	JXC$_{20/28}$	N.V.P	N.D.	C$_{20/28}$	21.4	N.D.	C$_{20/28}$	15.2	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	28	N.D.	C$_{20/28}$	28	N.D.	U	40	N.D.	U	40
PCB-29	N.D.	UXC$_{26/29}$	2.49	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	27.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	30	N.D.	C$_{26/29}$	36	N.D.	C$_{26/29}$	35	N.D.	U	40	N.D.	U	40
PCB-30	N.D.	UXC$_{18/30}$	3.58	N.D.	C$_{18/30}$	15.5	N.D.	C$_{18/30}$	9.35	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.5	N.D.	C$_{18/30}$	10	N.D.	C$_{18/30}$	24	N.D.	C$_{18/30}$	24	N.D.	U	40	N.D.	U	40
PCB-31	N.D.	UX	2.42	N.D.		17.5	N.D.		10.9	N.D.		11.1	N.D.		11	N.D.		12	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	42
PCB-32	N.D.	UX	2.96	N.D.		7.77	N.D.		4.74	9.76	J	4.83	N.D.		4.8	N.D.		5.1	N.D.		8	N.D.		7.9	N.D.	U	20	N.D.	U	20
PCB-33	N.D.	UXC$_{21/33}$	2.47	N.D.	C$_{21/33}$	20.4	N.D.	C$_{21/33}$	9.35	N.D.		9.52	N.D.		9.5	N.D.		10	N.D.	C$_{21/33}$	29	N.D.	C$_{21/33}$	29	N.D.	U	40	N.D.	U	40
PCB-34	N.D.	UX	2.59	N.D.		6.8	N.D.		5.45	N.D.		5.55	N.D.		5.6	N.D.		5.9	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-35	N.D.	UX	2.71	N.D.		8.75	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		19	N.D.		19	N.D.	U	20	N.D.	U	20
PCB-36	N.D.	UX	2.39	N.D.		7.77	N.D.		6.69	N.D.		6.82	N.D.		6.8	N.D.		7.2	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-37	N.D.	UX	3.13	N.D.		9.72	N.D.		5.38	N.D.		5.49	N.D.		5.5	N.D.		5.8	N.D.		8	N.D.		7.9	N.D.	U	20	N.D.	U	25
PCB-38	N.D.	UX	2.62	N.D.		6.8	N.D.		4.67	N.D.		4.76	N.D.		4.8	N.D.		5	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-39	N.D.	UX	2.38	N.D.		7.77	N.D.		5.79	N.D.		5.9	N.D.		5.9	N.D.		6.2	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-40	N.D.	UXC$_{40/71}$	2.5	N.D.	C$_{40/71}$	40.8	N.D.	C$_{40/71}$	18.8	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	16	N.D.	C$_{40/71}$	16	N.D.	U	40	N.D.	U	40
PCB-41	N.D.	UX	2.66	N.D.		40.8	N.D.		12.3	N.D.		12.6	N.D.		13	N.D.		13	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-42	N.D.	UX	2.67	N.D.		15.5	N.D.		13.3	N.D.		13.5	N.D.		14	N.D.		14	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-43	N.D.	UX	3.79	N.D.		13.6	N.D.		9.35	N.D.		9.52	N.D.		9.5	N.D.		10	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-44	18.4	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	36.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	24	N.D.	C$_{44/47/65}$	24	N.D.	U	59	N.D.	U	40
PCB-45	N.D.	UX	2.11	N.D.		21.4	N.D.		10.8	N.D.		11	N.D.		11	N.D.		12	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-46	N.D.	UX	2.97	N.D.		9.72	N.D.		9.35	N.D.		9.52	N.D.		9.5	N.D.		10	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-47	18.4	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	36.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	24	N.D.	C$_{44/47/65}$	24	N.D.	U	59	N.D.	U	40
PCB-48	N.D.	UX	2.43	N.D.		13.6	N.D.		11.8	N.D.		12	N.D.		12	N.D.		13	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-49	N.D.	UXC$_{49/69}$	2.07	N.D.	C$_{49/69}$	25.3	N.D.	C$_{49/69}$	23.6	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	18	N.D.	C$_{49/69}$	18	N.D.	U	40	N.D.	U	40
PCB-50	N.D.	UXC$_{50/53}$	2.43	N.D.	C$_{50/53}$	24.3	N.D.	C$_{50/53}$	88.5	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	90	N.D.	C$_{50/53}$	95	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	90	N.D.	U	40	N.D.	U	40
PCB-51	14.8	X	N.V.P	N.D.		21.4	N.D.		29.5	N.D.		30.1	N.D.		30	N.D.		32	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-52	4.54	JX	N.V.P	N.D.		14.6	N.D.		19.7	N.D.		20.1	N.D.		20	N.D.		21	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	65
PCB-53	N.D.	UXC$_{50/53}$	2.43	N.D.	C$_{50/53}$	24.3	N.D.	C$_{50/53}$	88.5	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	90	N.D.	C$_{50/53}$	95	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	90	N.D.	U	40	N.D.	U	40
PCB-54	N.D.	UX	2.74	N.D.		13.6	N.D.		9.35	N.D.		9.52	N.D.		9.5	N.D.		10	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-55	N.D.	UX	2.22	N.D.		11.7	N.D.		11.5	N.D.		11.7	N.D.		12	N.D.		12	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-56	N.D.	UX	2.25	N.D.		14.6	N.D.		10.1	N.D.		10.3	N.D.		10	N.D.		11	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-57	N.D.	UX	2.18	N.D.		10.7	N.D.		12.8	N.D.		13	N.D.		13	N.D.		14	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-58	N.D.	UX	2.12	N.D.		13.6	N.D.		12.1	N.D.		12.4	N.D.		12	N.D.		13	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-59	N.D.	JXC$_{59/62/7}$	1.81	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	39	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	42	N.D.	C$_{59/62/75}$	25	N.D.	C$_{59/62/75}$	25	N.D.	U	59	N.D.	U	59
PCB-60	N.D.	UX	2.19	N.D.		13.6	N.D.		11.8	N.D.		12	N.D.		12	N.D.		13	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-61	4.69	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/7}$	57.3	N.D.	C$_{61/70/74/7}$	44.8	N.D.	C$_{61/70/74/7}$	45.6	N.D.	C$_{61/70/74/7}$	46	N.D.	C$_{61/70/74/7}$	48	N.D.	C$_{61/70/74/7}$	30	N.D.	C$_{61/70/74/7}$	30	N.D.	U	79	N.D.	U	79
PCB-62	N.D.	JXC$_{59/62/7}$	1.81	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	39	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	42	N.D.	C$_{59/62/75}$	25	N.D.	C$_{59/62/75}$	25	N.D.	U	59	N.D.	U	59
PCB-63	N.D.	UX	1.93	N.D.		11.7	N.D.		12.1	N.D.		12.3	N.D.		12	N.D.		13	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-64	N.D.	UX	1.71	N.D.		12.6	N.D.		10.3	N.D.		10.5	N.D.		10	N.D.		11	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-65	18.4	XC$_{44/47/65}$	N.V.P	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	36.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	39	N.D.	C$_{44/47/65}$	24	N.D.	C$_{44/47/65}$	24	N.D.	U	59	N.D.	U	40
PCB-66	N.D.	UX	2.17	N.D.		16.5	N.D.		10.3	N.D.		10.5	N.D.		10	N.D.		11	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-67	N.D.	UX	2.07	N.D.		11.7	N.D.		11.5	N.D.		11.7	N.D.		12	N.D.		12	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-68	3.35	JX	N.V.P	N.D.		13.6	N.D.		14.3	N.D.		14.6	N.D.		15	N.D.		15	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-69	N.D.	UXC$_{49/69}$	2.07	N.D.	C$_{49/69}$	25.3	N.D.	C$_{49/69}$	23.6	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	18	N.D.	C$_{49/69}$	18	N.D.	U	40	N.D.	U	40
PCB-70	4.69	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/7}$	57.3	N.D.	C$_{61/70/74/7}$	44.8	N.D.	C$_{61/70/74/7}$	45.6	N.D.	C$_{61/70/74/7}$	46	N.D.	C$_{61/70/74/7}$	48	N.D.	C$_{61/70/74/7}$	30	N.D.	C$_{61/70/74/7}$	30	N.D.	U	79	N.D.	U	79
PCB-71	N.D.	UXC$_{40/71}$	2.5	N.D.	C$_{40/71}$	40.8	N.D.	C$_{40/71}$	18.8	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	16	N.D.	C$_{40/71}$	16	N.D.	U	40	N.D.	U	40
PCB-72	N.D.	UX	2.12	N.D.		12.6	N.D.		14.7	N.D.		15	N.D.		15	N.D.		16	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-73	N.D.	UX	1.66	N.D.		13.6	N.D.		19.4	N.D.		19.8	N.D.		20	N.D.		21	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-74	4.69	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/7}$	57.3	N.D.	C$_{61/70/74/7}$	44.8	N.D.	C$_{61/70/74/7}$	45.6	N.D.	C$_{61/70/74/7}$	46	N.D.	C$_{61/70/74/7}$	48	N.D.	C$_{61/70/74/7}$	30	N.D.	C$_{61/70/74/7}$	30	N.D.	U	79	N.D.	U	79
PCB-75	N.D.	JXC$_{59/62/7}$	1.81	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	39	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	42	N.D.	C$_{59/62/75}$	25	N.D.	C$_{59/62/75}$	25	N.D.	U	59	N.D.	U	59
PCB-76	4.69	XC$_{61/70/74/}$	N.V.P	N.D.	C$_{61/70/74/7}$	57.3	N.D.	C$_{61/70/74/7}$	44.8	N.D.	C$_{61/70/74/7}$	45.6	N.D.	C$_{61/70/74/7}$	46	N.D.	C$_{61/70/74/7}$	48	N.D.	C$_{61/70/74/7}$	30	N.D.	C$_{61/70/74/7}$	30	N.D.	U	79	N.D.	U	79
PCB-77	N.D.	UX	2.37	N.D.		13.6	N.D.		9.81	N.D.		10	N.D.		10	N.D.		11	N.D.		19	N.D.		19	N.D.	U	20	N.D.	U	20
PCB-78	N.D.	UX	2.35	N.D.		15.5	N.D.		13.2	N.D.		13.4	N.D.		13	N.D.		25	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-79	N.D.	UX	1.98	N.D.		12.6	N.D.		13.3	N.D.		13.5	N.D.		14	N.D.		14	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-80	N.D.	UX	1.9	N.D.		10.7	N.D.		15.5	N.D.		15.8	N.D.		16	N.D.		17	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-81	N.D.	UX	2.47	N.D.		17.5	N.D.		9.35	N.D.		9.52	N.D.		9.5	N.D.		10	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-82	N.D.	UX	1.69	N.D.		14.6	N.D.		11.5	N.D.		11.7	N.D.		12	N.D.		12	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-83	N.D.	UX	1.52	N.D.		28.2	N.D.		11.8	N.D.		12	N.D.		12	N.D.		13	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-84	1.75	JXE	N.V.P	N.D.		10.7	N.D.		11.1	N.D.		11.3	N.D.		11	N.D.		12	N.D.		25	N.D.		25	N.D.	U	20	N.D.	U	20
PCB-85	N.D.	UXC$_{85/116}$	1.42	N.D.	C$_{85/116/117}$	36.9	N.D.	C$_{85/116/117}$	63.6	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65	N.D.	C$_{85/116/117}$	69	N.D.	C$_{85/116/117}$	34	N.D.	C$_{85/116/117}$	34	N.D.	U	59	N.D.	U	59
PCB-86	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-87	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-88	N.D.	UX	1.34	N.D.		21.4	N.D.		13.9	N.D.		14.2	N.D.		14	N.D.		15	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-89	N.D.	UX	1.56	N.D.		12.6	N.D.		13.9	N.D.		14.2	N.D.		14	N.D.		15	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-90	5.95	BEC$_{90/101}$	N.V.P	N.D.	C$_{90/101/113}$	45.7	N.D.	C$_{90/101/113}$	38.6	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	U	59	N.D.	U	59
PCB-91	N.D.	UX	1.46	N.D.		21.4	N.D.		11.1	N.D.		11.3	N.D.		11	N.D.		12	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-92	N.D.	UX	1.49	N.D.		12.6	N.D.		14.6	N.D.		14.9	N.D.		15	N.D.		16	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-93	N.D.	UXC$_{93/100}$	1.33	N.D.	C$_{93/100}$	74.8	N.D.	C$_{93/100}$	28.8	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29	N.D.	C$_{93/100}$	31	N.D.	C$_{93/100}$	25	N.D.	C$_{93/100}$	25	N.D.	U	40	N.D.	U	40
PCB-94	N.D.	UX	1.56	N.D.		12.6	N.D.		13	N.D.		13.2	N.D.		13	N.D.		14	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-95	7.25	JBX	N.V.P	N.D.		74.8	N.D.		14.4	N.D.		14.7	46	J I B	15	N.D.		16	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-96	N.D.	UX	1.39	N.D.		14.6	N.D.		12.1	N.D.		12.3	N.D.		12	N.D.		13	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-97	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-98	N.D.	UX	2.04	N.D.	C$_{98/102}$	74.8	N.D.	C$_{98/102}$	38.6	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	42	N.D.	C$_{98/102}$	29	N.D.	C$_{98/102}$	29	N.D.	U	40	N.D.	U	40
PCB-99	2.68	JX	N.V.P	N.D.		28.2	N.D.		13.6	N.D.		13.9	N.D.		14	N.D.		15	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-100	N.D.	UXC$_{93/100}$	1.33	N.D.	C$_{93/100}$	74.8	N.D.	C$_{93/100}$	28.8	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29	N.D.	C$_{93/100}$	31	N.D.	C$_{93/100}$	25	N.D.	C$_{93/100}$	25	N.D.	U	40	N.D.	U	40
PCB-101	5.95	BEC$_{90/101}$	N.V.P	N.D.	C$_{90/101/113}$	45.7	N.D.	C$_{90/101/113}$	38.6	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	U	20	N.D.	U	20
PCB-102	N.D.	UX	1.21	N.D.	C$_{98/102}$	74.8	N.D.	C$_{98/102}$	38.6	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	42	N.D.	C$_{98/102}$	29	N.D.	C$_{98/102}$	29	N.D.	U	59	N.D.	U	40
PCB-103	N.D.	UX	1.35	N.D.		10.7	N.D.		17.1	N.D.		17.4	N.D.		17	N.D.		18	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-104	N.D.	UX	1.4	N.D.		13.6	N.D.		11.9	N.D.		12.1	N.D.		12	N.D.		13	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-105	2.03	JXBE	N.V.P	N.D.		16.5	N.D.		12.1	N.D.		12.3	N.D.		12	N.D.		13	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-106	N.D.	UX	1.15	N.D.		16.5	N.D.		14.6	N.D.		14.9	N.D.		15	N.D.		16	N.D.		19	N.D.		19	N.D.	U	20	N.D.	U	20
PCB-107	N.D.	JXC$_{107/12}$	1.11	N.D.		16.5	N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		16	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-108	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	C$_{108/124}$	28.2	N.D.	C$_{108/124}$	29.7	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	32	N.D.	C$_{108/124}$	26	N.D.	C$_{108/124}$	26	N.D.	U	40	N.D.	U	40
PCB-109	N.D.	UX	0.965	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-110	6.78	JXB	N.V.P	N.D.	C$_{110/115}$	37.9	N.D.	C$_{110/115}$	57.1	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58	N.D.	C$_{110/115}$	62	N.D.	C$_{110/115}$	26	N.D.	C$_{110/115}$	26	N.D.	U	40	N.D.	U	40
PCB-111	N.D.	UX	1.03	N.D.		13.6	N.D.		16	N.D.		16.3	N.D.		16	N.D.		17	N.D.		13	N.D.		13	N.D.	U	20	N.D.	U	20
PCB-112	N.D.	UX	1.24	N.D.		13.6	N.D.		16.4	N.D.		16.8	N.D.		17	N.D.		18	N.D.		16	N.D.		16	N.D.	U	20	N.D.	U	20
PCB-113	5.95	BEC$_{90/101}$	N.V.P	N.D.	C$_{90/101/113}$	45.7	N.D.	C$_{90/101/113}$	38.6	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	U	59	N.D.	U	59
PCB-114	N.D.	UX	1.13	N.D.		14.6	N.D.		14.4	N.D.		14.7	N.D.		15	N.D.		16	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-115	N.D.	UX	1.2	N.D.	C$_{110/115}$	37.9	N.D.	C$_{110/115}$	57.1	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58	N.D.	C$_{110/115}$	62	N.D.	C$_{110/115}$	26	N.D.	C$_{110/115}$	26	N.D.	U	40	N.D.	U	40
PCB-116	N.D.	UXC$_{85/116}$	1.42	N.D.	C$_{85/116/117}$	36.9	N.D.	C$_{85/116/117}$	63.6	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65	N.D.	C$_{85/116/117}$	69	N.D.	C$_{85/116/117}$	34	N.D.	C$_{85/116/117}$	34	N.D.	U	59	N.D.	U	59
PCB-117	N.D.	UX	0.867	N.D.	C$_{85/116/117}$	36.9	N.D.	C$_{85/116/117}$	63.6	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	65	N.D.	C$_{85/116/117}$	69	N.D.	C$_{85/116/117}$	34	N.D.	C$_{85/116/117}$	34	N.D.	U	59	N.D.	U	59
PCB-118	4.19	JXB	N.V.P	N.D.		29.2	N.D.		12.6	N.D.		12.9	N.D.		13	N.D.		14	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-119	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-120	N.D.	UX	1.02	N.D.		12.6	N.D.		15.6	N.D.		15.9	N.D.		16	N.D.		17	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-121	N.D.	UX	1.04	N.D.		11.7	N.D.		13.5	N.D.		13.7	N.D.		14	N.D.		15	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-122	N.D.	UX	1.17	N.D.		11.7	N.D.		12.6	N.D.		12.9	N.D.		13	N.D.		14	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-123	N.D.	UX	1.12	N.D.		16.5	N.D.		12.2	N.D.		12.5	N.D.		12	N.D.		13	N.D.		22	N.D.		22	N.D.	U	20	N.D.	U	20
PCB-124	N.D.	JXC$_{107/12}$	1.11	N.D.	C$_{108/124}$	28.2	N.D.	C$_{108/124}$	29.7	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	32	N.D.	C$_{108/124}$	26	N.D.	C$_{108/124}$	26	N.D.	U	40	N.D.	U	40
PCB-125	3.85	JXEC$_{86/87/97/108/119/125}$	N.V.P	N.D.	87/97/109/11	71.9	N.D.	87/97/109/11	120	N.D.	87/97/109/11	122	N.D.	87/97/109/11	120	N.D.	87/97/109/11	130	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	120
PCB-126	N.D.	UX	1.36	N.D.		15.5	N.D.		15.5	N.D.		15.8	N.D.		16	N.D.		17	N.D.		29	N.D.		29	N.D.	U	20	N.D.	U	20
PCB-127	N.D.	UX	1.14	N.D.		13.6	N.D.		17.5	N.D.		17.8	N.D.		18	N.D.		19	N.D.		7	N.D.		6.9	N.D.	U	20	N.D.	U	20
PCB-128	1.79	BXEC$_{128/1}$	N.V.P	N.D.	C$_{128/166}$	28.2	N.D.	C$_{128/166}$	37.2	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	38	N.D.	C$_{128/166}$	40	N.D.	C$_{128/166}$	18	N.D.	C$_{128/166}$	18	N.D.	U	40	N.D.	U	40
PCB-129	13.2	EC$_{129/138}$	N.V.P	N.D.	129/138/16	61.2	N.D.	129/138/16	48.9	N.D.	129/138/16	49.8	N.D.	129/138/16	50	N.D.	129/138/16	53	N.D.	C$_{129/138/163}$	29	N.D.	C$_{129/138/163}$	29	N.D.	U	69	N.D.	U	69
PCB-130	N.D.	UX	1.09	N.D.		12.6	N.D.		17.3	N.D.		17.6	N.D.		18	N.D.		19	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-131	N.D.	UX	1.02	N.D.		16.5	N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		16	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-132	5.7	JXB	N.V.P	N.D.		15.5	N.D.		14.2	N.D.		14.5	N.D.		14	N.D.		15	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-133	N.D.	UX	0.975	N.D.		11.7	N.D.		17.1	N.D.		17.4	N.D.		17	N.D.		18	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-02																														
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
PCB-134	N.D.	UX	0.988	N.D.		32.1	N.D.		14.5	N.D.		14.8	N.D.		15	N.D.		16	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	20
PCB-135	5.49	XBC$_{135/15}$	N.V.P	N.D.	C$_{135/151}$	44.7	N.D.	C$_{135/151}$	40.3	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	43	N.D.	C$_{135/151}$	32	N.D.	C$_{135/151}$	32	N.D.	U	40	N.D.	U	40
PCB-136	4.2	JXB	N.V.P	N.D.		15.5	N.D.		14	N.D.		14.3	N.D.		14	N.D.		15	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-137	N.D.	UX	0.887	N.D.		14.6	N.D.		18	N.D.		18.4	N.D.		18	N.D.		19	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-138	13.2	EC$_{129/138}$	N.V.P	N.D.	C$_{129/138/16}$	61.2	N.D.	C$_{129/138/16}$	48.9	N.D.	C$_{129/138/16}$	49.8	N.D.	C$_{129/138/16}$	50	N.D.	C$_{129/138/16}$	53	N.D.	C$_{129/138/163}$	29	N.D.	C$_{129/138/163}$	29	N.D.	U	69	N.D.	U	69
PCB-139	N.D.	JXC$_{139/14}$	0.913	N.D.	C$_{139/140}$	28.2	N.D.	C$_{139/140}$	30.7	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	33	N.D.	C$_{139/140}$	19	N.D.	C$_{139/140}$	19	N.D.	U	40	N.D.	U	40
PCB-140	N.D.	JXC$_{139/14}$	0.913	N.D.	C$_{139/140}$	28.2	N.D.	C$_{139/140}$	30.7	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	33	N.D.	C$_{139/140}$	19	N.D.	C$_{139/140}$	19	N.D.	U	40	N.D.	U	40
PCB-141	3.6	JXB	N.V.P	N.D.		16.5	N.D.		21	N.D.		21.4	N.D.		21	N.D.		23	N.D.		6	N.D.		6	N.D.	U	23	N.D.	U	23
PCB-142	N.D.	UX	1.06	N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		17	N.D.		18	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-143	N.D.	UX	1.09	N.D.		32.1	N.D.		16	N.D.		16.3	N.D.		16	N.D.		17	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-144	N.D.	UX	0.928	N.D.		14.6	N.D.		15.6	N.D.		15.9	N.D.		16	N.D.		17	N.D.		21	N.D.		21	N.D.	U	20	N.D.	U	20
PCB-145	N.D.	UX	1.01	N.D.		15.5	N.D.		14.4	N.D.		14.7	N.D.		15	N.D.		16	N.D.		23	N.D.		23	N.D.	U	20	N.D.	U	20
PCB-146	1.88	JXB	N.V.P	N.D.		13.6	N.D.		14.6	N.D.		14.9	N.D.		15	N.D.		16	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-147	11.9	KBC$_{147/14}$	N.V.P	N.D.	C$_{147/149}$	34	N.D.	C$_{147/149}$	26.8	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27	N.D.	C$_{147/149}$	29	N.D.	C$_{147/149}$	20	N.D.	C$_{147/149}$	20	N.D.	U	43	N.D.	U	43
PCB-148	N.D.	UX	0.922	N.D.		13.6	N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		16	N.D.		16	N.D.		16	N.D.	U	20	N.D.	U	20
PCB-149	11.9	KBC$_{147/14}$	N.V.P	N.D.	C$_{147/149}$	34	N.D.	C$_{147/149}$	26.8	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27	N.D.	C$_{147/149}$	29	N.D.	C$_{147/149}$	20	N.D.	C$_{147/149}$	20	N.D.	U	43	N.D.	U	43
PCB-150	N.D.	UX	1.02	N.D.		14.6	N.D.		15.6	N.D.		15.9	N.D.		16	N.D.		17	N.D.		19	N.D.		19	N.D.	U	20	N.D.	U	20
PCB-151	5.49	XBC$_{135/15}$	N.V.P	N.D.	C$_{135/151}$	44.7	N.D.	C$_{135/151}$	40.3	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	43	N.D.	C$_{135/151}$	32	N.D.	C$_{135/151}$	32	N.D.	U	40	N.D.	U	40
PCB-152	N.D.	UX	0.906	N.D.		13.6	N.D.		13.6	N.D.		13.9	N.D.		14	N.D.		15	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-153	9.54	KBC$_{153/16}$	N.V.P	38.8	JBC$_{153/168}$	29.2	N.D.	C$_{153/168}$	28.6	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	29	N.D.	C$_{153/168}$	31	N.D.	C$_{153/168}$	18	N.D.	C$_{153/168}$	18	N.D.	U	50	N.D.	U	50
PCB-154	N.D.	UX	0.838	N.D.		44.7	N.D.		43.7	N.D.		44.6	N.D.		45	N.D.		47	N.D.		45	N.D.		45	N.D.	U	20	N.D.	U	20
PCB-155	N.D.	UX	1	N.D.		13.6	N.D.		14.7	N.D.		15	N.D.		15	N.D.		16	N.D.		20	N.D.		20	N.D.	U	20	N.D.	U	20
PCB-156	1.52	XBC$_{156/15}$	N.V.P	N.D.	C$_{156/157}$	22.4	N.D.	C$_{156/157}$	32.6	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	33	N.D.	C$_{156/157}$	35	N.D.	C$_{156/157}$	29	N.D.	C$_{156/157}$	29	N.D.	U	40	N.D.	U	40
PCB-157	1.52	XBC$_{156/15}$	N.V.P	N.D.	C$_{156/157}$	22.4	N.D.	C$_{156/157}$	32.6	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	33	N.D.	C$_{156/157}$	35	N.D.	C$_{156/157}$	29	N.D.	C$_{156/157}$	29	N.D.	U	40	N.D.	U	40
PCB-158	1.13	JBX	N.V.P	N.D.		15.5	N.D.		17.5	N.D.		17.8	N.D.		18	N.D.		19	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-159	N.D.	UX	0.94	N.D.		13.6	N.D.		18.8	N.D.		19.1	N.D.		19	N.D.		20	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-160	N.D.	UX	0.823	N.D.		61.2	N.D.		18.5	N.D.		18.9	N.D.		19	N.D.		20	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-161	N.D.	UX	0.725	N.D.		12.6	N.D.		16.2	N.D.		16.5	N.D.		16	N.D.		17	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-162	N.D.	UX	0.942	N.D.		12.6	N.D.		18.3	N.D.		18.7	N.D.		19	N.D.		20	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-163	13.2	EC$_{129/138}$	N.V.P	N.D.	C$_{129/138/16}$	61.2	N.D.	C$_{129/138/16}$	48.9	N.D.	C$_{129/138/16}$	49.8	N.D.	C$_{129/138/16}$	50	N.D.	C$_{129/138/16}$	53	N.D.	C$_{129/138/163}$	29	N.D.	C$_{129/138/163}$	29	N.D.	U	69	N.D.	U	69
PCB-164	N.D.	UX	0.749	N.D.		14.6	N.D.		16.4	N.D.		16.8	N.D.		17	N.D.		18	N.D.		7	N.D.		6.9	N.D.	U	20	N.D.	U	20
PCB-165	N.D.	UX	0.785	N.D.		12.6	N.D.		16.2	N.D.		16.5	N.D.		16	N.D.		17	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-166	1.79	XEC$_{128/1}$	N.V.P	N.D.	C$_{128/166}$	28.2	N.D.	C$_{128/166}$	37.2	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	38	N.D.	C$_{128/166}$	40	N.D.	C$_{128/166}$	18	N.D.	C$_{128/166}$	18	N.D.	U	40	N.D.	U	40
PCB-167	0.95	UX	0.95	N.D.		12.6	N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		17	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-168	9.54	KBC$_{153/16}$	N.V.P	38.8	JBC$_{153/168}$	29.2	N.D.	C$_{153/168}$	28.6	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	29	N.D.	C$_{153/168}$	31	N.D.	C$_{153/168}$	18	N.D.	C$_{153/168}$	18	N.D.	U	50	N.D.	U	50
PCB-169	N.D.	UX	1.2	N.D.		14.6	N.D.		17.4	N.D.		17.7	N.D.		18	N.D.		19	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	20
PCB-170	9.95	JXB	N.V.P	N.D.		11.7	N.D.		16.5	N.D.		16.9	N.D.		17	N.D.		18	N.D.		11	N.D.		11	N.D.	U	42	N.D.	U	42
PCB-171	2.73	XBEC$_{171/1}$	N.V.P	N.D.	C$_{171/173}$	29.2	N.D.	C$_{171/173}$	35.1	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	36	N.D.	C$_{171/173}$	38	N.D.	C$_{171/173}$	16	N.D.	C$_{171/173}$	16	N.D.	U	40	N.D.	U	40
PCB-172	N.D.	UX	1.27	N.D.		12.6	N.D.		14.8	N.D.		15	N.D.		15	N.D.		16	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-173	2.73	XBEC$_{171/1}$	N.V.P	N.D.	C$_{171/173}$	29.2	N.D.	C$_{171/173}$	35.1	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	36	N.D.	C$_{171/173}$	38	N.D.	C$_{171/173}$	16	N.D.	C$_{171/173}$	16	N.D.	U	40	N.D.	U	40
PCB-174	10.4	JXB	N.V.P	N.D.		14.6	N.D.		16.4	N.D.		16.8	N.D.		17	N.D.		18	N.D.		11	N.D.		11	N.D.	U	47	N.D.	U	46
PCB-175	N.D.	UX	1.2	N.D.		13.6	N.D.		19.5	N.D.		19.9	N.D.		20	N.D.		21	N.D.		12	N.D.		12	N.D.	U	20	N.D.	U	20
PCB-176	N.D.	UX	0.691	N.D.		11.7	N.D.		15	N.D.		15.3	N.D.		15	N.D.		16	N.D.		6	N.D.		6	N.D.	U	20	N.D.	U	20
PCB-177	5.77	JXB	N.V.P	N.D.		10.7	N.D.		16.7	N.D.		17	N.D.		17	N.D.		18	N.D.		9.1	N.D.		8.9	N.D.	U	24	N.D.	U	24
PCB-178	1.42	JXBE	N.V.P	N.D.		13.6	N.D.		24.8	N.D.		25.2	N.D.		25	N.D.		27	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-179	3.21	JXBE	N.V.P	N.D.		13.6	N.D.		13.2	N.D.		13.4	N.D.		13	N.D.		14	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-180	18.4	KBC$_{180/19}$	N.V.P	N.D.	C$_{180/193}$	29.2	N.D.	C$_{180/193}$	27.2	N.D.	C$_{180/193}$	27.7	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	29	N.D.	C$_{180/193}$	19	29.0	J B	19	N.D.	U	49	N.D.	U	49
PCB-181	N.D.	UX	1.15	N.D.		12.6	N.D.		19.4	N.D.		19.8	N.D.		20	N.D.		21	N.D.		8	N.D.		7.9	N.D.	U	20	N.D.	U	20
PCB-182	N.D.	UX	1.1	N.D.		12.6	N.D.		22.1	N.D.		22.6	N.D.		23	N.D.		24	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-183	4.37	JXB	N.V.P	N.D.	C$_{183/185}$	27.2	N.D.	C$_{183/185}$	48.5	N.D.	C$_{183/185}$	49.4	N.D.	C$_{183/185}$	49	N.D.	C$_{183/185}$	52	N.D.	C$_{183/185}$	22	N.D.	C$_{183/185}$	22	N.D.	U	42	N.D.	U	42
PCB-184	N.D.	UX	0.765	N.D.		13.6	N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		16	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-185	N.D.	UX	1.16	N.D.	C$_{183/185}$	27.2	N.D.	C$_{183/185}$	48.5	N.D.	C$_{183/185}$	49.4	N.D.	C$_{183/185}$	49	N.D.	C$_{183/185}$	52	N.D.	C$_{183/185}$	22	N.D.	C$_{183/185}$	22	N.D.	U	42	N.D.	U	42
PCB-186	N.D.	UX	0.733	N.D.		14.6	N.D.		16	N.D.		16.3	N.D.		16	N.D.		17	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	20
PCB-187	8.81	JXB	N.V.P	N.D.		16.5	N.D.		19.1	N.D.		19.4	N.D.		19	N.D.		21	N.D.		11	13.0	J I B	11	N.D.	U	38	N.D.	U	38
PCB-188	N.D.	UX	0.756	N.D.		14.6	N.D.		75.9	N.D.		77.3	N.D.		77	N.D.		82	N.D.		47	N.D.		47	N.D.	U	20	N.D.	U	20
PCB-189	N.D.	UX	1.67	N.D.		12.6	N.D.		16.4	N.D.		16.8	N.D.		17	N.D.		18	N.D.		15	N.D.		15	N.D.	U	20	N.D.	U	20
PCB-190	1.79	JXBE	N.V.P	N.D.		13.6	N.D.		18.5	N.D.		18.9	N.D.		19	N.D.		20	N.D.		16	N.D.		16	N.D.	U	20	N.D.	U	20
PCB-191	N.D.	UX	0.968	N.D.		12.6	N.D.		15	N.D.		15.2	N.D.		15	N.D.		16	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-192	N.D.	UX	1.01	N.D.		12.6	N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		18	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-193	18.4	KBC$_{180/19}$	N.V.P	N.D.	C$_{180/193}$	29.2	N.D.	C$_{180/193}$	27.2	N.D.	C$_{180/193}$	27.7	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	29	N.D.	C$_{180/193}$	19	29.0	J B	19	N.D.	U	49	N.D.	U	49
PCB-194	4.94	JXBE	N.V.P	N.D.		17.5	N.D.		26.8	N.D.		27.3	N.D.		27	N.D.		29	N.D.		12	46.0	J B	12	N.D.	U	26	N.D.	U	54
PCB-195	2.31	JXB	N.V.P	N.D.		21.4	N.D.		26.1	N.D.		26.6	N.D.		27	N.D.		28	N.D.		14	N.D.		14	N.D.	U	20	N.D.	U	20
PCB-196	2.79	JXBE	N.V.P	N.D.		19.4	N.D.		22.2	N.D.		22.7	N.D.		23	N.D.		24	N.D.		11	13.0	J I B	11	N.D.	U	20	N.D.	U	20
PCB-197	N.D.	UX	0.573	N.D.	C$_{197/200}$	41.8	N.D.	C$_{197/200}$	74.2	N.D.	C$_{197/200}$	75.6	N.D.	C$_{197/200}$	76	N.D.	C$_{197/200}$	80	N.D.	C$_{197/200}$	14	N.D.	C$_{197/200}$	14	N.D.	U	40	N.D.	U	40
PCB-198	4.87	XBEC$_{198/1}$	N.V.P	N.D.	C$_{198/199}$	36	N.D.	C$_{198/199}$	46.4	N.D.	C$_{198/199}$	47.3	N.D.	C$_{198/199}$	47	N.D.	C$_{198/199}$	50	N.D.	C$_{198/199}$	18	42.0	J B	18	N.D.	U	40	N.D.	U	40
PCB-199	4.87	XBEC$_{198/1}$	N.V.P	N.D.	C$_{198/199}$	36	N.D.	C$_{198/199}$	46.4	N.D.	C$_{198/199}$	47.3	N.D.	C$_{198/199}$	47	N.D.	C$_{198/199}$	50	N.D.	C$_{198/199}$	18	42.0	J B	18	N.D.	U	40	N.D.	U	40
PCB-200	N.D.	UX	0.667	N.D.	C$_{197/200}$	41.8	N.D.	C$_{197/200}$	74.2	N.D.	C$_{197/200}$	75.6	N.D.	C$_{197/200}$	76	N.D.	C$_{197/200}$	80	N.D.	C$_{197/200}$	14	N.D.	C$_{197/200}$	14	N.D.	U	40	N.D.	U	40
PCB-201	0.7	JXBE	N.V.P	N.D.		19.4	N.D.		93.1	N.D.		94.9	N.D.		95	N.D.		100	N.D.		49	N.D.		49	N.D.	U	20	N.D.	U	20
PCB-202	1	JXBE	N.V.P	N.D.		23.3	N.D.		26.3	N.D.		26.8	N.D.		27	N.D.		28	N.D.		9.1	N.D.		8.9	N.D.	U	20	N.D.	U	20
PCB-203	3.4	JXB	N.V.P	N.D.		17.5	N.D.		19.9	N.D.		20.3	N.D.		20	N.D.		21	N.D.		13	15.0	J I B	13	N.D.	U	20	N.D.	U	51
PCB-204	N.D.	UX	0.645	N.D.		20.4	N.D.		21.3	N.D.		21.7	N.D.		22	N.D.		23	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-205	N.D.	UX	1.2	N.D.		14.6	N.D.		26	N.D.		26.5	N.D.		26	N.D.		28	N.D.		7	N.D.		6.9	N.D.	U	20	N.D.	U	20
PCB-206	N.D.	UX	3.02	N.D.		15.5	N.D.		23.6	N.D.		24	N.D.		24	N.D.		25	8.1	J	7	35.0	J B	6.9	N.D.	U	20	N.D.	U	57
PCB-207	N.D.	UX	1.86	N.D.		18.5	N.D.		22.9	N.D.		23.3	N.D.		23	N.D.		25	N.D.		10	N.D.		9.9	N.D.	U	20	N.D.	U	20
PCB-208	N.D.	UX	2.01	N.D.		15.5	N.D.		24.7	N.D.		25.1	N.D.		25	N.D.		27	N.D.		55	N.D.		55	N.D.	U	31	N.D.	U	31
PCB-209	N.D.	UX	1.06	20.9	J	15.5	N.D.		340	N.D.		347	N.D.		350	N.D.		370	N.D.		240	N.D.		240	N.D.	U	40	N.D.	U	40

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
nethod blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-03																													
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	813.73	-	-	31.6	-	-	N.D.	-	-	247.53	-	-	41	-	-	N.D.	-	-	155	-	-	10	-	-	N.D.	-	-	N.D.	-	-
PCB-1	N.D.	UX	2.28	N.D.		9.74	N.D.		49.5	N.D.		47.6	N.D.		50	N.D.		49	N.D.		17	N.D.		17	N.D.	U	46	N.D.	U	39
PCB-2	13.5	X	N.V.P.	N.D.		6.82	N.D.		72.5	N.D.		69.8	N.D.		73	N.D.		71	N.D.		15	N.D.		15	N.D.	U	23	N.D.	U	29
PCB-3	15.1	X	N.V.P.	N.D.		10.7	N.D.		40.8	N.D.		39.2	N.D.		41	N.D.		40	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	29
PCB-4	N.D.	UX	4.67	N.D.		12.7	N.D.		4.9	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		21	N.D.		21	N.D.	U	33	N.D.	U	28
PCB-5	N.D.	UX	3.49	N.D.		7.79	N.D.		7.68	N.D.		7.39	N.D.		7.7	N.D.		7.6	N.D.		19	N.D.		19	N.D.	U	23	N.D.	U	19
PCB-6	N.D.	UX	3.58	N.D.		6.82	N.D.		13.7	N.D.		13.2	N.D.		14	N.D.		14	49	I	17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-7	N.D.	UX	3.34	N.D.		7.79	N.D.		8.12	N.D.		7.81	N.D.		8.1	N.D.		8	N.D.		15	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-8	N.D.	UX	3.56	N.D.		14.6	N.D.		10.3	N.D.		9.91	N.D.		10	N.D.		10	N.D.		15	N.D.		15	N.D.	U	33	N.D.	U	28
PCB-9	N.D.	UX	3.81	N.D.		6.82	N.D.		8.6	N.D.		8.27	N.D.		8.6	N.D.		8.5	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-10	N.D.	UX	3.11	N.D.		12.7	N.D.		5.3	N.D.		5.1	N.D.		5.3	N.D.		5.2	N.D.		21	N.D.		21	N.D.	U	23	N.D.	U	19
PCB-11	18.3	X	N.V.P.	N.D.		33.1	N.D.		133	N.D.		128	N.D.		130	N.D.		130	N.D.		100	N.D.		110	N.D.	U	69	N.D.	U	120
PCB-12	N.D.	UXC$_{12/13}$	3.58	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	21.7	N.D.	C$_{12/13}$	20.8	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	32	N.D.	C$_{12/13}$	32	N.D.	U	23	N.D.	U	19
PCB-13	N.D.	UXC$_{12/13}$	3.58	N.D.	C$_{12/13}$	18.5	N.D.	C$_{12/13}$	21.7	N.D.	C$_{12/13}$	20.8	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	32	N.D.	C$_{12/13}$	32	N.D.	U	23	N.D.	U	19
PCB-14	N.D.	UX	3.11	N.D.		7.79	N.D.		1.96	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		19	N.D.		19	N.D.	U	23	N.D.	U	19
PCB-15	N.D.	UX	4.07	N.D.		15.6	N.D.		8.32	N.D.		8.01	N.D.		8.3	N.D.		8.2	N.D.		19	N.D.		19	N.D.	U	23	N.D.	U	19
PCB-16	N.D.	UX	7.56	N.D.		8.76	N.D.		1.96	N.D.		5.02	N.D.		5.2	N.D.		5.1	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-17	N.D.	UX	5.1	N.D.		8.76	N.D.		6.01	N.D.		5.78	N.D.		6	N.D.		5.9	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-18	N.D.	UXC$_{18/30}$	4.35	N.D.	C$_{18/30}$	15.6	N.D.	C$_{18/30}$	9.8	N.D.	C$_{18/30}$	9.43	N.D.	C$_{18/30}$	9.8	N.D.	C$_{18/30}$	9.6	N.D.	C$_{18/30}$	23	N.D.	C$_{18/30}$	23	N.D.	U	46	N.D.	U	39
PCB-19	N.D.	UX	5.76	N.D.		7.79	N.D.		4.9	9.94	J	4.72	N.D.		4.9	N.D.		4.8	N.D.		10	N.D.		11	N.D.	U	28	N.D.	U	23
PCB-20	N.D.	UXC$_{20/28}$	3.39	N.D.	C$_{20/28}$	21.4	N.D.	C$_{20/28}$	16	30.7	JC$_{20/28}$	15.4	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	26	N.D.	C$_{20/28}$	27	N.D.	U	46	N.D.	U	39
PCB-21	N.D.	UXC$_{21/33}$	3.31	N.D.	C$_{21/33}$	20.4	N.D.	C$_{21/33}$	9.8	N.D.	C$_{21/33}$	9.43	N.D.	C$_{21/33}$	9.8	N.D.	C$_{21/33}$	9.6	N.D.	C$_{21/33}$	27	N.D.	C$_{21/33}$	28	N.D.	U	46	N.D.	U	39
PCB-22	N.D.	UX	3.55	N.D.		8.76	N.D.		5.81	9.29	J	5.59	N.D.		5.8	N.D.		5.7	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-23	N.D.	UX	3.34	N.D.		6.82	N.D.		4.94	N.D.		4.75	N.D.		4.9	N.D.		4.9	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-24	N.D.	UX	3.72	N.D.		9.74	N.D.		4.9	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-25	N.D.	UX	3.3	N.D.		7.79	N.D.		4.9	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-26	N.D.	UXC$_{26/29}$	3.34	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	28.8	N.D.	C$_{26/29}$	27.7	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	34	N.D.	C$_{26/29}$	35	N.D.	U	46	N.D.	U	39
PCB-27	N.D.	UX	3.76	N.D.		7.79	N.D.		4.9	6.1	J	4.72	N.D.		4.9	N.D.		4.8	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-28	N.D.	UXC$_{20/28}$	3.39	N.D.	C$_{20/28}$	21.4	N.D.	C$_{20/28}$	16	30.7	JC$_{20/28}$	15.4	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	26	N.D.	C$_{20/28}$	27	N.D.	U	46	N.D.	U	39
PCB-29	N.D.	UXC$_{26/29}$	3.34	N.D.	C$_{26/29}$	11.7	N.D.	C$_{26/29}$	28.8	N.D.		27.7	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	34	N.D.	C$_{26/29}$	35	N.D.	U	46	N.D.	U	39
PCB-30	N.D.	UXC$_{18/30}$	4.35	N.D.	C$_{18/30}$	15.6	N.D.	C$_{18/30}$	9.8	N.D.		9.43	N.D.	C$_{18/30}$	9.8	N.D.	C$_{18/30}$	9.6	N.D.	C$_{18/30}$	23	N.D.	C$_{18/30}$	23	N.D.	U	46	N.D.	U	39
PCB-31	N.D.	UX	3.24	N.D.		17.5	N.D.		11.5	23.9	J	11	N.D.		11	N.D.		11	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	41
PCB-32	N.D.	UX	3.6	N.D.		7.79	N.D.		4.97	25.3	J	4.78	N.D.		5	N.D.		4.9	N.D.		7.5	N.D.		7.7	N.D.	U	23	N.D.	U	19
PCB-33	N.D.	UXC$_{21/33}$	3.31	N.D.	C$_{21/33}$	20.4	N.D.	C$_{21/33}$	9.8	N.D.		9.43	N.D.		9.8	N.D.		9.6	N.D.	C$_{21/33}$	27	N.D.	C$_{21/33}$	17	N.D.	U	46	N.D.	U	39
PCB-34	N.D.	UX	3.47	N.D.		6.82	N.D.		5.72	N.D.		5.5	N.D.		5.7	N.D.		5.6	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-35	N.D.	UX	3.64	N.D.		8.76	N.D.		4.9	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		18	N.D.		18	N.D.	U	23	N.D.	U	19
PCB-36	N.D.	UX	3.2	N.D.		7.79	N.D.		7.02	N.D.		6.75	N.D.		7	N.D.		6.9	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-37	N.D.	UX	4.2	N.D.		9.74	N.D.		5.65	N.D.		5.43	N.D.		5.7	N.D.		5.6	N.D.		7.5	N.D.		7.7	N.D.	U	23	N.D.	U	24
PCB-38	N.D.	UX	3.51	N.D.		6.82	N.D.		4.9	N.D.		4.72	N.D.		4.9	N.D.		4.8	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-39	N.D.	UX	3.19	N.D.		7.79	N.D.		6.08	N.D.		5.85	N.D.		6.1	N.D.		6	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-40	N.D.	UXC$_{40/71}$	2.13	N.D.	C$_{40/71}$	40.9	N.D.	C$_{40/71}$	19.7	20.3	JC$_{40/71}$	19	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	15	N.D.	C$_{40/71}$	15	N.D.	U	46	N.D.	U	39
PCB-41	N.D.	UX	2.27	N.D.		40.9	N.D.		12.9	N.D.		12.5	N.D.		13	N.D.		13	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-42	N.D.	UX	2.28	N.D.		15.6	N.D.		13.9	13.9	J	13.4	N.D.		14	N.D.		14	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-43	N.D.	UX	3.23	N.D.		13.6	N.D.		9.8	N.D.		9.43	N.D.		9.8	N.D.		9.6	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-44	26.2	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	38.1	39.4	JC$_{44/47/65}$	36.7	N.D.	JC$_{44/7/65}$	38	N.D.	JC$_{44/7/65}$	38	N.D.	C$_{44/47/65}$	23	N.D.	C$_{44/47/65}$	23	N.D.	U	69	N.D.	U	65
PCB-45	N.D.	UX	1.8	N.D.		21.4	N.D.		11.4	N.D.		10.9	N.D.		11	N.D.		11	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-46	N.D.	UX	2.53	N.D.		9.74	N.D.		9.8	N.D.		9.43	N.D.		9.8	N.D.		9.6	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-47	26.2	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	38.1	39.4	JC$_{44/47/65}$	36.7	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	23	N.D.	C$_{44/47/65}$	23	N.D.	U	69	N.D.	U	65
PCB-48	N.D.	UX	2.07	N.D.		13.6	N.D.		12.4	N.D.		11.9	N.D.		12	N.D.		12	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19
PCB-49	2.58	JXC$_{49/69}$	N.V.P.	N.D.	C$_{49/69}$	25.3	N.D.	C$_{49/69}$	24.7	N.D.	C$_{49/69}$	23.8	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	17	N.D.	C$_{49/69}$	17	N.D.	U	46	N.D.	U	39
PCB-50	N.D.	UXC$_{50/53}$	2.07	N.D.	C$_{50/53}$	24.3	N.D.	C$_{50/53}$	92.8	N.D.	C$_{50/53}$	89.3	N.D.	C$_{50/53}$	93	N.D.	C$_{50/53}$	91	N.D.	C$_{50/53}$	86	N.D.	C$_{50/53}$	88	N.D.	U	46	N.D.	U	39
PCB-51	74.3	X	N.V.P.	N.D.		21.4	N.D.		31	N.D.		29.8	N.D.		31	N.D.		30	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-52	5.51	JX	N.V.P.	N.D.		14.6	N.D.		20.7	34.8	J	19.9	N.D.		21	N.D.		20	12	J I	11	N.D.		12	N.D.	U	23	N.D.	U	64
PCB-53	N.D.	UXC$_{50/53}$	2.07	N.D.	C$_{50/53}$	24.3	N.D.	C$_{50/53}$	92.8	N.D.	C$_{50/53}$	89.3	N.D.	C$_{50/53}$	93	N.D.	C$_{50/53}$	91	N.D.	C$_{50/53}$	86	N.D.	C$_{50/53}$	88	N.D.	U	46	N.D.	U	39
PCB-54	N.D.	UX	2.31	N.D.		13.6	N.D.		9.8	N.D.		9.43	N.D.		9.8	N.D.		9.6	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-55	N.D.	UX	2.31	N.D.		11.7	N.D.		12.1	N.D.		11.6	N.D.		12	N.D.		12	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-56	N.D.	UX	2.34	N.D.		14.6	N.D.		10.6	N.D.		10.2	N.D.		11	N.D.		10	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-57	N.D.	UX	2.27	N.D.		10.7	N.D.		13.4	N.D.		12.9	N.D.		13	N.D.		13	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-58	N.D.	UX	2.2	N.D.		13.6	N.D.		12.7	N.D.		12.3	N.D.		13	N.D.		13	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-59	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	40.9	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	24	N.D.	C$_{59/62/75}$	24	N.D.	U	69	N.D.	U	58
PCB-60	N.D.	UX	2.28	N.D.		13.6	N.D.		12.4	N.D.		11.9	N.D.		12	N.D.		12	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19
PCB-61	4.87	XC$_{61/70/74/}$	N.V.P.	N.D.	C$_{61/70/74/76}$	57.4	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	28	N.D.	C$_{61/70/74/76}$	29	N.D.	U	92	N.D.	U	78
PCB-62	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	40.9	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	24	N.D.	C$_{59/62/75}$	24	N.D.	U	69	N.D.	U	58
PCB-63	N.D.	UX	2.01	N.D.		11.7	N.D.		12.6	N.D.		12.2	N.D.		13	N.D.		12	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-64	N.D.	UX	1.45	N.D.		12.7	N.D.		10.8	20.5	J	10.4	N.D.		11	N.D.		11	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-65	26.2	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.9	N.D.	C$_{44/47/65}$	38.1	39.4	JC$_{44/47/65}$	36.7	N.D.	JC$_{44/47/65}$	38	N.D.	JC$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	23	N.D.	C$_{44/47/65}$	23	N.D.	U	69	N.D.	U	65
PCB-66	2.5	JX	N.V.P.	N.D.		16.6	N.D.		10.8	13.4	J	10.4	N.D.		11	N.D.		11	10	J	10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-67	N.D.	UX	2.15	N.D.		11.7	N.D.		12.1	N.D.		11.6	N.D.		12	N.D.		12	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-68	6.87	JX		N.D.		13.6	N.D.		15	N.D.		14.4	N.D.		15	N.D.		15	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-69	2.58	JXC$_{49/69}$	N.V.P.	N.D.	C$_{49/69}$	25.3	N.D.	C$_{49/69}$	24.7	N.D.	C$_{49/69}$	23.8	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	17	N.D.	C$_{49/69}$	17	N.D.	U	46	N.D.	U	39
PCB-70	4.87	XC$_{61/70/74/}$	N.V.P.	N.D.	C$_{61/70/74/76}$	57.4	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	28	N.D.	C$_{61/70/74/76}$	29	N.D.	U	92	N.D.	U	78
PCB-71	N.D.	UXC$_{40/71}$	2.13	N.D.	C$_{40/71}$	40.9	N.D.	C$_{40/71}$	19.7	20.3	J	19	N.D.		20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	15	N.D.	C$_{40/71}$	15	N.D.	U	46	N.D.	U	39
PCB-72	N.D.	UX	2.2	N.D.		12.7	N.D.		15.4	N.D.		14.8	N.D.		15	N.D.		15	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19
PCB-73	N.D.	UX	1.41	N.D.		13.6	N.D.		20.4	N.D.		19.6	N.D.		20	N.D.		20	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-74	4.87	XC$_{61/70/74/}$	N.V.P.	N.D.	C$_{61/70/74/76}$	57.4	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	28	N.D.	C$_{61/70/74/76}$	29	N.D.	U	92	N.D.	U	78
PCB-75	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	36	N.D.	C$_{59/62/75}$	40.9	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	24	N.D.	C$_{59/62/75}$	24	N.D.	U	69	N.D.	U	58
PCB-76	4.87	XC$_{61/70/74/}$	N.V.P.	N.D.	C$_{61/70/74/76}$	57.4	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	28	N.D.	C$_{61/70/74/76}$	29	N.D.	U	92	N.D.	U	78
PCB-77	N.D.	UX	2.66	N.D.		13.6	N.D.		10.3	N.D.		9.91	N.D.		10	N.D.		10	N.D.		18	N.D.		18	N.D.	U	23	N.D.	U	19
PCB-78	N.D.	UX	2.44	N.D.		15.6	N.D.		13.8	N.D.		13.3	N.D.		14	N.D.		14	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-79	N.D.	UX	2.05	N.D.		12.7	N.D.		13.9	N.D.		13.4	N.D.		14	N.D.		14	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-80	N.D.	UX	1.97	N.D.		10.7	N.D.		16.3	N.D.		15.7	N.D.		16	N.D.		16	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-81	N.D.	UX	2.57	N.D.		17.5	N.D.		9.8	N.D.		9.43	N.D.		9.8	N.D.		9.6	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-82	N.D.	UX	1.64	N.D.		14.6	N.D.		12.1	N.D.		11.6	N.D.		12	N.D.		12	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-83	N.D.	UX	1.47	N.D.		28.2	N.D.		12.4	N.D.		11.9	N.D.		12	N.D.		12	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-84	2.08	JXE	N.V.P.	N.D.		10.7	N.D.		11.7	N.D.		11.2	N.D.		12	N.D.		11	N.D.		24	N.D.		24	N.D.	U	23	N.D.	U	19
PCB-85	N.D.	UXC$_{85/116}$	1.38	N.D.	C$_{85/116/117}$	37	N.D.	C$_{85/116/117}$	66.7	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	67	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	32	N.D.	C$_{85/116/117}$	33	N.D.	U	69	N.D.	U	58
PCB-86	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-87	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-88	N.D.	UX	1.3	N.D.		21.4	N.D.		14.6	N.D.		14.1	N.D.		15	N.D.		14	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-89	N.D.	UX	1.51	N.D.		12.7	N.D.		14.6	N.D.		14.1	N.D.		15	N.D.		14	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-90	6.93	BEC$_{90/101/}$	N.V.P.	N.D.	C$_{90/101/113}$	45.8	N.D.	C$_{90/101/113}$	40.5	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	38	N.D.	C$_{90/101/113}$	39	N.D.	U	69	N.D.	U	58
PCB-91	N.D.	UX	1.42	N.D.		21.4	N.D.		11.7	N.D.		11.2	N.D.		12	N.D.		11	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-92	N.D.	UX	1.45	N.D.		12.7	N.D.		15.3	N.D.		14.7	N.D.		15	N.D.		15	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-93	N.D.	UXC$_{93/100}$	1.29	N.D.	C$_{93/100}$	75	N.D.	C$_{93/100}$	30.2	N.D.	C$_{93/100}$	29.1	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	24	N.D.	C$_{93/100}$	24	N.D.	U	46	N.D.	U	39
PCB-94	N.D.	UX	1.51	N.D.		12.7	N.D.		13.6	N.D.		13.1	N.D.		14	N.D.		13	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-95	9.85	JBXE	N.V.P.	N.D.		75	N.D.		15.1	N.D.		14.5	41	J I B	15	N.D.		15	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-96	N.D.	UX	1.26	N.D.		14.6	N.D.		12.6	N.D.		12.2	N.D.		13	N.D.		12	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-97	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-98	N.D.	UX	1.98	N.D.	C$_{98/102}$	75	N.D.	C$_{98/102}$	40.5	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	27	N.D.	C$_{98/102}$	28	N.D.	U	46	N.D.	U	39
PCB-99	2.17	JX	N.V.P.	N.D.		28.2	N.D.		14.3	N.D.		13.8	N.D.		14	N.D.		14	16	J I	11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-100	N.D.	UXC$_{93/100}$	1.29	N.D.	C$_{93/100}$	75	N.D.	C$_{93/100}$	30.2	N.D.	C$_{93/100}$	29.1	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	24	N.D.	C$_{93/100}$	24	N.D.	U	46	N.D.	U	39
PCB-101	6.93	BEC$_{90/101/}$	N.V.P.	N.D.	C$_{90/101/113}$	45.8	N.D.	C$_{90/101/113}$	40.5	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	38	N.D.	C$_{90/101/113}$	39	N.D.	U	69	N.D.	U	58
PCB-102	N.D.	UX	1.17	N.D.	C$_{98/102}$	75	N.D.	C$_{98/102}$	40.5	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	27	N.D.	C$_{98/102}$	28	N.D.	U	46	N.D.	U	39
PCB-103	N.D.	UX	1.32	N.D.		10.7	N.D.		17.9	N.D.		17.3	N.D.		18	N.D.		18	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-104	N.D.	UX	1.27	N.D.		13.6	N.D.		12.5	N.D.		12	N.D.		12	N.D.		12	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-105	4.19	JXB	N.V.P.	N.D.		16.6	N.D.		12.6	N.D.		12.2	N.D.		13	N.D.		12	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-106	N.D.	UX	1.12	N.D.		16.6	N.D.		15.3	N.D.		14.7	N.D.		15	N.D.		15	N.D.		18	N.D.		18	N.D.	U	23	N.D.	U	19
PCB-107	N.D.	UXC$_{107/12}$	1.07	N.D.		16.6	N.D.		15.9	N.D.		15.3	N.D.		16	N.D.		16	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-108	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{108/124}$	28.2	N.D.	C$_{108/124}$	31.2	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	24	N.D.	C$_{108/124}$	25	N.D.	U	46	N.D.	U	39
PCB-109	N.D.	UX	0.937	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-110	9.33	JXB	N.V.P.	N.D.	C$_{110/115}$	38	N.D.	C$_{110/115}$	59.9	N.D.	C$_{110/115}$	57.6	N.D.	C$_{110/115}$	60	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	24	N.D.	C$_{110/115}$	25	N.D.	U	46	N.D.	U	39
PCB-111	N.D.	UX	1	N.D.		13.6	N.D.		16.8	N.D.		16.1	N.D.		17	N.D.		16	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	19
PCB-112	N.D.	UX	1.2	N.D.		13.6	N.D.		17.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		15	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-113	6.93	BEC$_{90/101/}$	N.V.P.	N.D.	C$_{90/101/113}$	45.8	N.D.	C$_{90/101/113}$	40.5	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	38	N.D.	C$_{90/101/113}$	39	N.D.	U	69	N.D.	U	58
PCB-114	N.D.	UX	1.05	N.D.		14.6	N.D.		15.1	N.D.		14.5	N.D.		15	N.D.		15	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19
PCB-115	N.D.	UX	1.17	N.D.	C$_{110/115}$	38	N.D.	C$_{110/115}$	59.9	N.D.	C$_{110/115}$	57.6	N.D.	C$_{110/115}$	60	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	24	N.D.	C$_{110/115}$	24	N.D.	U	46	N.D.	U	39
PCB-116	N.D.	UXC$_{85/116}$	1.38	N.D.	C$_{85/116/117}$	37	N.D.	C$_{85/116/117}$	66.7	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	67	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	32	N.D.	C$_{85/116/117}$	33	N.D.	U	69	N.D.	U	58
PCB-117	N.D.	UX	0.841	N.D.	C$_{85/116/117}$	37	N.D.	C$_{85/116/117}$	66.7	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	67	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	32	N.D.	C$_{85/116/117}$	33	N.D.	U	69	N.D.	U	58
PCB-118	5.81	JXB	N.V.P.	N.D.		29.2	N.D.		13.2	N.D.		12.7	N.D.		13	N.D.		13	35	J I	16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-119	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-120	N.D.	UX	0.988	N.D.		12.7	N.D.		16.4	N.D.		15.8	N.D.		16	N.D.		16	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19
PCB-121	N.D.	UX	1.01	N.D.		11.7	N.D.		14.1	N.D.		13.6	N.D.		14	N.D.		14	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-122	N.D.	UX	1.09	N.D.		11.7	N.D.		13.2	N.D.		12.7	N.D.		13	N.D.		13	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-123	N.D.	UX	1.08	N.D.		16.6	N.D.		12.8	N.D.		12.4	N.D.		13	N.D.		13	N.D.		21	N.D.		21	N.D.	U	23	N.D.	U	19
PCB-124	N.D.	UXC$_{107/12}$	1.07	N.D.	C$_{108/124}$	28.2	N.D.	C$_{108/124}$	31.2	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	24	N.D.	C$_{108/124}$	25	N.D.	U	46	N.D.	U	39
PCB-125	5.29	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	72.1	N.D.	/87/97/109/11	125	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-126	N.D.	UX	0.981	N.D.		15.6	N.D.		16.3	N.D.		15.7	N.D.		16	N.D.		16	N.D.		27	N.D.		28	N.D.	U	23	N.D.	U	19
PCB-127	N.D.	UX	1.08	N.D.		13.6	N.D.		18.3	N.D.		17.6	N.D.		18	N.D.		18	N.D.		6.6	N.D.		6.8	N.D.	U	23	N.D.	U	19
PCB-128	5.47	IBXC$_{128/16}$	N.V.P.	N.D.	C$_{128/166}$	28.2	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	37.5	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	38	N.D.	C$_{128/166}$	17	N.D.	C$_{128/166}$	17	N.D.	U	46	N.D.	U	39
PCB-129	33.2	BC$_{129/138/1}$	N.V.P.	N.D.	C$_{129/138/163}$	61.3	N.D.	C$_{129/138/163}$	51.3	N.D.	C$_{129/138/163}$	49.3	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	50	N.D.	C$_{129/138/163}$	27	N.D.	C$_{129/138/163}$	28	N.D.	U	81	N.D.	U	39
PCB-130	1.38	JXE	N.V.P.	N.D.		12.7	N.D.		18.1	N.D.		17.5	N.D.		18	N.D.		18	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-131	N.D.	UX	0.852	N.D.		16.6	N.D.		15.6	N.D.		15	N.D.		16	N.D.		15	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-132	9.82	JXB	N.V.P.	N.D.		15.6	N.D.		14.9	N.D.		14.3	N.D.		15	N.D.		15	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-133	N.D.	UX	0.812	N.D.		11.7	N.D.		17.9	N.D.		17.3	N.D.		18	N.D.		18	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-134	1.89	JX	N.V.P.	N.D.		32.1	N.D.		15.2	N.D.		14.6	N.D.		15	N.D.		15	N.D.		16	N.D.		16	N.D.	U	23	N.D.	U	19
PCB-135	9.53	IXBC$_{135/15}$	N.V.P.	N.D.	C$_{135/151}$	44.8	N.D.	C$_{135/151}$	42.3	N.D.	C$_{135/151}$	40.7	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	30	N.D.	C$_{135/151}$	31	N.D.	U	46	N.D.	U	39
PCB-136	6.3	JXB	N.V.P.	N.D.		15.6	N.D.		14.7	N.D.		14.2	N.D.		15	N.D.		14	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-137	N.D.	UX	0.739	N.D.		14.6	N.D.		18.9	N.D.		18.2	N.D.		19	N.D.		19	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19
PCB-138	33.2	BC$_{129/138/1}$	N.V.P.	N.D.	C$_{129/138/163}$	61.3	N.D.	C$_{129/138/163}$	51.3	N.D.	C$_{129/138/163}$	49.3	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	50	N.D.	C$_{129/138/163}$	27	N.D.	C$_{129/138/163}$	28	N.D.	U	81	N.D.	U	39
PCB-139	N.D.	UXC$_{139/14}$	0.76	N.D.	C$_{139/140}$	28.2	N.D.	C$_{139/140}$	32.3	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	18	N.D.	C$_{139/140}$	18	N.D.	U	46	N.D.	U	39
PCB-140	N.D.	UXC$_{139/14}$	0.76	N.D.	C$_{139/140}$	28.2	N.D.	C$_{139/140}$	32.3	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	18	N.D.	C$_{139/140}$	18	N.D.	U	46	N.D.	U	39
PCB-141	7.77	JXB	N.V.P.	N.D.		16.6	N.D.		22.1	N.D.		21.2	N.D.		22	N.D.		22	N.D.		5.6	N.D.		5.8	N.D.	U	23	N.D.	U	22
PCB-142	N.D.	UX	0.886	N.D.		16.6	N.D.		17.5	N.D.		16.8	N.D.		17	N.D.		17	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19
PCB-143	N.D.	UX	0.906	N.D.		32.1	N.D.		16.8	N.D.		16.1	N.D.		17	N.D.		16	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19
PCB-144	1.07	JXE	N.V.P.	N.D.		14.6	N.D.		16.4	N.D.		15.8	N.D.		16	N.D.		16	N.D.		20	N.D.		20	N.D.	U	23	N.D.	U	19
PCB-145	N.D.	UX	0.72	N.D.		15.6	N.D.		15.1	N.D.		14.5	N.D.		15	N.D.		15	N.D.		22	N.D.		22	N.D.	U	23	N.D.	U	19
PCB-146	3.61	JXB	N.V.P.	N.D.		13.6	N.D.		15.3	N.D.		14.7	N.D.		15	N.D.		15	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19
PCB-147	21.5	XBC$_{147/149}$	N.V.P.	N.D.	C$_{147/149}$	34.1	N.D.	C$_{147/149}$	28.1	N.D.	C$_{147/149}$	27.1	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	19	N.D.	C$_{147/149}$	19	N.D.	U	50	N.D.	U	42
PCB-148	N.D.	UX	0.767	N.D.		13.6	N.D.		15.6	N.D.		15	N.D.		16	N.D.		15	N.D.		15	N.D.		15	N.D.	U	23	N.D.	U	19
PCB-149	21.5	XBC$_{147/149}$	N.V.P.	N.D.	C$_{147/149}$	34.1	N.D.	C$_{147/149}$	28.1	N.D.	C$_{147/149}$	27.1	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	19	N.D.	C$_{147/149}$	19	N.D.	U	50	N.D.	U	42
PCB-150	N.D.	UX	0.731	N.D.		14.6	N.D.		16.4	N.D.		15.8	N.D.		16	N.D.		16	N.D.		18	N.D.		18	N.D.	U	23	N.D.	U	19
PCB-151	9.53	IXBC$_{135/15}$	N.V.P.	N.D.	C$_{135/151}$	44.8	N.D.	C$_{135/151}$	42.3	N.D.	C$_{135/151}$	40.7	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	30	N.D.	C$_{135/151}$	30	N.D.	U	46	N.D.	U	39

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-03																																
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025				
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water				
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL		
PCBs (Method 1668A) pg/L																																	
PCB-152	N.D.	UX	0.648	N.D.		13.6	N.D.		14.3	N.D.		13.8	N.D.		14	N.D.		14	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19			
PCB-153	22.7	$XBC_{153/168}$	N.V.P.	31.6	$JBC_{153/168}$	29.2	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	28.9	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	30	22	JI $C_{153/168}$	17	N.D.		17	N.D.	U	59	N.D.	U	50			
PCB-154	N.D.	UX	0.698	N.D.		44.8	N.D.		45.9	N.D.		44.2	N.D.		46	N.D.		45	N.D.		42	N.D.		44	N.D.	U	23	N.D.	U	19			
PCB-155	N.D.	UX	0.717	N.D.		13.6	N.D.		15.4	N.D.		14.8	N.D.		15	N.D.		15	N.D.		19	N.D.		19	N.D.	U	23	N.D.	U	19			
PCB-156	5.12	$XBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.4	N.D.	$C_{156/157}$	34.2	N.D.	$C_{156/157}$	32.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	27	N.D.	$C_{156/157}$	28	N.D.	U	23	N.D.	U	39			
PCB-157	5.12	$XBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.4	N.D.	$C_{156/157}$	34.2	N.D.	$C_{156/157}$	32.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	27	N.D.	$C_{156/157}$	28	N.D.	U	46	N.D.	U	39			
PCB-158	3.21	JBX	N.V.P.	N.D.		15.6	N.D.		18.3	N.D.		17.6	N.D.		18	N.D.		18	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19			
PCB-159	1.57	JX	N.V.P.	N.D.		13.6	N.D.		19.7	N.D.		19	N.D.		20	N.D.		18	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19			
PCB-160	N.D.	UX	0.685	N.D.		61.3	N.D.		19.4	N.D.		18.7	N.D.		19	N.D.		19	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19			
PCB-161	N.D.	UX	0.604	N.D.		12.7	N.D.		17	N.D.		16.3	N.D.		17	N.D.		17	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19			
PCB-162	N.D.	UX	0.872	N.D.		12.7	N.D.		19.2	N.D.		18.5	N.D.		19	N.D.		19	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19			
PCB-163	33.2	$BC_{129/138/1}$	N.V.P.	N.D.	$C_{129/138/16}$	61.3	N.D.	$C_{129/138/16}$	51.3	N.D.	$C_{129/138/16}$	49.3	N.D.	$C_{129/138/16}$	51	N.D.	$C_{129/138/16}$	50	N.D.	$C_{129/138/1}$ 63	27	N.D.	$C_{129/138/1}$ 63	28	N.D.	U	81	N.D.	U	39			
PCB-164	2.67	JXB	N.V.P.	N.D.		14.6	N.D.		17.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		6.6	N.D.		6.8	N.D.	U	23	N.D.	U	19			
PCB-165	N.D.	UX	0.653	N.D.		12.7	N.D.		17	N.D.		16.3	N.D.		17	N.D.		17	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19			
PCB-166	5.47	$BXC_{128/16}$	N.V.P.	N.D.	$C_{128/166}$	28.2	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	37.5	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	38	N.D.	$C_{128/166}$	17	N.D.	$C_{128/166}$	17	N.D.	U	46	N.D.	U	39			
PCB-167	1.48	JX	N.V.P.	N.D.		12.7	N.D.		16.7	N.D.		16	N.D.		17	N.D.		16	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19			
PCB-168	22.7	$XBC_{153/168}$	N.V.P.	31.6	$JBC_{153/168}$	29.2	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	28.9	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	36	22	JI $C_{153/168}$	17	N.D.		17	N.D.	U	59	N.D.	U	50			
PCB-169	N.D.	UX	0.929	N.D.		14.6	N.D.		18.2	N.D.		17.5	N.D.		18	N.D.		18	N.D.		17	N.D.		17	N.D.	U	23	N.D.	U	19			
PCB-170	55.1	XB	N.V.P.	N.D.		11.7	N.D.		17.4	N.D.		16.7	N.D.		17	N.D.		17	N.D.		10	N.D.		11	N.D.	U	48	N.D.	U	41			
PCB-171	9.44	$XBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	29.2	N.D.	$C_{171/173}$	36.9	N.D.	$C_{171/173}$	35.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	15	N.D.	$C_{171/173}$	15	N.D.	U	46	N.D.	U	39			
PCB-172	6.17	JX	N.V.P.	N.D.		12.7	N.D.		15.5	N.D.		14.9	N.D.		15	N.D.		15	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19			
PCB-173	9.44	$XBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	29.2	N.D.	$C_{171/173}$	36.9	N.D.	$C_{171/173}$	35.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	15	N.D.	$C_{171/173}$	15	N.D.	U	46	N.D.	U	39			
PCB-174	32.2	XB	N.V.P.	N.D.		14.6	N.D.		17.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		10	N.D.		11	N.D.	U	54	N.D.	U	46			
PCB-175	N.D.	UX	1.29	N.D.		13.6	N.D.		20.5	N.D.		19.7	N.D.		21	N.D.		20	N.D.		11	N.D.		12	N.D.	U	23	N.D.	U	19			
PCB-176	2.2	JX	N.V.P.	N.D.		11.7	N.D.		15.8	N.D.		15.2	N.D.		16	N.D.		16	N.D.		5.6	N.D.		5.8	N.D.	U	23	N.D.	U	19			
PCB-177	18	XB	N.V.P.	N.D.		10.7	N.D.		17.5	N.D.		16.9	N.D.		18	N.D.		17	N.D.		8.5	N.D.		8.7	N.D.	U	28	N.D.	U	23			
PCB-178	4.1	JXB	N.V.P.	N.D.		13.6	N.D.		26	N.D.		25	N.D.		26	N.D.		26	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19			
PCB-179	6.71	JXB	N.V.P.	N.D.		13.6	N.D.		13.8	N.D.		13.3	N.D.		14	N.D.		14	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19			
PCB-180	105	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29.2	N.D.	$C_{180/193}$	28.5	N.D.	$C_{180/193}$	27.5	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	18	N.D.	$C_{180/193}$	18	N.D.	U	58	N.D.	U	49			
PCB-181	N.D.	UX	1.24	N.D.		12.7	N.D.		20.4	N.D.		19.6	N.D.		20	N.D.		20	N.D.		7.5	N.D.		7.7	N.D.	U	23	N.D.	U	19			
PCB-182	N.D.	UX	1.19	N.D.		12.7	N.D.		23.2	N.D.		22.4	N.D.		23	N.D.		23	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19			
PCB-183	11.4	XB	N.V.P.	N.D.	$C_{183/185}$	27.3	N.D.	$C_{183/185}$	50.9	N.D.	$C_{183/185}$	49	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	21	N.D.	$C_{183/185}$	21	N.D.	U	48	N.D.	U	41			
PCB-184	N.D.	UX	0.75	N.D.		13.6	N.D.		15.9	N.D.		15.3	N.D.		16	N.D.		16	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19			
PCB-185	2.33	JX	N.V.P.	N.D.	$C_{183/185}$	27.3	N.D.	$C_{183/185}$	50.9	N.D.	$C_{183/185}$	49	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	21	N.D.	$C_{183/185}$	21	N.D.	U	48	N.D.	U	41			
PCB-186	N.D.	UX	0.718	N.D.		14.6	N.D.		16.8	N.D.		16.1	N.D.		17	N.D.		16	N.D.		10	N.D.		11	N.D.	U	23	N.D.	U	19			
PCB-187	21.6	XB	N.V.P.	N.D.		16.6	N.D.		20	N.D.		19.2	N.D.		20	N.D.		20	N.D.		10	N.D.		11	N.D.	U	44	N.D.	U	37			
PCB-188	N.D.	UX	0.741	N.D.		14.6	N.D.		79.6	N.D.		76.6	N.D.		80	N.D.		78	N.D.		44	N.D.		45	N.D.	U	23	N.D.	U	19			
PCB-189	2.62	JX	N.V.P.	N.D.		12.7	N.D.		17.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		14	N.D.		15	N.D.	U	23	N.D.	U	19			
PCB-190	11.7	XB	N.V.P.	N.D.		13.6	N.D.		19.4	N.D.		18.7	N.D.		19	N.D.		19	N.D.		15	N.D.		15	N.D.	U	23	N.D.	U	19			
PCB-191	1.29	JXE	N.V.P.	N.D.		12.7	N.D.		15.7	N.D.		15.1	N.D.		16	N.D.		15	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19			
PCB-192	N.D.	UX	1.09	N.D.		12.7	N.D.		17.6	N.D.		17	N.D.		18	N.D.		17	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19			
PCB-193	105	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29.2	N.D.	$C_{180/193}$	28.5	N.D.	$C_{180/193}$	27.5	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	18	N.D.	$C_{180/193}$	18	N.D.	U	58	N.D.	U	49			
PCB-194	47.6	XB	N.V.P.	N.D.		17.5	N.D.		28.1	N.D.		27.1	N.D.		28	N.D.		28	N.D.		11	N.D.		12	N.D.	U	30	N.D.	U	53			
PCB-195	17.4	XB	N.V.P.	N.D.		21.4	N.D.		27.4	N.D.		26.3	N.D.		27	N.D.		27	N.D.		13	N.D.		14	N.D.	U	23	N.D.	U	19			
PCB-196	21.2	XB	N.V.P.	N.D.		19.5	N.D.		23.3	N.D.		22.5	N.D.		23	N.D.		23	11	J I	10	N.D.		11	N.D.	U	23	N.D.	U	19			
PCB-197	N.D.	UX	0.543	N.D.	$C_{197/200}$	41.9	N.D.	$C_{197/200}$	77.8	N.D.	$C_{197/200}$	74.9	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	13	N.D.	$C_{197/200}$	14	N.D.	U	46	N.D.	U	39			
PCB-198	37.9	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	36	N.D.	$C_{198/199}$	48.7	N.D.	$C_{198/199}$	46.9	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	17	N.D.	$C_{198/199}$	17	N.D.	U	46	N.D.	U	39			
PCB-199	37.9	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	36	N.D.	$C_{198/199}$	48.7	N.D.	$C_{198/199}$	46.9	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	17	N.D.	$C_{198/199}$	17	N.D.	U	46	N.D.	U	39			
PCB-200	3.1	JX	N.V.P.	N.D.	$C_{197/200}$	41.9	N.D.	$C_{197/200}$	77.8	N.D.	$C_{197/200}$	74.9	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	13	N.D.	$C_{197/200}$	14	N.D.	U	46	N.D.	U	39			
PCB-201	1.83	JXBE	N.V.P.	N.D.		19.5	N.D.		97.6	N.D.		94	N.D.		98	N.D.		96	N.D.		46	N.D.		47	N.D.	U	23	N.D.	U	19			
PCB-202	2.1	JXBE	N.V.P.	N.D.		23.4	N.D.		27.5	N.D.		26.5	N.D.		28	N.D.		27	N.D.		8.5	N.D.		8.7	N.D.	U	23	N.D.	U	19			
PCB-203	23.8	XB	N.V.P.	N.D.		17.5	N.D.		20.9	N.D.		20.1	N.D.		21	N.D.		21	N.D.		12	N.D.		13	N.D.	U	23	N.D.	U	50			
PCB-204	N.D.	UX	0.612	N.D.		20.4	N.D.		22.4	N.D.		21.5	N.D.		22	N.D.		22	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19			
PCB-205	2.88	JX	N.V.P.	N.D.		14.6	N.D.		27.3	N.D.		26.2	N.D.		27	N.D.		27	N.D.		6.6	N.D.		6.8	N.D.	U	23	N.D.	U	19			
PCB-206	11.4	X	N.V.P.	N.D.		15.6	N.D.		24.7	N.D.		23.8	N.D.		25	N.D.		24	N.D.		6.6	10	J B	6.8	N.D.	U	23	N.D.	U	56			
PCB-207	N.D.	UX	1.69	N.D.		18.5	N.D.		24	N.D.		23.1	N.D.		24	N.D.		24	N.D.		9.4	N.D.		9.7	N.D.	U	23	N.D.	U	19			
PCB-208	N.D.	UX	1.82	N.D.		15.6	N.D.		25.9	N.D.		24.9	N.D.		26	N.D.		25	N.D.		52	N.D.		53	N.D.	U	36	N.D.	U	30			
PCB-209	1.13	JXE	N.V.P.	N.D.		15.6	N.D.		357	N.D.		343	N.D.		360	N.D.		350	N.D.		230	N.D.		230	N.D.	U	46	N.D.	U	39			

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D.	Analyte was not detected
	Substance was detected in the method blank, not considered to represent actual groundwater conditions
N.S.	Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-04						MW-04R																							
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	2233.12	-	-	N.S.	-	-	33.7	-	-	134.3	-	-	40	-	-	5.1	-	-	N.D.	-	-	359.2	-	-	N.D.	-	-	N.D.	-	-
PCB-1	N.D.	UX	1.94	N.S.			N.D.		48.1	N.D.		49	N.D.		49	N.D.		49	N.D.		20	N.D.		17	N.D.	U	44	N.D.	U	45
PCB-2	N.D.	UX	2.22	N.S.			N.D.		70.5	N.D.		71.8	N.D.		72	N.D.		72	N.D.		17	N.D.		16	N.D.	U	22	N.D.	U	34
PCB-3	N.D.	UX	2.52	N.S.			N.D.		39.6	N.D.		40.4	N.D.		40	N.D.		40	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	34
PCB-4	N.D.	UX	3.44	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	5.1	J I	4.8	N.D.		24	N.D.		21	N.D.	U	32	N.D.	U	33
PCB-5	N.D.	UX	4.5	N.S.			N.D.		7.46	N.D.		7.6	N.D.		7.6	N.D.		7.6	N.D.		22	N.D.		19	N.D.	U	22	N.D.	U	23
PCB-6	N.D.	UX	4.62	N.S.			N.D.		13.3	N.D.		13.6	N.D.		14	N.D.		14	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-7	N.D.	UX	4.31	N.S.			N.D.		7.89	N.D.		8.04	N.D.		8	N.D.		8	N.D.		17	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-8	N.D.	UX	4.59	N.S.			N.D.		10	N.D.		10.2	N.D.		10	N.D.		10	N.D.		17	N.D.		16	N.D.	U	32	N.D.	U	33
PCB-9	N.D.	UX	4.91	N.S.			N.D.		8.35	N.D.		8.51	N.D.		8.5	N.D.		8.5	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-10	N.D.	UX	2.29	N.S.			N.D.		5.15	N.D.		5.25	N.D.		5.3	N.D.		5.2	N.D.		24	N.D.		21	N.D.	U	22	N.D.	U	23
PCB-11	11.8	X	N.V.P.	N.S.			N.D.		130	N.D.		132	N.D.		130	N.D.		130	N.D.		120	N.D.		110	N.D.	U	66	N.D.	U	140
PCB-12	N.D.	UXC$_{12/13}$	4.62	N.S.			N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	37	N.D.	C$_{12/13}$	33	N.D.	U	22	N.D.	U	23
PCB-13	N.D.	UXC$_{12/13}$	4.62	N.S.			N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	37	N.D.	C$_{12/13}$	33	N.D.	U	22	N.D.	U	23
PCB-14	N.D.	UX	4.02	N.S.			N.D.		1.9	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		22	N.D.		19	N.D.	U	22	N.D.	U	23
PCB-15	N.D.	UX	5.25	N.S.			N.D.		8.09	N.D.		8.24	N.D.		8.2	N.D.		8.2	N.D.		22	N.D.		19	N.D.	U	22	N.D.	U	23
PCB-16	N.D.	UX	8.39	N.S.			N.D.		1.9	N.D.		5.17	N.D.		5.2	N.D.		5.1	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-17	N.D.	UX	5.66	N.S.			N.D.		5.84	N.D.		5.95	N.D.		6	N.D.		5.9	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-18	N.D.	UXC$_{18/30}$	4.83	N.S.			N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.71	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	26	N.D.	C$_{18/30}$	23	N.D.	U	44	N.D.	U	45
PCB-19	N.D.	UX	6.39	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		12	N.D.		11	N.D.	U	26	N.D.	U	27
PCB-20	4.25	JXC$_{20/28}$	N.V.P.	N.S.			N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.8	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	31	N.D.	C$_{20/28}$	27	N.D.	U	44	N.D.	U	45
PCB-21	N.D.	UXC$_{21/33}$	3.17	N.S.			N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.71	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	32	N.D.	C$_{21/33}$	28	N.D.	U	44	N.D.	U	45
PCB-22	N.D.	UX	3.39	N.S.			N.D.		5.65	N.D.		5.76	N.D.		5.8	N.D.		5.7	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-23	N.D.	UX	3.19	N.S.			N.D.		4.8	N.D.		4.89	N.D.		4.9	N.D.		4.9	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-24	N.D.	UX	4.12	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-25	N.D.	UX	3.15	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-26	N.D.	UXC$_{26/29}$	3.19	N.S.			N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.5	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	39	N.D.	C$_{26/29}$	35	N.D.	U	44	N.D.	U	45
PCB-27	N.D.	UX	4.17	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-28	4.25	JXC$_{20/28}$	N.V.P.	N.S.			N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.8	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	31	N.D.	C$_{20/28}$	27	N.D.	U	44	N.D.	U	45
PCB-29	N.D.	UXC$_{26/29}$	3.19	N.S.			N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.5	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	39	N.D.	C$_{26/29}$	35	N.D.	U	44	N.D.	U	45
PCB-30	N.D.	UXC$_{18/30}$	4.83	N.S.			N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.71	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	26	N.D.	C$_{18/30}$	23	N.D.	U	22	N.D.	U	45
PCB-31	4.43	JX	N.V.P.	N.S.			N.D.		11.1	N.D.		11.4	N.D.		11	N.D.		11	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	47
PCB-32	N.D.	UX	3.99	N.S.			N.D.		4.83	N.D.		4.92	N.D.		4.9	N.D.		4.9	N.D.		8.7	N.D.		7.8	N.D.	U	22	N.D.	U	23
PCB-33	N.D.	UXC$_{21/33}$	3.17	N.S.			N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.71	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	32	N.D.	C$_{21/33}$	28	N.D.	U	44	N.D.	U	45
PCB-34	N.D.	UX	3.32	N.S.			N.D.		5.55	N.D.		5.66	N.D.		5.7	N.D.		5.6	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-35	N.D.	UX	3.48	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		21	N.D.		18	N.D.	U	22	N.D.	U	23
PCB-36	N.D.	UX	3.06	N.S.			N.D.		6.82	N.D.		6.95	N.D.		7	N.D.		6.9	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-37	N.D.	UX	4.01	N.S.			N.D.		5.49	N.D.		5.59	N.D.		5.6	N.D.		5.6	N.D.		8.7	N.D.		7.8	N.D.	U	22	N.D.	U	28
PCB-38	N.D.	UX	3.36	N.S.			N.D.		4.76	N.D.		4.85	N.D.		4.9	N.D.		4.8	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-39	N.D.	UX	3.05	N.S.			N.D.		5.9	N.D.		6.02	N.D.		6	N.D.		6	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-40	N.D.	UXC$_{40/71}$	2.84	N.S.			N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.5	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	44	N.D.	U	45
PCB-41	N.D.	UX	3.03	N.S.			N.D.		12.6	N.D.		12.8	N.D.		13	N.D.		13	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-42	N.D.	UX	3.04	N.S.			N.D.		13.5	N.D.		13.8	N.D.		14	N.D.		14	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-43	N.D.	UX	4.31	N.S.			N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		9.7	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-44	43.7	XC$_{44/47/65}$	N.V.P.	N.S.			N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	26	N.D.	C$_{44/47/65}$	23	N.D.	U	66	N.D.	U	76
PCB-45	N.D.	UX	2.4	N.S.			N.D.		11	N.D.		11.3	N.D.		11	N.D.		11	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-46	N.D.	UX	3.38	N.S.			N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		9.7	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-47	43.7	XC$_{44/47/65}$	N.V.P.	N.S.			N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	26	N.D.	C$_{44/47/65}$	23	N.D.	U	66	N.D.	U	76
PCB-48	N.D.	UX	2.77	N.S.			N.D.		12	N.D.		12.2	N.D.		12	N.D.		45	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-49	2.82	JXEC$_{49/69}$	N.V.P.	N.S.			N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.5	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	20	N.D.	C$_{49/69}$	20	N.D.	U	44	N.D.	U	45
PCB-50	N.D.	UXC$_{50/53}$	2.77	N.S.			N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.9	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	99	N.D.	C$_{50/53}$	88	N.D.	U	44	N.D.	U	45
PCB-51	30.7	X	N.V.P.	N.S.			N.D.		30.1	N.D.		30.7	N.D.		31	N.D.		31	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-52	9.23	JX	N.V.P.	N.S.			N.D.		20.1	36.8	J	20.5	N.D.		20	N.D.		20	N.D.		13	20	J	12	N.D.	U	22	N.D.	U	74
PCB-53	N.D.	UXC$_{50/53}$	2.77	N.S.			N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.9	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	99	N.D.	C$_{50/53}$	88	N.D.	U	44	N.D.	U	45
PCB-54	N.D.	UX	2.76	N.S.			N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		9.7	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-55	N.D.	UX	3.15	N.S.			N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		12	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-56	N.D.	UX	3.19	N.S.			N.D.		10.3	N.D.		10.5	N.D.		10	N.D.		10	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-57	N.D.	UX	3.09	N.S.			N.D.		13	N.D.		13.3	N.D.		13	N.D.		13	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-58	N.D.	UX	3	N.S.			N.D.		12.4	N.D.		12.6	N.D.		13	N.D.		13	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-59	N.D.	JXC$_{59/62/75}$	2.05	N.S.			N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	66	N.D.	U	68
PCB-60	N.D.	UX	3.1	N.S.			N.D.		12	N.D.		12.2	N.D.		12	N.D.		12	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-61	8.02	EC$_{61/70/74/76}$	N.V.P.	N.S.			N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	33	N.D.	C$_{61/70/74/76}$	29	N.D.	U	88	N.D.	U	90
PCB-62	N.D.	JXC$_{59/62/75}$	2.05	N.S.			N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	66	N.D.	U	68
PCB-63	N.D.	UX	2.74	N.S.			N.D.		12.3	N.D.		12.5	N.D.		13	N.D.		12	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-64	N.D.	UX	1.94	N.S.			N.D.		10.5	11.9	J	10.7	N.D.		11	N.D.		11	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-65	43.7	XC$_{44/47/65}$	N.V.P.	N.S.			N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	26	N.D.	C$_{44/47/65}$	23	N.D.	U	66	N.D.	U	76
PCB-66	N.D.	UX	3.07	N.S.			N.D.		10.5	14.7	J	10.7	N.D.		11	N.D.		11	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-67	N.D.	UX	2.92	N.S.			N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		12	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-68	5.72	JXE	N.V.P.	N.S.			N.D.		14.6	N.D.		14.9	N.D.		15	N.D.		15	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-69	2.82	JXEC$_{49/69}$	N.V.P.	N.S.			N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.5	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	20	N.D.	C$_{49/69}$	20	N.D.	U	44	N.D.	U	45
PCB-70	8.02	EC$_{61/70/74/76}$	N.V.P.	N.S.			N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	33	N.D.	C$_{61/70/74/76}$	29	N.D.	U	88	N.D.	U	90
PCB-71	N.D.	UXC$_{40/71}$	2.84	N.S.			N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.5	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	44	N.D.	U	45
PCB-72	N.D.	UX	2.99	N.S.			N.D.		15	N.D.		15.2	N.D.		15	N.D.		15	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-73	N.D.	UX	1.89	N.S.			N.D.		19.8	N.D.		20.2	N.D.		20	N.D.		20	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-74	8.02	EC$_{61/70/74/76}$	N.V.P.	N.S.			N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	33	N.D.	C$_{61/70/74/76}$	29	N.D.	U	88	N.D.	U	90
PCB-75	N.D.	JXC$_{59/62/75}$	2.05	N.S.			N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	66	N.D.	U	68
PCB-76	8.02	EC$_{61/70/74/76}$	N.V.P.	N.S.			N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	33	N.D.	C$_{61/70/74/76}$	29	N.D.	U	88	N.D.	U	90
PCB-77	N.D.	UX	3.44	N.S.			N.D.		10	N.D.		10.2	N.D.		10	N.D.		10	N.D.		21	N.D.		18	N.D.	U	22	N.D.	U	23
PCB-78	N.D.	UX	3.33	N.S.			N.D.		13.4	N.D.		13.7	N.D.		14	N.D.		14	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-79	N.D.	UX	2.8	N.S.			N.D.		13.5	N.D.		13.8	N.D.		14	N.D.		14	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-80	N.D.	UX	2.69	N.S.			N.D.		15.8	N.D.		16.1	N.D.		16	N.D.		16	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-81	N.D.	UX	3.5	N.S.			N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		9.7	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-82	N.D.	UX	2.01	N.S.			N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		12	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-83	N.D.	UX	1.8	N.S.			N.D.		12	N.D.		12.2	N.D.		12	N.D.		12	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-84	N.D.	UX	1.98	N.S.			N.D.		11.3	N.D.		11.6	N.D.		12	N.D.		11	N.D.		27	N.D.		24	N.D.	U	22	N.D.	U	23
PCB-85	N.D.	UXC$_{85/116}$	1.69	N.S.			N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	37	N.D.	C$_{85/116/117}$	33	N.D.	U	66	N.D.	U	68
PCB-86	9	6/87/97/108/1	N.V.P.	N.S.			N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	124	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-87	9	6/87/97/108/1	N.V.P.	N.S.			N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	124	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-88	N.D.	UX	1.6	N.S.			N.D.		14.2	N.D.		14.5	N.D.		14	N.D.		14	N.D.		19	N.D.		19	N.D.	U	22	N.D.	U	23
PCB-89	N.D.	UX	1.85	N.S.			N.D.		14.2	N.D.		14.5	N.D.		14	N.D.		14	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-90	18.5	BC$_{90/101/1}$	N.V.P.	N.S.			N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40.1	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	44	N.D.	C$_{90/101/113}$	39	N.D.	U	66	N.D.	U	24
PCB-91	N.D.	UX	1.74	N.S.			N.D.		11.3	N.D.		11.6	N.D.		12	N.D.		11	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-92	N.D.	UX	1.77	N.S.			N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		15	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-93	N.D.	UXC$_{93/100}$	1.58	N.S.			N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.9	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	27	N.D.	C$_{93/100}$	24	N.D.	U	44	N.D.	U	45
PCB-94	N.D.	UX	1.85	N.S.			N.D.		13.2	N.D.		13.5	N.D.		14	N.D.		13	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-95	14.9	XB	N.V.P.	N.S.			19.8	J	14.7	27.0	J	15	40		15	N.D.		15	N.D.		13	28	J	12	N.D.	U	22	N.D.	U	23

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-04						MW-04R																							
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-96	N.D.	UX	1.6	N.S.			N.D.		12.3	N.D.		12.5	N.D.		13	N.D.		12	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-97	9	$_{86/87/97/108/1}$	N.V.P.	N.S.			N.D.	$_{87/97/109/11}$	122	N.D.	$_{87/97/109/11}$	124	N.D.	$_{87/97/109/11}$	120	N.D.	$_{87/97/109/11}$	120	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	160	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-98	N.D.	UX	2.42	N.S.			N.D.	$C_{98/102}$	39.3	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	32	N.D.	$C_{98/102}$	28	N.D.	U	44	N.D.	U	45
PCB-99	4.85	JXE	N.V.P.	N.S.			N.D.		13.9	14.3	J	14.2	N.D.		14	N.D.		14	N.D.		13	13	J	12	N.D.	U	22	N.D.	U	23
PCB-100	N.D.	$UXC_{93/100}$	1.58	N.S.			N.D.	$C_{93/100}$	29.3	N.D.	$C_{93/100}$	29.9	N.D.	$C_{93/100}$	30	N.D.	$C_{93/100}$	30	N.D.	$C_{93/100}$	27	N.D.	$C_{93/100}$	24	N.D.	U	44	N.D.	U	45
PCB-101	18.5	$BC_{90/101/1}$	N.V.P.	N.S.			N.D.	$C_{90/101/113}$	39.3	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	44	N.D.	$C_{90/101/113}$	39	N.D.	U	66	N.D.	U	68
PCB-102	N.D.	UX	1.43	N.S.			N.D.	$C_{98/102}$	39.3	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	32	N.D.	$C_{98/102}$	28	N.D.	U	44	N.D.	U	45
PCB-103	N.D.	UX	1.61	N.S.			N.D.		17.4	N.D.		17.8	N.D.		18	N.D.		18	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-104	N.D.	UX	1.61	N.S.			N.D.		12.1	N.D.		12.3	N.D.		12	N.D.		12	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-105	13.9	XB	N.V.P.	N.S.			N.D.		12.3	N.D.		12.5	N.D.		13	N.D.		12	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-106	N.D.	UX	1.36	N.S.			N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		15	N.D.		21	N.D.		18	N.D.	U	22	N.D.	U	23
PCB-107	N.D.	$UXC_{107/124}$	1.31	N.S.			N.D.		15.4	N.D.		15.7	N.D.		16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-108	9	$JXC_{86/87/97/108/119/125}$	N.V.P.	N.S.			N.D.	$C_{108/124}$	30.3	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	28	N.D.	$C_{108/124}$	25	N.D.	U	44	N.D.	U	45
PCB-109	N.D.	UX	1.15	N.S.			N.D.	$_{87/97/109/11}$	122	N.D.	$_{87/97/109/11}$	124	N.D.	$_{87/97/109/11}$	120	N.D.	$_{87/97/109/11}$	120	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	160	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-110	19.3	XB	N.V.P.	N.S.			N.D.	$C_{110/115}$	58.2	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	59	N.D.	$C_{110/115}$	59	N.D.	$C_{110/115}$	28	39	J	25	N.D.	U	44	N.D.	U	45
PCB-111	N.D.	UX	1.22	N.S.			N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-112	N.D.	UX	1.47	N.S.			N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		17	N.D.		17	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-113	18.5	$BC_{90/101/1}$	N.V.P.	N.S.			N.D.	$C_{90/101/113}$	39.3	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	44	N.D.	$C_{90/101/113}$	39	N.D.	U	66	N.D.	U	68
PCB-114	N.D.	UX	1.33	N.S.			N.D.		14.7	N.D.		15	N.D.		15	N.D.		15	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-115	N.D.	UX	1.43	N.S.			N.D.	$C_{110/115}$	58.2	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	59	N.D.	$C_{110/115}$	59	N.D.	$C_{110/115}$	28	N.D.	$C_{110/115}$	28	N.D.	U	44	N.D.	U	45
PCB-116	N.D.	$UXC_{85/116}$	1.69	N.S.			N.D.	$C_{85/116/117}$	64.8	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	37	N.D.	$C_{85/116/117}$	33	N.D.	U	66	N.D.	U	68
PCB-117	N.D.	UX	1.03	N.S.			N.D.	$C_{85/116/117}$	64.8	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	37	N.D.	$C_{85/116/117}$	33	N.D.	U	66	N.D.	U	68
PCB-118	19.2	XB	N.V.P.	N.S.			13.9	J	12.9	29.6	J	13.1	N.D.		13	N.D.		13	N.D.		19	19	J	16	N.D.	U	22	N.D.	U	23
PCB-119	9	$_{86/87/97/108/1}$	N.V.P.	N.S.			N.D.	$_{87/97/109/11}$	122	N.D.	$_{87/97/109/11}$	124	N.D.	$_{87/97/109/11}$	120	N.D.	$_{87/97/109/11}$	120	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	160	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-120	N.D.	UX	1.21	N.S.			N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-121	N.D.	UX	1.23	N.S.			N.D.		13.7	N.D.		14	N.D.		14	N.D.		14	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-122	N.D.	UX	1.38	N.S.			N.D.		12.9	N.D.		13.1	N.D.		13	N.D.		13	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-123	N.D.	UX	1.32	N.S.			N.D.		12.5	N.D.		12.7	N.D.		13	N.D.		13	N.D.		24	N.D.		21	N.D.	U	22	N.D.	U	23
PCB-124	N.D.	$UXC_{107/124}$	1.31	N.S.			N.D.	$C_{108/124}$	30.3	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	28	N.D.	$C_{108/124}$	25	N.D.	U	44	N.D.	U	45
PCB-125	9	$JXC_{86/87/97/108/119/125}$	N.V.P.	N.S.			N.D.	$_{87/97/109/11}$	122	N.D.	$_{87/97/109/11}$	124	N.D.	$_{87/97/109/11}$	120	N.D.	$_{87/97/109/11}$	120	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	160	N.D.	$C_{86/87/97/1}$ $_{09/119/125}$	150	N.D.	U	130	N.D.	U	140
PCB-126	N.D.	UX	1.56	N.S.			N.D.		15.8	N.D.		16.1	N.D.		16	N.D.		16	N.D.		32	N.D.		28	N.D.	U	22	N.D.	U	23
PCB-127	N.D.	UX	1.33	N.S.			N.D.		17.8	N.D.		18.2	N.D.		18	N.D.		18	N.D.		7.7	N.D.		6.8	N.D.	U	22	N.D.	U	23
PCB-128	15.9	$XBC_{128/166}$	N.V.P.	N.S.			N.D.	$C_{128/166}$	37.9	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	38	N.D.	$C_{128/166}$	20	N.D.	$C_{128/166}$	17	N.D.	U	44	N.D.	U	45
PCB-129	130	$BC_{129/138/1}$	N.V.P.	N.S.			N.D.	$C_{129/138/163}$	49.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/1}$ $_{63}$	32	38	J	28	N.D.	U	77	N.D.	U	79
PCB-130	3.56	JX	N.V.P.	N.S.			N.D.		17.6	N.D.		18	N.D.		18	N.D.		18	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-131	N.D.	UX	1.29	N.S.			N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		15	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-132	28.4	XB	N.V.P.	N.S.			N.D.		14.5	N.D.		14.8	N.D.		15	N.D.		15	N.D.		12	12	J	11	N.D.	U	22	N.D.	U	23
PCB-133	N.D.	UX	1.23	N.S.			N.D.		17.4	N.D.		17.8	N.D.		18	N.D.		18	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-134	2.68	JX	N.V.P.	N.S.			N.D.		14.8	N.D.		15	N.D.		15	N.D.		15	N.D.		19	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-135	25.5	$XBC_{135/151}$	N.V.P.	N.S.			N.D.	$C_{135/151}$	41	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	35	N.D.	$C_{135/151}$	31	N.D.	U	44	N.D.	U	45
PCB-136	10.5	JXB	N.V.P.	N.S.			N.D.		14.3	N.D.		14.6	N.D.		15	N.D.		14	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-137	N.D.	UX	1.12	N.S.			N.D.		18.4	N.D.		18.7	N.D.		19	N.D.		19	N.D.		13	N.D.		13	N.D.	U	22	N.D.	U	23
PCB-138	130	$BC_{129/138/1}$	N.V.P.	N.S.			N.D.	$C_{129/138/163}$	49.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/1}$ $_{63}$	32	38	J	28	N.D.	U	77	N.D.	U	79
PCB-139	N.D.	$UXC_{139/14}$	1.15	N.S.			N.D.	$C_{139/140}$	31.3	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	21	N.D.	$C_{139/140}$	19	N.D.	U	44	N.D.	U	45
PCB-140	N.D.	$UXC_{139/14}$	1.15	N.S.			N.D.	$C_{139/140}$	31.3	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	21	N.D.	$C_{139/140}$	18	N.D.	U	44	N.D.	U	45
PCB-141	31.7	XB	N.V.P.	N.S.			N.D.		21.4	N.D.		21.8	N.D.		22	N.D.		22	N.D.		6.6	7.2	J	5.8	N.D.	U	25	N.D.	U	26
PCB-142	N.D.	UX	1.34	N.S.			N.D.		17	N.D.		17.3	N.D.		17	N.D.		17	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-143	N.D.	UX	1.37	N.S.			N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-144	4.03	JX	N.V.P.	N.S.			N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		16	N.D.		23	N.D.		20	N.D.	U	22	N.D.	U	23
PCB-145	N.D.	UX	1.24	N.S.			N.D.		14.7	N.D.		15	N.D.		15	N.D.		15	N.D.		25	N.D.		22	N.D.	U	22	N.D.	U	23
PCB-146	11.3	XB	N.V.P.	N.S.			N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		15	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-147	66.1	$XBC_{147/149}$	N.V.P.	N.S.			N.D.	$C_{147/149}$	27.3	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	22	29	J	19	N.D.	U	47	N.D.	U	48
PCB-148	N.D.	UX	1.16	N.S.			N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		15	N.D.		17	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-149	66.1	$XBC_{147/149}$	N.V.P.	N.S.			N.D.	$C_{147/149}$	27.3	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	22	29	J	19	N.D.	U	47	N.D.	U	48
PCB-150	N.D.	UX	1.25	N.S.			N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		16	N.D.		21	N.D.		18	N.D.	U	22	N.D.	U	23
PCB-151	25.5	$XBC_{135/151}$	N.V.P.	N.S.			N.D.	$C_{135/151}$	41	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	35	N.D.	$C_{135/151}$	35	N.D.	U	44	N.D.	U	45
PCB-152	N.D.	UX	1.11	N.S.			N.D.		13.9	N.D.		14.2	N.D.		14	N.D.		14	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-153	97.6	$XBC_{153/168}$	N.V.P.	N.S.			N.D.	$C_{153/168}$	29.1	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	20	35	J	17	N.D.	U	56	N.D.	U	58
PCB-154	N.D.	UX	1.06	N.S.			N.D.		44.6	N.D.		45.4	N.D.		45	N.D.		45	N.D.		49	N.D.		44	N.D.	U	22	N.D.	U	23
PCB-155	N.D.	UX	1.23	N.S.			N.D.		15	N.D.		15.2	N.D.		15	N.D.		15	N.D.		22	N.D.		19	N.D.	U	22	N.D.	U	23
PCB-156	19.1	$XBC_{156/157}$	N.V.P.	N.S.			N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	32	N.D.	$C_{156/157}$	28	N.D.	U	44	N.D.	U	45
PCB-157	19.1	$XBC_{156/157}$	N.V.P.	N.S.			N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	32	N.D.	$C_{156/157}$	28	N.D.	U	44	N.D.	U	45
PCB-158	12.8	JBXE	N.V.P.	N.S.			N.D.		17.8	N.D.		18.2	N.D.		18	N.D.		18	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-159	4.88	JX	N.V.P.	N.S.			N.D.		19.1	N.D.		19.5	N.D.		20	N.D.		19	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-160	N.D.	UX	1.04	N.S.			N.D.		18.9	N.D.		19.2	N.D.		19	N.D.		19	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-161	N.D.	UX	0.916	N.S.			N.D.		16.5	N.D.		16.8	N.D.		17	N.D.		17	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-162	N.D.	UX	1.14	N.S.			N.D.		18.7	N.D.		19	N.D.		19	N.D.		19	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-163	130	$BC_{129/138/1}$	N.V.P.	N.S.			N.D.	$C_{129/138/163}$	49.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/1}$ $_{63}$	32	38	J	28	N.D.	U	77	N.D.	U	79
PCB-164	9.31	JXBE	N.V.P.	N.S.			N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		17	N.D.		7.7	N.D.		6.7	N.D.	U	22	N.D.	U	23
PCB-165	N.D.	UX	0.992	N.S.			N.D.		16.5	N.D.		16.8	N.D.		17	N.D.		17	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-166	15.9	$XBC_{128/166}$	N.V.P.	N.S.			N.D.	$C_{128/166}$	37.9	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	38	N.D.	$C_{128/166}$	20	N.D.	$C_{128/166}$	17	N.D.	U	44	N.D.	U	45
PCB-167	4.52	JX	N.V.P.	N.S.			N.D.		16.2	N.D.		16.5	N.D.		17	N.D.		16	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-168	97.6	$XBC_{153/168}$	N.V.P.	N.S.			N.D.	$C_{153/168}$	29.1	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	20	35	J	17	N.D.	U	56	N.D.	U	58
PCB-169	N.D.	UX	1.46	N.S.			N.D.		17.7	N.D.		18.1	N.D.		18	N.D.		18	N.D.		20	N.D.		17	N.D.	U	22	N.D.	U	23
PCB-170	176	XB	N.V.P.	N.S.			N.D.		16.9	N.D.		17.2	N.D.		17	N.D.		17	N.D.		12	N.D.		11	N.D.	U	46	N.D.	U	47
PCB-171	34.8	$XBC_{171/17}$	N.V.P.	N.S.			N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	17	N.D.	$C_{171/173}$	16	N.D.	U	44	N.D.	U	45
PCB-172	25.9	X	N.V.P.	N.S.			N.D.		15	N.D.		15.3	N.D.		15	N.D.		15	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-173	34.8	$XBC_{171/17}$	N.V.P.	N.S.			N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	17	N.D.	$C_{171/173}$	16	N.D.	U	44	N.D.	U	45
PCB-174	131	XB	N.V.P.	N.S.			N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		17	N.D.		12	11	J	11	N.D.	U	52	N.D.	U	53
PCB-175	3.26	JX	N.V.P.	N.S.			N.D.		19.9	N.D.		20.3	N.D.		20	N.D.		20	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	23
PCB-176	5.93	JXE	N.V.P.	N.S.			N.D.		15.3	N.D.		15.6	N.D.		16	N.D.		16	N.D.		6.6	N.D.		5.8	N.D.	U	22	N.D.	U	23
PCB-177	67.7	XB	N.V.P.	N.S.			N.D.		17	N.D.		17.4	N.D.		17	N.D.		17	N.D.		9.8	N.D.		8.7	N.D.	U	26	N.D.	U	27
PCB-178	16.7	XB	N.V.P.	N.S.			N.D.		25.2	N.D.		25.7	N.D.		26	N.D.		26	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-179	23.4	XB	N.V.P.	N.S.			N.D.		13.4	N.D.		13.7	N.D.		14	N.D.		14	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-180	390	$XBC_{180/193}$	N.V.P.	N.S.			N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	21	28	J	18	N.D.	U	55	N.D.	U	56
PCB-181	N.D.	UX	1.74	N.S.			N.D.		19.8	N.D.		20.2	N.D.		20	N.D.		20	N.D.		8.7	N.D.		7.8	N.D.	U	22	N.D.	U	23
PCB-182	N.D.	UX	1.67	N.S.			N.D.		22.6	N.D.		23	N.D.		23	N.D.		23	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-04						MW-04R																							
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-183	48.5	XB	N.V.P.	N.S.			N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	24	N.D.	$C_{183/185}$	21	N.D.	U	46	N.D.	U	47
PCB-184	N.D.	UX	1.02	N.S.			N.D.		15.4	N.D.		15.7	N.D.		16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-185	12	X	N.V.P.	N.S.			N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	24	N.D.	$C_{183/185}$	21	N.D.	U	46	N.D.	U	47
PCB-186	N.D.	UX	0.976	N.S.			N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		17	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-187	97.6	XB	N.V.P.	N.S.			N.D.		19.4	N.D.		19.8	N.D.		20	N.D.		20	N.D.		12	14	J	11	N.D.	U	42	N.D.	U	43
PCB-188	N.D.	UX	1.01	N.S.			N.D.		77.3	N.D.		78.8	N.D.		79	N.D.		78	N.D.		51	N.D.		46	N.D.	U	22	N.D.	U	23
PCB-189	5.53	JXE	N.V.P.	N.S.			N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		17	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	23
PCB-190	36.4	XB	N.V.P.	N.S.			N.D.		18.9	N.D.		19.2	N.D.		19	N.D.		19	N.D.		17	N.D.		16	N.D.	U	22	N.D.	U	23
PCB-191	6.49	JXE	N.V.P.	N.S.			N.D.		15.2	N.D.		15.5	N.D.		16	N.D.		15	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-192	N.D.	UX	1.53	N.S.			N.D.		17.1	N.D.		17.5	N.D.		17	N.D.		17	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-193	390	$XBC_{180/193}$	N.V.P.	N.S.			N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	21	28	J	18	N.D.	U	55	N.D.	U	56
PCB-194	104	XB	N.V.P.	N.S.			N.D.		27.3	N.D.		27.9	N.D.		28	N.D.		28	N.D.		13	18	J	12	N.D.	U	29	N.D.	U	62
PCB-195	41.9	XBE	N.V.P.	N.S.			N.D.		26.6	N.D.		27.1	N.D.		27	N.D.		27	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	23
PCB-196	61.4	XB	N.V.P.	N.S.			N.D.		22.7	N.D.		23.1	N.D.		23	N.D.		23	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	23
PCB-197	2.16	JXE	N.V.P.	N.S.			N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	14	N.D.	U	44	N.D.	U	45
PCB-198	122	$XBC_{198/199}$	N.V.P.	N.S.			N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	20	20	J	17	N.D.	U	44	N.D.	U	45
PCB-199	122	$XBC_{198/199}$	N.V.P.	N.S.			N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	20	20	J	17	N.D.	U	44	N.D.	U	45
PCB-200	11.3	X	N.V.P.	N.S.			N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	14	N.D.	U	44	N.D.	U	45
PCB-201	7.94	JXB	N.V.P.	N.S.			N.D.		94.9	N.D.		96.7	N.D.		97	N.D.		96	N.D.		54	N.D.		47	N.D.	U	22	N.D.	U	23
PCB-202	9.3	JXB	N.V.P.	N.S.			N.D.		26.8	N.D.		27.3	N.D.		27	N.D.		27	N.D.		9.8	N.D.		8.7	N.D.	U	22	N.D.	U	23
PCB-203	74	XB	N.V.P.	N.S.			N.D.		20.3	N.D.		20.7	N.D.		21	N.D.		21	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	59
PCB-204	N.D.	UX	0.979	N.S.			N.D.		21.7	N.D.		22.1	N.D.		22	N.D.		22	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-205	4.82	JXE	N.V.P.	N.S.			N.D.		26.5	N.D.		27	N.D.		27	N.D.		27	N.D.		7.7	N.D.		6.8	N.D.	U	22	N.D.	U	23
PCB-206	20.1	X	N.V.P.	N.S.			N.D.		24	N.D.		24.5	N.D.		24	N.D.		24	N.D.		7.7	28	J B	6.8	N.D.	U	22	N.D.	U	65
PCB-207	3.33	JX	N.V.P.	N.S.			N.D.		23.3	N.D.		23.8	N.D.		24	N.D.		24	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	23
PCB-208	3.64	JX	N.V.P.	N.S.			N.D.		25.1	N.D.		25.6	N.D.		26	N.D.		26	N.D.		60	N.D.		53	N.D.	U	34	N.D.	U	35
PCB-209	2.12	JX	N.V.P.	N.S.			N.D.		347	N.D.		353	N.D.		350	N.D.		350	N.D.		260	N.D.		230	N.D.	U	44	N.D.	U	45

Notes:

1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
Lmethod blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-05						MW-05R																							
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	580.91	-	-	N.S.	-	-	33631	-	-	4619.4	-	-	5184	-	-	763	-	-	193	-	-	5306.7	-	-	1571	-	-	5864	-	-
PCB-1	N.D.	UX	2.88		N.S.		N.D.		48.1	N.D.		48.6	N.D.		49	N.D.		49	N.D.		19	N.D.		18	N.D.	U	39	N.D.	U	39
PCB-2	N.D.	UX	3		N.S.		N.D.		70.5	N.D.		71.2	N.D.		72	N.D.		72	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	29
PCB-3	N.D.	UX	3.4		N.S.		N.D.		39.6	N.D.		40	N.D.		41	N.D.		41	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	29
PCB-4	N.D.	UX	3.8		N.S.		9.13	J	4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		23	N.D.		22	N.D.	U	28	N.D.	U	28
PCB-5	N.D.	UX	3.51		N.S.		N.D.		7.46	N.D.		7.53	N.D.		7.6	N.D.		7.6	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-6	N.D.	UX	3.6		N.S.		N.D.		13.3	N.D.		13.5	N.D.		14	N.D.		14	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-7	N.D.	UX	3.36		N.S.		N.D.		7.89	N.D.		7.96	N.D.		8.1	N.D.		8.1	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-8	N.D.	UX	3.58		N.S.		N.D.		10	N.D.		10.1	N.D.		10	N.D.		10	N.D.		17	N.D.		16	N.D.	U	28	N.D.	U	28
PCB-9	N.D.	UX	3.83		N.S.		N.D.		8.35	N.D.		8.43	N.D.		8.06	N.D.		8.5	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-10	N.D.	UX	2.53		N.S.		N.D.		5.15	N.D.		5.2	N.D.		5.3	N.D.		5.3	N.D.		23	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-11	16.2	X	N.V.P.		N.S.		N.D.		130	N.D.		131	N.D.		130	N.D.		130	N.D.		110	N.D.		110	N.D.	U	58	N.D.	U	120
PCB-12	N.D.	UXC$_{12/13}$	3.61		N.S.		N.D.		21	N.D.	C$_{12/13}$	21.3	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	35	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	19
PCB-13	N.D.	UXC$_{12/13}$	3.61		N.S.		N.D.		21	N.D.	C$_{12/13}$	21.3	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	22	N.D.	C$_{12/13}$	35	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	19
PCB-14	N.D.	UX	3.13		N.S.		N.D.		1.9	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-15	N.D.	UX	4.1		N.S.		N.D.		8.09	N.D.		8.16	N.D.		8.3	N.D.		8.3	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-16	N.D.	UX	7.37		N.S.		8.66	J	1.9	N.D.		5.12	N.D.		5.2	N.D.		5.2	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-17	N.D.	UX	4.98		N.S.		6.87	J	5.84	N.D.		5.89	N.D.		6	N.D.		6	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-18	N.D.	UXC$_{18/30}$	4.24		N.S.		15.7	JC18/30	9.52	N.D.	C$_{18/30}$	9.62	N.D.	C$_{18/30}$	9.8	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	25	N.D.	C$_{18/30}$	23	N.D.	U	39	N.D.	U	39
PCB-19	N.D.	UX	5.61		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		11	N.D.		11	N.D.	U	23	N.D.	U	23
PCB-20	N.D.	UXC$_{20/28}$	3.21		N.S.		37.3	JC20/28	15.5	N.D.	C$_{20/28}$	15.7	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	29	N.D.	C$_{20/28}$	27	N.D.	U	39	N.D.	U	39
PCB-21	N.D.	UXC$_{21/33}$	3.13		N.S.		11.0	JC21/33	9.52	N.D.	C$_{21/33}$	9.62	N.D.	C$_{21/33}$	9.8	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	30	N.D.	C$_{21/33}$	28	N.D.	U	39	N.D.	U	39
PCB-22	N.D.	UX	3.36		N.S.		12.2	J	5.65	N.D.		5.7	N.D.		5.8	N.D.		5.8	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-23	N.D.	UX	3.16		N.S.		N.D.		4.8	N.D.		4.85	N.D.		4.9	N.D.		4.9	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-24	N.D.	UX	3.63		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-25	N.D.	UX	3.12		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-26	N.D.	UXC$_{26/29}$	3.16		N.S.		N.D.		28	N.D.	C$_{26/29}$	28.3	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	37	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	39
PCB-27	N.D.	UX	3.66		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-28	N.D.	UXC$_{20/28}$	3.21		N.S.		37.3	JC20/28	15.5	N.D.	C$_{20/28}$	15.7	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	29	N.D.	C$_{20/28}$	27	N.D.	U	39	N.D.	U	39
PCB-29	N.D.	UXC$_{26/29}$	3.16		N.S.		N.D.		28	N.D.	C$_{26/29}$	28.3	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	37	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	39
PCB-30	N.D.	UXC$_{18/30}$	4.24		N.S.		15.7	JC18/30	9.52	N.D.	C$_{18/30}$	9.62	N.D.	C$_{18/30}$	9.8	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	25	N.D.	C$_{18/30}$	23	N.D.	U	39	N.D.	U	39
PCB-31	N.D.	UX	3.07		N.S.		35.8	J	11.1	N.D.		11.3	N.D.		11	N.D.		11	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	41
PCB-32	N.D.	UX	3.51		N.S.		9.76	J	4.83	N.D.		4.88	N.D.		4.9	N.D.		4.9	N.D.		8.3	N.D.		7.8	N.D.	U	19	N.D.	U	19
PCB-33	N.D.	UXC$_{21/33}$	3.13		N.S.		11.0	JC21/33	9.52	N.D.	C$_{21/33}$	9.62	N.D.	C$_{21/33}$	9.8	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	30	N.D.	C$_{21/33}$	28	N.D.	U	39	N.D.	U	39
PCB-34	N.D.	UX	3.28		N.S.		N.D.		5.55	N.D.		5.61	N.D.		5.7	N.D.		5.7	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-35	N.D.	UX	3.44		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-36	N.D.	UX	3.03		N.S.		N.D.		6.82	N.D.		6.88	N.D.		7	N.D.		7	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-37	N.D.	UX	3.97		N.S.		11.2	J	5.49	N.D.		5.54	N.D.		5.6	N.D.		5.6	N.D.		8.3	N.D.		7.8	N.D.	U	19	N.D.	U	24
PCB-38	N.D.	UX	3.32		N.S.		N.D.		4.76	N.D.		4.81	N.D.		4.9	N.D.		4.9	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-39	N.D.	UX	3.02		N.S.		N.D.		5.9	N.D.		5.96	N.D.		6	N.D.		6	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-40	N.D.	UXC$_{40/71}$	2.23		N.S.		60.4	JC40/71	19.1	N.D.	C$_{40/71}$	19.3	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	39	N.D.	U	39
PCB-41	N.D.	UX	2.37		N.S.		N.D.		12.6	N.D.		12.7	N.D.		13	N.D.		12	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-42	N.D.	UX	2.38		N.S.		29.0	J	13.5	N.D.		13.7	N.D.		14	N.D.		14	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-43	N.D.	UX	3.38		N.S.		N.D.		9.52	N.D.		9.62	N.D.		9.8	N.D.		9.7	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-44	41.9	XC$_{44/47/65}$	N.V.P.		N.S.		312	C44/47/65	37	65.7	JC$_{44/47/65}$	37.4	57	JC$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	25	58	J	23	N.D.	U	58	82	J	65
PCB-45	N.D.	UX	1.88		N.S.		N.D.		11	N.D.		11.2	N.D.		11	N.D.		11	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-46	N.D.	UX	2.65		N.S.		N.D.		9.52	N.D.		9.62	N.D.		9.8	N.D.		9.7	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-47	41.9	XC$_{44/47/65}$	N.V.P.		N.S.		312	C44/47/65	37	65.7	JC$_{44/47/65}$	37.4	57	JC$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	25	58	J	23	N.D.	U	58	82	J	65
PCB-48	N.D.	UX	2.17		N.S.		14.7	J	12	N.D.		12.1	N.D.		12	N.D.		12	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-49	N.D.	UXC$_{49/69}$	1.85		N.S.		163	C49/69	24	30.9	JC$_{49/69}$	24.2	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	19	24	J I	18	N.D.	U	39	N.D.	U	39
PCB-50	N.D.	UXC$_{50/53}$	2.17		N.S.		N.D.	C50/53	90.2	N.D.	C$_{50/53}$	91.1	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	94	N.D.	C$_{50/53}$	89	N.D.	U	39	N.D.	U	39
PCB-51	29.9	X	N.V.P.		N.S.		N.D.		30.1	N.D.		30.4	N.D.		31	N.D.		31	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-52	4.52	JX	N.V.P.		N.S.		824		20.1	162		20.3	140		21	37	J	21	21	J	12	160		12	N.D.	U	19	180		64
PCB-53	N.D.	UXC$_{50/53}$	2.17		N.S.		N.D.	C50/53	90.2	N.D.	C$_{50/53}$	91.1	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	94	N.D.	C$_{50/53}$	89	N.D.	U	39	N.D.	U	39
PCB-54	N.D.	UX	3.37		N.S.		N.D.		9.52	N.D.		9.62	N.D.		9.8	N.D.		9.7	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-55	N.D.	UX	2.54		N.S.		N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		12	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-56	N.D.	UX	2.57		N.S.		103		10.3	15.8	J	10.4	15	J	11	N.D.		11	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-57	N.D.	UX	2.49		N.S.		N.D.		13	N.D.		13.2	N.D.		13	N.D.		13	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-58	N.D.	UX	2.42		N.S.		N.D.		12.4	N.D.		12.5	N.D.		13	N.D.		13	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-59	N.D.	UXC$_{59/62/75}$	1.61		N.S.		N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.1	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	58
PCB-60	N.D.	UX	2.5		N.S.		35.5	J	12	N.D.		12.1	N.D.		12	N.D.		12	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-61	3.9	JXC$_{61/70/74/7}$	N.V.P.		N.S.		933	C61/70/74/7	45.6	132	JC$_{61/70/74/7}$	46.1	130	JC$_{61/70/74/7}$	47	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	31	70	J	29	N.D.	U	77	100	J	77
PCB-62	N.D.	UXC$_{59/62/75}$	1.61		N.S.		N.D.	C$_{59/62/75}$	39.7	N.D.		40.1	N.D.		41	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	58
PCB-63	N.D.	UX	2.21		N.S.		N.D.		12.3	N.D.		12.4	N.D.		13	N.D.		13	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-64	N.D.	UX	1.52		N.S.		120		10.5	21.3	J	10.6	20	J I	11	N.D.		11	N.D.		10	16	J	9.8	N.D.	U	19	N.D.	U	19
PCB-65	41.9	XC$_{44/47/65}$	N.V.P.		N.S.		312	C44/47/65	37	65.7	JC$_{44/47/65}$	37.4	57	J C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	25	58	J	23	N.D.	U	58	82	J	65
PCB-66	N.D.	UX	2.47		N.S.		222		10.5	33.4	J	10.6	33	J I	11	N.D.		11	N.D.		11	22	J	11	N.D.	U	19	29	J	19
PCB-67	N.D.	UX	2.36		N.S.		N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		12	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-68	6.24	JXE	N.V.P.		N.S.		N.D.		14.6	N.D.		14.7	N.D.		15	N.D.		15	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-69	N.D.	UXC$_{49/69}$	1.85		N.S.		163	C49/69	24	30.9	JC$_{49/69}$	24.2	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	19	N.D.	C$_{49/69}$	19	N.D.	U	39	N.D.	U	39
PCB-70	3.9	JXC$_{61/70/74/7}$	N.V.P.		N.S.		933	C61/70/74/7	45.6	132	JC$_{61/70/74/7}$	46.1	130	JC$_{61/70/74/7}$	47	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	31	70	J	29	N.D.	U	77	100	J	77
PCB-71	N.D.	UXC$_{40/71}$	2.23		N.S.		60.4	J	19.1	N.D.	C$_{40/71}$	19.3	ND	C$_{40/71}$	20	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	39	N.D.	U	39
PCB-72	N.D.	UX	2.42		N.S.		N.D.		15	N.D.		15.1	ND		15	N.D.		15	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-73	N.D.	UX	1.48		N.S.		N.D.		19.8	N.D.		20	ND		20	N.D.		20	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-74	3.9	JXC$_{61/70/74/7}$	N.V.P.		N.S.		933		45.6	132	JC$_{61/70/74/7}$	46.1	130	JC$_{61/70/74/7}$	47	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	31	70	J	29	N.D.	U	77	100	J	77
PCB-75	N.D.	UXC$_{59/62/75}$	1.61		N.S.		N.D.		39.7	N.D.		40.1	ND		41	N.D.	C$_{59/62/75}$	41	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	58
PCB-76	3.9	JXC$_{61/70/74/7}$	N.V.P.		N.S.		933		45.6	132	JC$_{61/70/74/7}$	46.1	130	JC$_{61/70/74/7}$	47	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	31	70	J	29	N.D.	U	77	100	J	77
PCB-77	N.D.	UX	3.01		N.S.		28.9	J	10	N.D.		10.1	ND		10	N.D.		10	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-78	N.D.	UX	2.69		N.S.		N.D.		13.4	N.D.		13.6	ND		14	N.D.		14	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-79	N.D.	UX	2.26		N.S.		18.9	J	13.5	N.D.		13.7	ND		14	N.D.		14	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-80	N.D.	UX	2.17		N.S.		N.D.		15.8	N.D.		16	ND		16	N.D.		16	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-81	N.D.	UX	2.83		N.S.		N.D.		9.52	N.D.		9.62	ND		9.8	N.D.		9.7	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-82	N.D.	UX	1.81		N.S.		231		11.7	N.D.		11.8	36	J	12	N.D.		12	N.D.		13	39	J	13	N.D.	U	19	63	J	19
PCB-83	N.D.	UX	1.63		N.S.		92.3		12	16.6	J	12.1	15	J	12	N.D.		12	N.D.		16	30	J I	15	N.D.	U	19	N.D.	U	19
PCB-84	N.D.	UX	1.79		N.S.		482		11.3	95.4		11.4	92		12	25	J	12	N.D.		26	160		24	49	J	19	83		19
PCB-85	N.D.	UXC$_{85/116}$	1.52		N.S.		326		64.8	N.D.	C$_{85/116/117}$	65.4	ND	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	35	69	J	33	N.D.	U	58	65	J	58
PCB-86	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	JC$_{86/87/97/108/119/125}$	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-87	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	JC$_{86/87/97/108/119/125}$	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-88	N.D.	UX	1.44		N.S.		N.D.		14.2	N.D.		14.3	ND		15	N.D.		15	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-89	N.D.	UX	1.67		N.S.		N.D.		14.2	N.D.		14.3	ND		15	N.D.		15	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-90	7.34	XBC$_{90/101/1}$	N.V.P.		N.S.		2,170		39.3	375	C$_{90/101/113}$	39.7	360	C$_{90/101/113}$	40	92	JC$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	42	470	C$_{90/101/113}$	39	170	J	58	420		58
PCB-91	N.D.	UX	1.57		N.S.		197		11.3	38.1	J	11.4	46	J	12	N.D.		12	N.D.		16	66	J	15	24	J I	19	43	J	19
PCB-92	N.D.	UX	1.6		N.S.		N.D.		14.9	62.8	J	15	56	J	15	15	J	15	N.D.		12	87		12	31	J	19	70	J	19
PCB-93	N.D.	UXC$_{93/100}$	1.43		N.S.		N.D.		29.3	N.D.	C$_{93/100}$	29.6	ND	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	39
PCB-94	N.D.	UX	1.67		N.S.		N.D.		13.2	N.D.		13.4	ND		14	N.D.		14	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-95	5.84	JBXE	N.V.P.		N.S.		2,100		14.7	277		14.8	340	B	15	81		15	40	J I	12	490		12	170		19	380		19
PCB-96	N.D.	UX	1.53		N.S.		N.D.		12.3	N.D.		12.4	ND		13	N.D.		13	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-97	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	JC$_{86/87/97/108/119/125}$	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-98	N.D.	UX	2.19		N.S.		44.9	J	39.3	N.D.	C$_{98/102}$	39.7	ND	C$_{98/102}$	40	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	30	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	39
PCB-99	3.06	JX	N.V.P.		N.S.		860		13.9	151		14	140		14	32	J	14	N.D.		12	180		12	70	J	19	160		19
PCB-100	N.D.	UXC$_{93/100}$	1.43		N.S.		N.D.		29.3	N.D.	C$_{93/100}$	29.6	ND	C$_{93/100}$	30	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	39
PCB-101	7.34	XBC$_{90/101/1}$	N.V.P.		N.S.		2,170		39.3	375	C$_{90/101/113}$	39.7	360	C$_{90/101/113}$	40	92	JC$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	42	470	C$_{90/101/113}$	39	170	J	58	420		58
PCB-102	N.D.	UX	1.3		N.S.		44.9	J	39.3	N.D.	C$_{98/102}$	39.7	ND	C$_{98/102}$	40	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	30	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	39
PCB-103	N.D.	UX	1.45		N.S.		N.D.		17.4	N.D.		17.6	ND		18	N.D.		18	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-104	N.D.	UX	1.54		N.S.		N.D.		12.1	N.D.		12.2	ND		12	N.D.		12	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-105	4.36	JXB	N.V.P.		N.S.		815		12.3	130		12.4	130		13	27	J	13	12	J I	11	80		11	48	J	19	120		19
PCB-106	N.D.	UX	1.23		N.S.		N.D.		14.9	N.D.		15	ND		15	N.D.		15	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-107	N.D.	UXC$_{107/124}$	1.19		N.S.		148		15.4	19.0	J	15.6	21	J	16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-108	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		97.5	J	30.3	N.D.	C$_{108/124}$	30.6	ND		31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	27	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	39
PCB-109	N.D.	UX	1.04		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	/87/97/109/11	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-110	7.8	JXB	N.V.P.		N.S.		2,730		58.2	N.D.	C$_{110/115}$	58.8	400	C$_{110/115}$	60	100	JC$_{110/115}$	59	37	JC$_{110/115}$	27	500		25	200		39	500		39
PCB-111	N.D.	UX	1.11		N.S.		N.D.		16.3	N.D.		16.4	ND		17	N.D.		17	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-112	N.D.	UX	1.33		N.S.		N.D.		16.8	N.D.		16.9	ND		17	N.D.		17	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-113	7.34	XBC$_{90/101/1}$	N.V.P.		N.S.		2,170		39.3	375	C$_{90/101/113}$	39.7	360	C$_{90/101/113}$	40	92	JC$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	42	470	C$_{90/101/113}$	39	170	J	58	420		58
PCB-114	N.D.	UX	1.2		N.S.		44.1	J	14.7	N.D.		14.8	ND		15	N.D.		15	N.D.			N.D.		18	N.D.	U	19	N.D.	U	19
PCB-115	N.D.	UX	1.29		N.S.		2,730		58.2	N.D.	C$_{110/115}$	58.8	400	C$_{110/115}$	60	100	JC$_{110/115}$	59	37	JC$_{110/115}$	27	37	JC$_{110/115}$	27	200		39	500		39
PCB-116	N.D.	UXC$_{85/116}$	1.52		N.S.		326		64.8	N.D.	C$_{85/116/117}$	65.4	ND	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	35	69	J	33	N.D.	U	58	65	J	58
PCB-117	N.D.	UX	0.93		N.S.		326		64.8	N.D.	C$_{85/116/117}$	65.4	ND	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	35	69	J	33	N.D.	U	58	65	J	58
PCB-118	5.38	JXBE	N.V.P.		N.S.		2,200		12.9	326		13	310		13	61	J	13	29	J	18	200		17	110		19	290		19
PCB-119	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	JC$_{86/87/97/108/119/125}$	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-120	N.D.	UX	1.09		N.S.		N.D.		15.9	N.D.		16.1	ND		16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-121	N.D.	UX	1.12		N.S.		N.D.		13.7	N.D.		13.8	ND		14	N.D.		14	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-122	N.D.	UX	1.24		N.S.		27.1	J	12.9	N.D.		13	ND		13	N.D.		13	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-123	N.D.	UX	1.2		N.S.		34.0	J	12.5	N.D.		12.6	ND		13	N.D.		13	N.D.		23	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-124	N.D.	UXC$_{107/124}$	1.19		N.S.		97.5	J	30.3	N.D.	C$_{108/124}$	30.6	ND		31	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	27	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	39
PCB-125	3.77	JXC$_{86/87/97/108/119/125}$	N.V.P.		N.S.		1,370		122	N.D.	/87/97/109/11	123	240	JC$_{86/87/97/108/119/125}$	120	N.D.	/87/97/109/11	120	N.D.	C$_{86/87/97/109/119/125}$	160	270	J	150	N.D.	U	120	290	J	120
PCB-126	N.D.	UX	1.26		N.S.		N.D.		15.8	N.D.		16	ND		16	N.D.		16	N.D.		30	N.D.		28	N.D.	U	19	N.D.	U	19
PCB-127	N.D.	UX	1.14		N.S.		N.D.		17.8	N.D.		18	ND		18	N.D.		18	N.D.		7.3	N.D.		6.8	N.D.	U	19	N.D.	U	19
PCB-128	3.58	JBXC$_{128/166}$	N.V.P.		N.S.		419		37.9	72.8	JC$_{128/166}$	38.3	58	JC$_{128/166}$	39	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	19	70	J	18	N.D.	U	39	92	J	39
PCB-129	29.6	XBC$_{129/138/16}$	N.V.P.		N.S.		2,660		49.8	426	C$_{129/138/163}$	50.3	410	C$_{129/138/163}$	51	84	JC$_{129/138/16}$	51	N.D.	C$_{129/138/163}$	30	420		28	170	J	67	530		68
PCB-130	N.D.	UX	1.27		N.S.		162		17.6	25.0	J	17.8	25	J	18	N.D.		18	N.D.		11	28	J	11	N.D.	U	19	33	J	19
PCB-131	N.D.	UX	1.19		N.S.		39.9	J	15.1	N.D.		15.3	ND		16	N.D.		15	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-132	5.9	JXB	N.V.P.		N.S.		764		14.5	135		14.6	130		15	32	J	15	N.D.		11	170		11	54	J	19	170		19
PCB-133	N.D.	UX	1.13		N.S.		26.7	J	17.4	N.D.		17.6	ND		18	N.D.		18	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-134	N.D.	UX	1.15		N.S.		138		14.8	23.4	J	14.9	26	J	15	N.D.		15	N.D.		18	30	J	17	N.D.	U	19	32	J	19
PCB-135	5.35	JXBC$_{135/151}$	N.V.P.		N.S.		422		41	N.D.	C$_{135/151}$	41.4	84	JC$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	33	120	J	31	45	J	39	91	J	39
PCB-136	2.53	JXB	N.V.P.		N.S.		177		14.3	42.7	J	14.4	43	J	15	N.D.		15	N.D.		16	68	J	15	22	J	19	46	J	19
PCB-137	N.D.	UX	1.03		N.S.		152		18.4	25.0	J	18.6	27	J	19	N.D.		19	N.D.		12	28	J	12	N.D.	U	19	31	J	19
PCB-138	29.6	XBC$_{129/138/16}$	N.V.P.		N.S.		2,660		49.8	426	C$_{129/138/163}$	50.3	410	C$_{129/138/163}$	51	84	JC$_{129/138/16}$	51	N.D.	C$_{129/138/163}$	30	420		28	170	J	67	530		68
PCB-139	N.D.	UXC$_{139/140}$	1.06		N.S.		44.6	J	31.3	N.D.	C$_{139/140}$	31.6	ND	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	19	N.D.	U	39	N.D.	U	39
PCB-140	N.D.	UXC$_{139/140}$	1.06		N.S.		44.6	J	31.3	N.D.	C$_{139/140}$	31.6	ND	C$_{139/140}$	32	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	19	N.D.	U	39	N.D.	U	39
PCB-141	6.71	JXB	N.V.P.		N.S.		397		21.4	59.8	J	21.6	62	J	22	N.D.		22	N.D.		6.2	59	J	5.9	23	J	22	60	J	22
PCB-142	N.D.	UX	1.24		N.S.		N.D.		17	N.D.		17.1	N.D.		17	N.D.		17	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-143	N.D.	UX	1.26		N.S.		N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		17	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-144	N.D.	UX	1.08		N.S.		68.9	J	15.9	N.D.		16.1	N.D.		16	N.D.		16	N.D.		22	N.D.		21	N.D.	U	19	N.D.	U	19
PCB-145	N.D.	UX	1.1		N.S.		N.D.		14.7	N.D.		14.8	N.D.		15	N.D.		15	N.D.		24	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-146	2.64	JXBE	N.V.P.		N.S.		248		14.9	40.3	J	15	39	J	15	N.D.		15	N.D.		10	42	J	9.8	N.D.	U	19	56	J	19
PCB-147	13.6	XBEC$_{147/149}$	N.V.P.		N.S.		1,400	C$_{147/149}$	27.3	240	C$_{147/149}$	27.6	230	C$_{147/149}$	28	53	JC$_{147/149}$	28	23	JC$_{147/149}$	21	310		20	110	J	41	310		41
PCB-148	N.D.	UX	1.07		N.S.		N.D.		15.1	N.D.		15.3	N.D.		16	N.D.		15	N.D.			N.D.		16	N.D.	U	19	N.D.	U	19
PCB-149	13.6	XBEC$_{147/149}$	N.V.P.		N.S.		1,400	C$_{147/149}$	27.3	240	C$_{147/149}$	27.6	230	C$_{147/149}$	28	53	JC$_{147/149}$	28	23	JC$_{147/149}$	21	310		20	110	J	41	310		41
PCB-150	N.D.	UX	1.12		N.S.		N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		16	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-151	5.35	JXBC$_{135/151}$	N.V.P.		N.S.		422	C$_{135/151}$	41	N.D.	C$_{135/151}$	41.4	84	JC$_{135/151}$	42	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	33	N.D.	C$_{135/151}$	33	45	J	39	91	J	39
PCB-152	N.D.	UX	0.989		N.S.		N.D.		13.9	N.D.		14	N.D.		14	N.D.		14	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-153	20.2	XBC$_{153/168}$	N.V.P.		N.S.		1,660	C$_{153/168}$	29.1	269	C$_{153/168}$	29.4	250	C$_{153/168}$	30	57	JC$_{153/168}$	30	21	JC$_{153/168}$	19	280	JC$_{153/168}$	18	100	J	49	310		49
PCB-154	N.D.	UX	0.974		N.S.		N.D.		44.6	N.D.		45	N.D.		46	N.D.		46	N.D.		47	N.D.		44	N.D.	U	19	N.D.	U	19
PCB-155	N.D.	UX	1.09		N.S.		N.D.		15	N.D.		15.1	N.D.		15	N.D.		15	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-156	5.82	JXBC$_{156/157}$	N.V.P.		N.S.		311	C$_{156/157}$	33.2	52.1	JC$_{156/157}$	33.6	54	JC$_{156/157}$	34	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	30	32	J	28	N.D.	U	39	53	J	39

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-05						MW-05R																										
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			10/31/2025					
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water					
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL			
PCBs (Method 1668A) pg/L																																	
PCB-157	5.82	JXBC$_{156/157}$	N.V.P.	N.S.			311	C$_{156/157}$	33.2	52.1	JC$_{156/157}$	33.6	54	JC$_{156/157}$	34	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	30	33	J	29	N.D.	U	39	53	J	39			
PCB-158	2.8	JXB	N.V.P.	N.S.			284		17.8	44.7	J	18	39	J	18	N.D.		18	N.D.		11	37	J	11	N.D.	U	19	50	J	19			
PCB-159	N.D.	UX	1.04	N.S.			N.D.		19.1	N.D.		19.3	N.D.		20	N.D.		20	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19			
PCB-160	N.D.	UX	0.956	N.S.			N.D.		18.9	N.D.		19	N.D.		19	N.D.		19	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19			
PCB-161	N.D.	UX	0.842	N.S.			N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		17	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19			
PCB-162	N.D.	UX	1.04	N.S.			N.D.		18.7	N.D.		18.8	N.D.		19	N.D.		19	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19			
PCB-163	29.6	JBC$_{129/138/163}$	N.V.P.	N.S.			2,660	C$_{129/138/163}$	49.8	426	C$_{129/138/163}$	50.3	410	C$_{129/138/163}$	51	84	JC$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	30	420		28	170	J	67	530		68			
PCB-164	2.75	JXB	N.V.P.	N.S.			156		16.8	23.7	J	16.9	22	J	17	N.D.		17	N.D.		7.3	28	J	6.8	N.D.	U	19	29	J	19			
PCB-165	N.D.	UX	0.912	N.S.			N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		17	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19			
PCB-166	3.58	JBXC$_{128/166}$	N.V.P.	N.S.			419	C$_{128/166}$	37.9	72.8	JC$_{128/166}$	38.3	58	JC$_{128/166}$	39	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	19	70	J	18	N.D.	U	39	92	J	39			
PCB-167	N.D.	UX	1.05	N.S.			94.5		16.2	N.D.		16.3	18	J	17	N.D.		17	N.D.		11	14	J	11	N.D.	U	19	N.D.	U	19			
PCB-168	20.2	XBC$_{153/168}$	N.V.P.	N.S.			1,660	C$_{153/168}$	29.1	269	C$_{153/168}$	29.4	250	C$_{153/168}$	30	57	JC$_{153/168}$	30	21	JC$_{153/168}$	19	280	JC$_{153/168}$	18	100	J	49	310		49			
PCB-169	N.D.	UX	1.27	N.S.			N.D.		17.7	N.D.		17.9	N.D.		18	N.D.		18	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19			
PCB-170	38.6	XB	N.V.P.	N.S.			302		16.9	50.5	J	17	51	J	17	N.D.		17	N.D.		11	41	J	11	N.D.	U	40	54	J	41			
PCB-171	6.36	JXBC$_{171/173}$	N.V.P.	N.S.			91.5	JC171/173	35.8	N.D.	C$_{171/173}$	36.2	22	JIC$_{171/173}$	37	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	16	N.D.	U	39	N.D.	U	39			
PCB-172	3.51	JXE	N.V.P.	N.S.			45.0	J	15	N.D.		15.2	N.D.		15	N.D.		15	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19			
PCB-173	6.36	JXBC$_{171/173}$	N.V.P.	N.S.			91.5	JC171/173	35.8	N.D.	C$_{171/173}$	36.2	22	JIC$_{171/173}$	37	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	16	N.D.	U	39	N.D.	U	39			
PCB-174	27.7	XB	N.V.P.	N.S.			249		16.8	44.5	J	16.9	44	J I	17	N.D.		17	N.D.		11	39	J	11	N.D.	U	45	55	J	45			
PCB-175	N.D.	UX	1.44	N.S.			N.D.		19.9	N.D.		20.1	N.D.		20	N.D.		20	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19			
PCB-176	1.83	JXE	N.V.P.	N.S.			25.3	J	15.3	N.D.		15.5	N.D.		16	N.D.		16	N.D.		6.2	7	J	5.9	N.D.	U	19	N.D.	U	19			
PCB-177	14	XB	N.V.P.	N.S.			136		17	23.8	J	17.2	22	J I	17	N.D.		17	N.D.		9.3	19	J	8.8	N.D.	U	23	32	J	23			
PCB-178	3.23	JXB	N.V.P.	N.S.			44.5	J	25.2	N.D.		25.5	N.D.		26	N.D.		26	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19			
PCB-179	5.13	JXB	N.V.P.	N.S.			87.2		13.4	17.9	J	13.6	14	J	14	N.D.		14	N.D.		9.3	19	J	8.8	N.D.	U	19	23	J	19			
PCB-180	79.7	XBC$_{180/193}$	N.V.P.	N.S.			639	C$_{180/193}$	27.7	104	JC$_{180/193}$	28	94	JC$_{180/193}$	28	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	20	86	J	19	N.D.	U	48	110	J	48			
PCB-181	N.D.	UX	1.38	N.S.			N.D.		19.8	N.D.		20	N.D.		20	N.D.		20	N.D.		8.3	N.D.		7.8	N.D.	U	19	N.D.	U	19			
PCB-182	N.D.	UX	1.32	N.S.			N.D.		22.6	N.D.		22.8	N.D.		23	N.D.		23	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19			
PCB-183	10.5	JXB	N.V.P.	N.S.			176	C$_{183/185}$	49.4	N.D.		49.9	N.D.		51	N.D.	C$_{183/185}$	51	N.D.	C$_{183/185}$	23	28	J	22	N.D.	U	40	N.D.	U	41			
PCB-184	N.D.	UX	1.18	N.S.			N.D.		15.4	N.D.		15.6	N.D.		16	N.D.		16	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19			
PCB-185	1.39	JXE	N.V.P.	N.S.			176	C$_{183/185}$	49.4	N.D.		49.9	N.D.		51	N.D.	C$_{183/185}$	51	N.D.	C$_{183/185}$	23	28	J	22	N.D.	U	40	N.D.	U	41			
PCB-186	N.D.	UX	1.13	N.S.			N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		17	N.D.		11	N.D.		11	N.D.	U	19	N.D.	U	19			
PCB-187	19.8	XB	N.V.P.	N.S.			323		19.4	63.9	J	19.6	74	J I	20	N.D.		20	N.D.		11	58	J	11	N.D.	U	37	73	J	37			
PCB-188	N.D.	UX	1.17	N.S.			N.D.		77.3	N.D.		78.1	N.D.		79	N.D.		79	N.D.		49	N.D.		46	N.D.	U	19	N.D.	U	19			
PCB-189	1.56	JXE	N.V.P.	N.S.			N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		17	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19			
PCB-190	8.31	JXB	N.V.P.	N.S.			54.3	J	18.9	N.D.		19	N.D.		19	N.D.		19	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19			
PCB-191	N.D.	UX	1.17	N.S.			N.D.		15.2	N.D.		15.4	N.D.		16	N.D.		16	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19			
PCB-192	N.D.	UX	1.21	N.S.			N.D.		17.1	N.D.		17.3	N.D.		18	N.D.		18	N.D.		9.3	N.D.		8.8	N.D.	U	19	N.D.	U	19			
PCB-193	79.7	XBC$_{180/193}$	N.V.P.	N.S.			639	C$_{180/193}$	27.7	104	JC$_{180/193}$	28	94	JC$_{180/193}$	28	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	20	86	J	19	N.D.	U	48	110	J	48			
PCB-194	32.5	XB	N.V.P.	N.S.			282		27.3	53.4	J	27.6	74	J I	28	N.D.		28	N.D.		12	41	J	12	N.D.	U	25	N.D.	U	53			
PCB-195	11.1	JXB	N.V.P.	N.S.			39.0	J	26.6	N.D.		26.8	N.D.		27	N.D.		27	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19			
PCB-196	13	XB	N.V.P.	N.S.			74.4	J	22.7	N.D.		22.9	N.D.		23	N.D.		23	N.D.		11	12	J	11	N.D.	U	19	N.D.	U	19			
PCB-197	N.D.	UX	0.899	N.S.			N.D.	C$_{197/200}$	75.6	N.D.		76.3	N.D.		77	N.D.	C$_{197/200}$	77	N.D.	C$_{197/200}$	15	N.D.	C$_{197/200}$	14	N.D.	U	39	N.D.	U	39			
PCB-198	27.5	XBC$_{198/199}$	N.V.P.	N.S.			478	C$_{198/199}$	47.3	92.1	JC$_{198/199}$	47.8	77	JC$_{198/199}$	48	N.D.	C$_{198/199}$	48	N.D.	C$_{198/199}$	19	74	J	18	N.D.	U	39	110	J	39			
PCB-199	27.5	XBC$_{198/199}$	N.V.P.	N.S.			478	C$_{198/199}$	47.3	92.1	JC$_{198/199}$	47.8	77	JC$_{198/200}$	48	N.D.	C$_{198/199}$	48	N.D.	C$_{198/199}$	19	74	J	18	N.D.	U	39	110	J	39			
PCB-200	2.29	JX	N.V.P.	N.S.			N.D.	C$_{197/200}$	75.6	N.D.		76.3	N.D.		77	N.D.	C$_{197/200}$	77	N.D.	C$_{197/200}$	15	N.D.	C$_{197/200}$	14	N.D.	U	39	N.D.	U	39			
PCB-201	1.86	JXBE	N.V.P.	N.S.			N.D.		94.9	N.D.		95.8	N.D.		97	N.D.		97	N.D.		51	N.D.		48	N.D.	U	19	N.D.	U	19			
PCB-202	1.96	JXB	N.V.P.	N.S.			128		26.8	N.D.		27	N.D.		27	N.D.		27	N.D.		9.3	17	J	8.8	N.D.	U	19	26	J	19			
PCB-203	17.8	XB	N.V.P.	N.S.			225		20.3	41.0	J	20.5	37	J I	21	N.D.		21	N.D.		13	29	J	13	N.D.	U	19	N.D.	U	50			
PCB-204	N.D.	UX	1.01	N.S.			N.D.		21.7	N.D.		21.9	N.D.		22	N.D.		22	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19			
PCB-205	N.D.	UX	1.37	N.S.			N.D.		26.5	N.D.		26.7	N.D.		27	N.D.		27	N.D.		7.3	N.D.		6.8	N.D.	U	19	N.D.	U	19			
PCB-206	8.36	JX	N.V.P.	N.S.			1,110		24	191		24.2	160		25	31	J	25	10	J	7.3	110	J B	6.8	55	J	19	170		56			
PCB-207	N.D.	UX	1.77	N.S.			44.2	J	23.3	N.D.		23.6	N.D.		24	N.D.		24	N.D.		10	N.D.		9.8	N.D.	U	19	N.D.	U	19			
PCB-208	N.D.	UX	1.92	N.S.			292		25.1	52.8	J	25.4	47	J	26	36	J B	26	N.D.		57	N.D.		54	N.D.	U	30	53	J	30			
PCB-209	1.14	JXE	N.V.P.	N.S.			2,170		347	453	J	350	370	J	360	N.D.		350	N.D.		250	N.D.		230	120	J	39	390		39			

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C$_{xx}$ = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
method blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-06																													
Sampling Date	3/24/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/12/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	425.54	-	-	1540.9	-	-	N.D.	-	-	N.D.	-	-	40	-	-	N.D.	-	-	N.D.	-	-	1397	-	-	N.D.	-	-	N.D.	-	-
PCB-1	N.D.	UX	1.54	N.D.		9.61	N.D.		47.6	N.D.		48.1	N.D.		49	N.D.		55	N.D.		19	N.D.		18	N.D.	U	39	N.D.	U	38
PCB-2	N.D.	UX	1.66	N.D.		6.72	N.D.		69.8	N.D.		70.5	N.D.		72	N.D.		81	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	29
PCB-3	N.D.	UX	1.88	N.D.		10.6	N.D.		39.2	N.D.		39.6	N.D.		40	N.D.		45	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	29
PCB-4	N.D.	UX	4.14	N.D.		12.5	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		24	N.D.		22	N.D.	U	28	N.D.	U	28
PCB-5	N.D.	UX	2.74	N.D.		7.68	N.D.		7.39	N.D.		7.46	N.D.		7.6	N.D.		8.5	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-6	N.D.	UX	2.82	N.D.		6.72	N.D.		13.2	N.D.		13.3	N.D.		14	N.D.		15	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-7	N.D.	UX	2.63	N.D.		7.68	N.D.		7.81	N.D.		7.89	N.D.		8	N.D.		9	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-8	N.D.	UX	2.8	N.D.		14.4	N.D.		9.91	N.D.		10	N.D.		10	N.D.		11	N.D.		17	N.D.		16	N.D.	U	28	N.D.	U	28
PCB-9	N.D.	UX	2.99	N.D.		6.72	N.D.		8.27	N.D.		8.35	N.D.		8.5	N.D.		9.6	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-10	N.D.	UX	2.76	N.D.		12.5	N.D.		5.1	N.D.		5.15	N.D.		5.3	N.D.		5.9	N.D.		24	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-11	8.2	JX	N.V.P.	57	JB	32.7	N.D.		128	N.D.		130	N.D.		130	N.D.		150	N.D.		120	N.D.		110	N.D.	U	58	N.D.	U	120
PCB-12	N.D.	UXC$_{12/13}$	2.82	N.D.	C$_{12/13}$	18.3	N.D.	C$_{12/13}$	20.8	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	24	N.D.	C$_{12/13}$	36	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	19
PCB-13	N.D.	UXC$_{12/13}$	2.82	N.D.	C$_{12/13}$	18.3	N.D.	C$_{12/13}$	20.8	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	24	N.D.	C$_{12/13}$	36	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	19
PCB-14	N.D.	UX	2.45	N.D.		7.68	N.D.		1.89	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-15	N.D.	UX	3.2	N.D.		15.4	N.D.		8.01	N.D.		8.09	N.D.		8.2	N.D.		9.2	N.D.		21	22	J	20	N.D.	U	19	N.D.	U	19
PCB-16	N.D.	UX	5.08	N.D.		8.65	N.D.		1.89	N.D.		5.07	N.D.		5.2	N.D.		5.8	N.D.		15	75		14	N.D.	U	19	N.D.	U	19
PCB-17	N.D.	UX	3.43	N.D.		8.65	N.D.		5.78	N.D.		5.84	N.D.		6	N.D.		6.7	N.D.		12	90		11	N.D.	U	19	N.D.	U	19
PCB-18	N.D.	UXC$_{18/30}$	2.92	N.D.	C$_{18/30}$	15.4	N.D.	C$_{18/30}$	9.43	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	11	N.D.	C$_{18/30}$	26	200	C$_{18/30}$	23	N.D.	U	39	N.D.	U	38
PCB-19	N.D.	UX	3.87	N.D.		7.68	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		12	35		11	N.D.	U	23	N.D.	U	23
PCB-20	N.D.	UXC$_{20/28}$	2.74	22.3	JC$_{20/28}$	21.1	N.D.	C$_{20/28}$	15.4	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	18	N.D.	C$_{20/28}$	30	84	C$_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-21	4.12	JXC$_{21/33}$	N.V.P.	N.D.	C$_{21/33}$	20.2	N.D.	C$_{21/33}$	9.43	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	11	N.D.	C$_{21/33}$	31	46	J	28	N.D.	U	39	N.D.	U	38
PCB-22	N.D.	UX	2.87	N.D.		8.65	N.D.		5.59	N.D.		5.65	N.D.		5.8	N.D.		6.5	N.D.		15	28	J	14	N.D.	U	19	N.D.	U	19
PCB-23	N.D.	UX	2.7	N.D.		6.72	N.D.		4.75	N.D.		4.8	N.D.		4.9	N.D.		5.5	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-24	N.D.	UX	2.5	N.D.		9.61	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-25	N.D.	UX	2.66	N.D.		7.68	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-26	N.D.	UXC$_{26/29}$	2.7	N.D.	C$_{26/29}$	11.5	N.D.	C$_{26/29}$	27.7	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	32	N.D.	C$_{26/29}$	38	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	38
PCB-27	N.D.	UX	2.52	N.D.		7.68	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		12	13	J I	11	N.D.	U	19	N.D.	U	19
PCB-28	N.D.	UXC$_{20/28}$	2.74	22.3	JC$_{20/28}$	21.1	N.D.	C$_{20/28}$	15.4	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	18	N.D.	C$_{20/28}$	30	84	C$_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-29	N.D.	UXC$_{26/29}$	2.7	N.D.	C$_{26/29}$	11.5	N.D.	C$_{26/29}$	27.7	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	29	N.D.	C$_{26/29}$	32	N.D.	C$_{26/29}$	38	N.D.	C$_{26/29}$	35	N.D.	U	39	N.D.	U	38
PCB-30	N.D.	UXC$_{18/30}$	2.92	N.D.	C$_{18/30}$	15.4	N.D.	C$_{18/30}$	9.43	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	11	N.D.	C$_{18/30}$	26	200	C$_{18/30}$	35	N.D.	U	39	N.D.	U	38
PCB-31	N.D.	UX	2.62	18	J	17.3	N.D.		11	N.D.		11.1	N.D.		11	N.D.		13	N.D.		15	100		14	N.D.	U	19	N.D.	U	40
PCB-32	N.D.	UX	2.42	N.D.		7.68	N.D.		4.78	N.D.		4.83	N.D.		4.9	N.D.		5.5	N.D.		8.5	64		7.8	N.D.	U	19	N.D.	U	19
PCB-33	4.12	JXC$_{21/33}$	N.V.P.	N.D.	C$_{21/33}$	20.2	N.D.	C$_{21/33}$	9.43	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	11	N.D.	C$_{21/33}$	31	46	J	28	N.D.	U	39	N.D.	U	38
PCB-34	N.D.	UX	2.8	N.D.		6.72	N.D.		5.5	N.D.		5.55	N.D.		5.7	N.D.		6.3	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-35	N.D.	UX	2.94	N.D.		8.65	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-36	N.D.	UX	2.59	N.D.		7.68	N.D.		6.75	N.D.		6.82	N.D.		7	N.D.		7.8	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-37	N.D.	UX	3.39	N.D.		9.61	N.D.		5.43	N.D.		5.49	N.D.		5.6	N.D.		6.3	N.D.		8.5	10	J	7.8	N.D.	U	19	N.D.	U	24
PCB-38	N.D.	UX	2.84	N.D.		6.72	N.D.		4.72	N.D.		4.76	N.D.		4.9	N.D.		5.4	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-39	N.D.	UX	2.58	N.D.		7.68	N.D.		5.85	N.D.		5.9	N.D.		6	N.D.		6.8	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-40	N.D.	UXC$_{40/71}$	2.13	N.D.	C$_{40/71}$	40.3	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	22	N.D.	C$_{40/71}$	17	24	J	16	N.D.	U	39	N.D.	U	38
PCB-41	N.D.	UX	2.26	N.D.		40.3	N.D.		12.5	N.D.		12.6	N.D.		13	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-42	N.D.	UX	2.27	N.D.		15.4	N.D.		13.4	N.D.		13.5	N.D.		14	N.D.		15	N.D.		13	16	J I	12	N.D.	U	19	N.D.	U	19
PCB-43	N.D.	UX	3.22	N.D.		13.4	N.D.		9.43	N.D.		9.52	N.D.		9.7	N.D.		11	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-44	66.3	XC$_{44/47/65}$	N.V.P.	54.4	JC$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	36.7	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	12	61	J	23	N.D.	U	58	N.D.	U	64
PCB-45	N.D.	UX	1.79	N.D.		21.1	N.D.		10.9	N.D.		11	N.D.		11	N.D.		13	N.D.		19	26	J	18	N.D.	U	19	N.D.	U	19
PCB-46	N.D.	UX	2.53	N.D.		9.61	N.D.		9.43	N.D.		9.52	N.D.		9.7	N.D.		11	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-47	66.3	XC$_{44/47/65}$	N.V.P.	54.4	JC$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	36.7	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	12	61	J	23	N.D.	U	58	N.D.	U	64
PCB-48	N.D.	UX	2.07	N.D.		13.4	N.D.		11.9	N.D.		12	N.D.		12	N.D.		14	N.D.		9.6	17	J	8.8	N.D.	U	19	N.D.	U	19
PCB-49	2.36	JXC$_{49/69}$	N.V.P.	25.2	JC$_{49/69}$	25	N.D.	C$_{49/69}$	23.8	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	27	N.D.	C$_{49/69}$	19	34	J	18	N.D.	U	39	N.D.	U	38
PCB-50	N.D.	UXC$_{50/53}$	2.07	N.D.	C$_{50/53}$	24	N.D.	C$_{50/53}$	89.3	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	100	N.D.	C$_{50/53}$	97	N.D.	C$_{50/53}$	89	N.D.	U	39	N.D.	U	38
PCB-51	204	X	N.V.P.	N.D.		21.1	N.D.		29.8	N.D.		30.1	N.D.		31	N.D.		34	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-52	2.54	JX	N.V.P.	38.9	J	14.4	N.D.		19.9	N.D.		20.1	N.D.		20	N.D.		23	N.D.		13	59	J	12	N.D.	U	19	N.D.	U	63
PCB-53	N.D.	UXC$_{50/53}$	2.07	N.D.	C$_{50/53}$	24	N.D.	C$_{50/53}$	89.3	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	100	N.D.	C$_{50/53}$	97	N.D.	C$_{50/53}$	89	N.D.	U	39	N.D.	U	38
PCB-54	N.D.	UX	1.99	N.D.		13.4	N.D.		9.43	N.D.		9.52	N.D.		9.7	N.D.		11	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-55	N.D.	UX	2.26	N.D.		11.5	N.D.		11.6	N.D.		11.7	N.D.		12	N.D.		13	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-56	N.D.	UX	2.29	51.1		14.4	N.D.		10.2	N.D.		10.3	N.D.		10	N.D.		12	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-57	N.D.	UX	2.22	N.D.		10.6	N.D.		12.9	N.D.		13	N.D.		13	N.D.		15	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-58	N.D.	UX	2.15	N.D.		13.4	N.D.		12.3	N.D.		12.4	N.D.		13	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-59	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-60	N.D.	UX	2.22	26.6	J	13.4	N.D.		11.9	N.D.		12	N.D.		12	N.D.		14	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-61	N.D.	XC$_{61/70/74/}$	2.16	146	JC$_{61/70/74/7}$	56.7	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	52	N.D.	C$_{61/70/74/76}$	32	40	J	29	N.D.	U	77	N.D.	U	76
PCB-62	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-63	N.D.	UX	1.96	N.D.		11.5	N.D.		12.2	N.D.		12.3	N.D.		13	N.D.		14	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-64	N.D.	UX	1.45	22.1	J	12.5	N.D.		10.4	N.D.		10.5	N.D.		11	N.D.		12	N.D.		11	24	J	9.8	N.D.	U	19	N.D.	U	19
PCB-65	66.3	XC$_{44/47/65}$	N.V.P.	54.4	JC$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	36.7	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	12	61	J	23	N.D.	U	58	N.D.	U	64
PCB-66	N.D.	UX	2.2	84.9		16.3	N.D.		10.4	N.D.		10.5	N.D.		11	N.D.		12	N.D.		12	21	J	11	N.D.	U	19	N.D.	U	19
PCB-67	N.D.	UX	2.1	N.D.		11.5	N.D.		11.6	N.D.		11.7	N.D.		12	N.D.		13	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-68	36.3	X	N.V.P.	N.D.		13.4	N.D.		14.4	N.D.		14.6	N.D.		15	N.D.		17	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-69	2.36	JXC$_{49/69}$	N.V.P.	25.2	JC$_{49/69}$	25	N.D.	C$_{49/69}$	23.8	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	27	N.D.	C$_{49/69}$	19	N.D.	C$_{49/69}$	19	N.D.	U	39	N.D.	U	38
PCB-70	N.D.	XC$_{61/70/74/}$	2.16	146	JC$_{61/70/74/7}$	56.7	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	52	N.D.	C$_{61/70/74/76}$	32	40	J	29	N.D.	U	77	N.D.	U	76
PCB-71	N.D.	UXC$_{40/71}$	2.13	N.D.	C$_{40/71}$	40.3	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	20	N.D.	C$_{40/71}$	22	N.D.	C$_{40/71}$	17	24	J	16	N.D.	U	39	N.D.	U	38
PCB-72	N.D.	UX	2.15	N.D.		12.5	N.D.		14.8	N.D.		15	N.D.		15	N.D.		17	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-73	N.D.	UX	1.41	N.D.		13.4	N.D.		19.6	N.D.		19.8	N.D.		20	N.D.		23	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-74	N.D.	XC$_{61/70/74/}$	2.16	146	JC$_{61/70/74/7}$	56.7	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	52	N.D.	C$_{61/70/74/76}$	32	40	J	29	N.D.	U	77	N.D.	U	76
PCB-75	N.D.	JXC$_{59/62/7}$	1.54	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.3	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	27	N.D.	C$_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-76	N.D.	XC$_{61/70/74/}$	2.16	146	JC$_{61/70/74/7}$	56.7	N.D.	C$_{61/70/74/76}$	45.2	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	47	N.D.	C$_{61/70/74/76}$	52	N.D.	C$_{61/70/74/76}$	32	40	J	29	N.D.	U	77	N.D.	U	76
PCB-77	N.D.	UX	2.34	14.6	J	13.4	N.D.		9.91	N.D.		10	N.D.		10	N.D.		11	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-78	N.D.	UX	2.39	N.D.		15.4	N.D.		13.3	N.D.		13.4	N.D.		14	N.D.		15	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-79	N.D.	UX	2.01	N.D.		12.5	N.D.		13.4	N.D.		13.5	N.D.		14	N.D.		15	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-80	N.D.	UX	1.93	N.D.		10.6	N.D.		15.7	N.D.		15.8	N.D.		16	N.D.		18	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-81	N.D.	UX	2.51	N.D.		17.3	N.D.		9.43	N.D.		9.52	N.D.		9.7	N.D.		11	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-82	N.D.	UX	1.28	23.6	J	14.4	N.D.		11.6	N.D.		11.7	N.D.		12	N.D.		13	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-83	N.D.	UX	1.15	N.D.		27.9	N.D.		11.9	N.D.		12	N.D.		12	N.D.		14	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-84	N.D.	UX	1.27	19.7		10.6	N.D.		11.2	N.D.		11.3	N.D.		12	N.D.		13	N.D.		27	N.D.		24	N.D.	U	19	N.D.	U	19
PCB-85	N.D.	UXC$_{85/116}$	1.08	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	74	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	58	N.D.	U	57
PCB-86	2.3	JXC$_{86/87/97/108/119/125}$	N.V.P.	83.3	6/87/97/109/11	71.1	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	110
PCB-87	2.3	JXC$_{86/87/97/108/119/125}$	N.V.P.	83.3	6/87/97/109/11	71.1	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	110
PCB-88	N.D.	UX	1.02	N.D.		21.1	N.D.		14.1	N.D.		14.2	N.D.		14	N.D.		16	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-89	N.D.	UX	1.18	N.D.		12.5	N.D.		14.1	N.D.		14.2	N.D.		14	N.D.		16	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-90	3.54	XBC$_{90/101/1}$	N.V.P.	77.3	JC$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	45	N.D.	C$_{90/101/113}$	43	N.D.	C$_{90/101/113}$	39	N.D.	U	58	N.D.	U	57
PCB-91	N.D.	UX	1.11	N.D.		21.1	N.D.		11.2	N.D.		11.3	N.D.		12	N.D.		13	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-92	N.D.	UX	1.13	15.1	J	12.5	N.D.		14.7	N.D.		14.9	N.D.		15	N.D.		17	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-93	N.D.	UXC$_{93/100}$	1.01	N.D.	C$_{93/100}$	74	N.D.	C$_{93/100}$	29.1	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	34	N.D.	C$_{93/100}$	27	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-94	N.D.	UX	1.18	N.D.		12.5	N.D.		13.1	N.D.		13.2	N.D.		13	N.D.		15	N.D.		14	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-95	2.89	JBXE	N.V.P.	N.D.		74	N.D.		14.5	N.D.		14.7	40	J I B	15	N.D.		17	N.D.		13	19	J	12	N.D.	U	19	N.D.	U	19
PCB-96	N.D.	UX	1.23	N.D.		14.4	N.D.		12.2	N.D.		12.3	N.D.		13	N.D.		14	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-97	2.3	JXC$_{86/87/97/108/119/125}$	N.V.P.	83.3	6/87/97/109/11	71.1	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	110
PCB-98	N.D.	UX	1.55	N.D.	C$_{98/102}$	74	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	45	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-99	1.62	JXE	N.V.P.	50.1	J	27.9	N.D.		13.8	N.D.		13.9	N.D.		14	N.D.		16	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-100	N.D.	UXC$_{93/100}$	1.01	N.D.	C$_{93/100}$	74	N.D.	C$_{93/100}$	29.1	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	34	N.D.	C$_{93/100}$	27	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-101	3.54	XBC$_{90/101/1}$	N.V.P.	77.3	JC$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	45	N.D.	C$_{90/101/113}$	43	N.D.	C$_{90/101/113}$	39	N.D.	U	58	N.D.	U	57
PCB-102	N.D.	UX	0.916	N.D.	C$_{98/102}$	74	N.D.	C$_{98/102}$	39	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	45	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-103	N.D.	UX	1.03	N.D.		10.6	N.D.		17.3	N.D.		17.4	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-104	N.D.	UX	1.24	N.D.		13.4	N.D.		12	N.D.		12.1	N.D.		12	N.D.		14	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-105	0.839	JXBE	N.V.P.	53.4		16.3	N.D.		12.2	N.D.		12.3	N.D.		13	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-106	N.D.	UX	0.872	N.D.		16.3	N.D.		14.7	N.D.		14.9	N.D.		15	N.D.		17	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-107	N.D.	UXC$_{107/12}$	0.84	N.D.		16.3	N.D.		15.3	N.D.		15.4	N.D.		16	N.D.		18	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-108	2.3	JXC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{108/124}$	27.9	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	35	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-109	N.D.	UX	0.732	83.3	6/87/97/109/11	71.1	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	110
PCB-110	3.5	JXB	N.V.P.	136	C$_{110/115}$	37.5	N.D.	C$_{110/115}$	57.6	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	67	N.D.	C$_{110/115}$	28	N.D.	C$_{110/115}$	25	N.D.	U	39	N.D.	U	38
PCB-111	N.D.	UX	0.872	N.D.		13.4	N.D.		16.1	N.D.		16.3	N.D.		17	N.D.		19	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-112	N.D.	UX	0.939	N.D.		13.4	N.D.		16.6	N.D.		16.8	N.D.		17	N.D.		19	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-113	3.54	XBC$_{90/101/1}$	N.V.P.	77.3	JC$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	45	N.D.	C$_{90/101/113}$	43	N.D.	C$_{90/101/113}$	39	N.D.	U	58	N.D.	U	57
PCB-114	N.D.	UX	0.879	N.D.		14.4	N.D.		14.5	N.D.		14.7	N.D.		15	N.D.		17	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-115	N.D.	UX	0.912	136	C$_{110/115}$	37.5	N.D.	C$_{110/115}$	57.6	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	67	N.D.	C$_{110/115}$	28	N.D.	C$_{110/115}$	28	N.D.	U	39	N.D.	U	38
PCB-116	N.D.	UXC$_{85/116}$	1.08	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	74	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	58	N.D.	U	57
PCB-117	N.D.	UX	0.658	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.2	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	74	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	58	N.D.	U	57
PCB-118	2	JXBE	N.V.P.	88.5	J	28.8	N.D.		12.7	N.D.		12.9	N.D.		13	N.D.		15	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-119	2.3	JXC$_{86/87/97/108/119/125}$	N.V.P.	83.3	6/87/97/109/11	71.1	N.D.	/87/97/109/11	121	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	120	N.D.	U	110
PCB-120	N.D.	UX	0.772	N.D.		12.5	N.D.		15.8	N.D.		15.9	N.D.		16	N.D.		18	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-121	N.D.	UX	0.789	N.D.		11.5	N.D.		13.6	N.D.		13.7	N.D.		14	N.D.		16	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-122	N.D.	UX	0.913	N.D.		11.5	N.D.		12.7	N.D.		12.9	N.D.		13	N.D.		15	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-06																														
Sampling Date	3/24/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/12/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
PCB-123	N.D.	UX	0.846	N.D.		16.3	N.D.		12.4	N.D.		12.5	N.D.		13	N.D.		14	N.D.		24	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-124	N.D.	JXC$_{107/12}$	0.84	N.D.	C$_{108/124}$	27.9	N.D.	C$_{108/124}$	30	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	35	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-125	2.3	JXC$_{86/87/}$ 97/108/119/1 25	N.V.P.	83.3	3/87/97/109/11	71.1	N.D.	(87/97/109/11	121	N.D.	(87/97/109/11	122	N.D.	(87/97/109/11	120	N.D.	(87/97/109/11	140	N.D.	C$_{86/87/97/10}$ 9/119/125	160	N.D.	C$_{86/87/97/1}$ 09/119/125	150	N.D.	U	120	N.D.	U	110
PCB-126	N.D.	UX	1.09	N.D.		15.4	N.D.		15.7	N.D.		15.8	N.D.		16	N.D.		18	N.D.		31	N.D.		28	N.D.	U	19	N.D.	U	19
PCB-127	N.D.	UX	0.836	N.D.		13.4	N.D.		17.6	N.D.		17.8	N.D.		18	N.D.		20	N.D.		7.5	N.D.		6.9	N.D.	U	19	N.D.	U	19
PCB-128	N.D.	JXC$_{128/166}$	0.818	N.D.	C$_{128/166}$	27.9	N.D.	C$_{128/166}$	37.5	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	43	N.D.	C$_{128/166}$	19	N.D.	C$_{128/166}$	18	N.D.	U	39	N.D.	U	38
PCB-129	7.67	BC$_{129/138/}$	N.V.P.	94.1	C$_{129/138/16}$	60.5	N.D.	C$_{129/138/163}$	49.3	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	57	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	67	N.D.	U	67
PCB-130	N.D.	UX	0.882	N.D.		12.5	N.D.		17.5	N.D.		17.6	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-131	N.D.	UX	0.827	N.D.		16.3	N.D.		15	N.D.		15.1	N.D.		15	N.D.		17	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-132	2.02	JXBE	N.V.P.	22.4	J	15.4	N.D.		14.3	N.D.		14.5	N.D.		15	N.D.		17	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-133	N.D.	UX	0.788	N.D.		11.5	N.D.		17.3	N.D.		17.4	N.D.		18	N.D.		20	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-134	N.D.	UX	0.799	N.D.		31.7	N.D.		14.6	N.D.		14.8	N.D.		15	N.D.		17	N.D.		18	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-135	2.24	XBC$_{135/15}$	N.V.P.	N.D.	C$_{135/151}$	44.2	N.D.	C$_{135/151}$	40.7	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	47	N.D.	C$_{135/151}$	34	N.D.	C$_{135/151}$	31	N.D.	U	39	N.D.	U	38
PCB-136	0.944	JXBE	N.V.P.	N.D.		15.4	N.D.		14.2	N.D.		14.3	N.D.		15	N.D.		16	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-137	N.D.	UX	0.717	N.D.		14.4	N.D.		18.2	N.D.		18.4	N.D.		19	N.D.		21	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-138	7.67	BC$_{129/138/}$	N.V.P.	94.1	C$_{129/138/16}$	60.5	N.D.	C$_{129/138/163}$	49.3	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	57	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	67	N.D.	U	67
PCB-139	N.D.	JXC$_{139/14}$	0.738	N.D.	C$_{139/140}$	27.9	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	36	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	19	N.D.	U	39	N.D.	U	38
PCB-140	N.D.	JXC$_{139/14}$	0.738	N.D.	C$_{139/140}$	27.9	N.D.	C$_{139/140}$	31	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	36	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	19	N.D.	U	39	N.D.	U	38
PCB-141	1.54	JXBE	N.V.P.	18.3	J	16.3	N.D.		21.2	N.D.		21.4	N.D.		22	N.D.		25	N.D.		6.4	N.D.		5.9	N.D.	U	22	N.D.	U	22
PCB-142	N.D.	UX	0.861	N.D.		16.3	N.D.		16.8	N.D.		17	N.D.		17	N.D.		19	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-143	N.D.	UX	0.88	N.D.		31.7	N.D.		16.1	N.D.		16.3	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-144	N.D.	UX	0.75	N.D.		14.4	N.D.		15.8	N.D.		15.9	N.D.		16	N.D.		18	N.D.		22	N.D.		21	N.D.	U	19	N.D.	U	19
PCB-145	N.D.	UX	0.718	N.D.		15.4	N.D.		14.5	N.D.		14.7	N.D.		15	N.D.		17	N.D.		25	N.D.		23	N.D.	U	19	N.D.	U	19
PCB-146	N.D.	UX	0.725	14	J	13.4	N.D.		14.7	N.D.		14.9	N.D.		15	N.D.		17	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-147	3.9	KBEC$_{147/1}$	N.V.P.	52.7	JC$_{147/149}$	33.6	N.D.	C$_{147/149}$	27.1	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	31	N.D.	C$_{147/149}$	21	N.D.	C$_{147/149}$	20	N.D.	U	41	N.D.	U	41
PCB-148	N.D.	UX	0.745	N.D.		13.4	N.D.		15	N.D.		15.1	N.D.		15	N.D.		17	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-149	3.9	KBEC$_{147/1}$	N.V.P.	52.7	JC$_{147/149}$	33.6	N.D.	C$_{147/149}$	27.1	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	31	N.D.	C$_{147/149}$	21	N.D.	C$_{147/149}$	20	N.D.	U	41	N.D.	U	41
PCB-150	N.D.	UX	0.729	N.D.		14.4	N.D.		15.8	N.D.		15.9	N.D.		16	N.D.		18	N.D.		20	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-151	2.24	XBC$_{135/15}$	N.V.P.	N.D.	C$_{135/151}$	44.2	N.D.	C$_{135/151}$	40.7	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	47	N.D.	C$_{135/151}$	34	N.D.	C$_{135/151}$	34	N.D.	U	39	N.D.	U	38
PCB-152	N.D.	UX	0.645	N.D.		13.4	N.D.		13.8	N.D.		13.9	N.D.		14	N.D.		16	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-153	5.38	XBC$_{153/16}$	N.V.P.	80.5	JBC$_{153/168}$	28.8	N.D.	C$_{153/168}$	28.9	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	33	N.D.	C$_{153/168}$	19	N.D.	C$_{153/168}$	18	N.D.	U	49	N.D.	U	49
PCB-154	N.D.	UX	0.678	N.D.		44.2	N.D.		44.2	N.D.		44.6	N.D.		45	N.D.		51	N.D.		48	N.D.		44	N.D.	U	19	N.D.	U	19
PCB-155	N.D.	UX	0.714	N.D.		13.4	N.D.		14.8	N.D.		15	N.D.		15	N.D.		17	N.D.		21	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-156	N.D.	JXC$_{156/15}$	0.977	N.D.	C$_{156/157}$	22.1	N.D.	C$_{156/157}$	32.9	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	38	N.D.	C$_{156/157}$	31	N.D.	C$_{156/157}$	28	N.D.	U	39	N.D.	U	38
PCB-157	N.D.	JXC$_{156/15}$	0.977	N.D.	C$_{156/157}$	22.1	N.D.	C$_{156/157}$	32.9	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	38	N.D.	C$_{156/157}$	31	N.D.	C$_{156/157}$	28	N.D.	U	39	N.D.	U	38
PCB-158	N.D.	JBXE	0.571	N.D.		15.4	N.D.		17.6	N.D.		17.8	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-159	N.D.	UX	0.695	N.D.		13.4	N.D.		19	N.D.		19.1	N.D.		20	N.D.		22	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-160	N.D.	UX	0.665	N.D.		60.5	N.D.		18.7	N.D.		18.9	N.D.		19	N.D.		22	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-161	N.D.	UX	0.586	N.D.		12.5	N.D.		16.3	N.D.		16.5	N.D.		17	N.D.		19	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-162	N.D.	UX	0.697	N.D.		12.5	N.D.		18.5	N.D.		18.7	N.D.		19	N.D.		21	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-163	7.67	BC$_{129/138/}$	N.V.P.	94.1	C$_{129/138/16}$	60.5	N.D.	C$_{129/138/163}$	49.3	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	57	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	67	N.D.	U	67
PCB-164	N.D.	UX	0.606	N.D.		14.4	N.D.		16.6	N.D.		16.8	N.D.		17	N.D.		19	N.D.		7.5	N.D.		6.9	N.D.	U	19	N.D.	U	19
PCB-165	N.D.	UX	0.635	N.D.		12.5	N.D.		16.3	N.D.		16.5	N.D.		17	N.D.		19	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-166	N.D.	JXC$_{128/166}$	0.818	N.D.	C$_{128/166}$	27.9	N.D.	C$_{128/166}$	37.5	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	43	N.D.	C$_{128/166}$	19	N.D.	C$_{128/166}$	18	N.D.	U	39	N.D.	U	38
PCB-167	N.D.	UX	0.702	N.D.		12.5	N.D.		16	N.D.		16.2	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-168	5.38	XBC$_{153/16}$	N.V.P.	80.5	JBC$_{153/168}$	28.8	N.D.	C$_{153/168}$	28.9	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	33	N.D.	C$_{153/168}$	19	N.D.	C$_{153/168}$	18	N.D.	U	49	N.D.	U	49
PCB-169	N.D.	UX	0.817	N.D.		14.4	N.D.		17.5	N.D.		17.7	N.D.		18	N.D.		20	N.D.		19	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-170	7.25	JXB	N.V.P.	29.2	J	11.5	N.D.		16.7	N.D.		16.9	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	40	N.D.	U	40
PCB-171	N.D.	JXC$_{171/17}$	1.29	N.D.	C$_{171/173}$	28.8	N.D.	C$_{171/173}$	35.5	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	41	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	16	N.D.	U	39	N.D.	U	38
PCB-172	N.D.	UX	1.26	N.D.		12.5	N.D.		14.9	N.D.		15	N.D.		15	N.D.		17	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-173	N.D.	JXC$_{171/17}$	1.29	N.D.	C$_{171/173}$	28.8	N.D.	C$_{171/173}$	35.5	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	41	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	16	N.D.	U	39	N.D.	U	38
PCB-174	4.87	JXB	N.V.P.	24.5	J	14.4	N.D.		16.6	N.D.		16.8	N.D.		17	N.D.		19	N.D.		12	12	J I	11	N.D.	U	45	N.D.	U	45
PCB-175	N.D.	UX	1.19	N.D.		13.4	N.D.		19.7	N.D.		19.9	N.D.		20	N.D.		23	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-176	N.D.	UX	0.828	N.D.		11.5	N.D.		15.2	N.D.		15.3	N.D.		16	N.D.		18	N.D.		6.4	N.D.		5.9	N.D.	U	19	N.D.	U	19
PCB-177	2.76	JXB	N.V.P.	15.4	J	10.6	N.D.		16.9	N.D.		17	N.D.		17	N.D.		19	N.D.		9.6	N.D.		8.8	N.D.	U	23	N.D.	U	23
PCB-178	N.D.	UX	1.19	N.D.		13.4	N.D.		25	N.D.		25.2	N.D.		26	N.D.		29	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-179	1.93	JXB	N.V.P.	N.D.		13.4	N.D.		13.3	N.D.		13.4	N.D.		14	N.D.		15	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-180	15.2	XBC$_{180/193}$	N.V.P.	N.D.	C$_{180/193}$	28.8	N.D.	C$_{180/193}$	27.5	N.D.	C$_{180/193}$	27.7	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	32	N.D.	C$_{180/193}$	20	47	J B	19	N.D.	U	48	N.D.	U	48
PCB-181	1.14	UX	N.V.P.	N.D.		12.5	N.D.		19.6	N.D.		19.8	N.D.		20	N.D.		23	N.D.		8.5	N.D.		7.8	N.D.	U	19	N.D.	U	19
PCB-182	N.D.	UX	1.09	N.D.		12.5	N.D.		22.4	N.D.		22.6	N.D.		23	N.D.		26	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-183	2.63	JXB	N.V.P.	N.D.	C$_{183/185}$	26.9	N.D.	C$_{183/185}$	49	N.D.	C$_{183/185}$	49.4	N.D.	C$_{183/185}$	50	N.D.	C$_{183/185}$	57	N.D.	C$_{183/185}$	24	N.D.	C$_{183/185}$	22	N.D.	U	40	N.D.	U	40
PCB-184	N.D.	UX	0.917	N.D.		13.4	N.D.		15.3	N.D.		15.4	N.D.		16	N.D.		18	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-185	N.D.	UX	1.14	N.D.	C$_{183/185}$	26.9	N.D.	C$_{183/185}$	49	N.D.	C$_{183/185}$	49.4	N.D.	C$_{183/185}$	50	N.D.	C$_{183/185}$	57	N.D.	C$_{183/185}$	24	N.D.	C$_{183/185}$	22	N.D.	U	40	N.D.	U	40
PCB-186	N.D.	UX	0.878	N.D.		14.4	N.D.		16.1	N.D.		16.3	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-187	4.3	JXB	N.V.P.	40.6	J	16.3	N.D.		19.2	N.D.		19.4	N.D.		20	N.D.		22	N.D.		12	21	J B	11	N.D.	U	37	N.D.	U	36
PCB-188	N.D.	UX	0.906	N.D.		14.4	N.D.		76.6	N.D.		77.3	N.D.		79	N.D.		88	N.D.		50	N.D.		46	N.D.	U	19	N.D.	U	19
PCB-189	N.D.	UX	0.99	N.D.		12.5	N.D.		16.6	N.D.		16.8	N.D.		17	N.D.		19	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-190	N.D.	UX	1.03	N.D.		13.4	N.D.		18.7	N.D.		18.9	N.D.		19	N.D.		22	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-191	N.D.	UX	0.958	N.D.		12.5	N.D.		15.1	N.D.		15.2	N.D.		16	N.D.		17	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-192	N.D.	UX	0.997	N.D.		12.5	N.D.		17	N.D.		17.1	N.D.		17	N.D.		20	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-193	15.2	XBC$_{180/193}$	N.V.P.	N.D.	C$_{180/193}$	28.8	N.D.	C$_{180/193}$	27.5	N.D.	C$_{180/193}$	27.7	N.D.	C$_{180/193}$	28	N.D.	C$_{180/193}$	32	N.D.	C$_{180/193}$	20	47	J B	19	N.D.	U	48	N.D.	U	48
PCB-194	6.16	JXB	N.V.P.	22.7	J	17.3	N.D.		27.1	N.D.		27.3	N.D.		28	N.D.		31	N.D.		13	57	J B	12	N.D.	U	25	N.D.	U	52
PCB-195	1.97	JXB	N.V.P.	N.D.		21.1	N.D.		26.3	N.D.		26.6	N.D.		27	N.D.		30	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-196	2.54	JXBE	N.V.P.	N.D.		19.2	N.D.		22.5	N.D.		22.7	N.D.		23	N.D.		26	N.D.		12	19	J B	11	N.D.	U	19	N.D.	U	19
PCB-197	N.D.	UX	0.672	N.D.	C$_{197/200}$	41.3	N.D.	C$_{197/200}$	74.9	N.D.	C$_{197/200}$	75.6	N.D.	C$_{197/200}$	77	N.D.	C$_{197/200}$	86	N.D.	C$_{197/200}$	15	N.D.	C$_{197/200}$	15	N.D.	U	39	N.D.	U	38
PCB-198	4.8	XBC$_{198/19}$	N.V.P.	N.D.	C$_{198/199}$	35.5	N.D.	C$_{198/199}$	46.9	N.D.	C$_{198/199}$	47.3	N.D.	C$_{198/199}$	48	N.D.	C$_{198/199}$	54	N.D.	C$_{198/199}$	19	60	J B	18	N.D.	U	39	N.D.	U	38
PCB-199	4.8	XBC$_{198/19}$	N.V.P.	N.D.	C$_{198/199}$	35.5	N.D.	C$_{198/199}$	46.9	N.D.	C$_{198/199}$	47.3	N.D.	C$_{198/199}$	48	N.D.	C$_{198/199}$	54	N.D.	C$_{198/199}$	19	60	J B	18	N.D.	U	39	N.D.	U	38
PCB-200	N.D.	UX	0.783	N.D.	C$_{197/200}$	41.3	N.D.	C$_{197/200}$	74.9	N.D.	C$_{197/200}$	75.6	N.D.	C$_{197/200}$	77	N.D.	C$_{197/200}$	86	N.D.	C$_{197/200}$	15	N.D.	C$_{197/200}$	15	N.D.	U	39	N.D.	U	38
PCB-201	N.D.	UX	0.709	N.D.		19.2	N.D.		94	N.D.		94.9	N.D.		97	N.D.		110	N.D.		52	N.D.		48	N.D.	U	19	N.D.	U	19
PCB-202	N.D.	UX	0.805	N.D.		23.1	N.D.		26.5	N.D.		26.8	N.D.		27	N.D.		31	N.D.		9.6	N.D.		8.8	N.D.	U	19	N.D.	U	19
PCB-203	3.49	JXB	N.V.P.	N.D.		17.3	N.D.		20.1	N.D.		20.3	N.D.		21	N.D.		23	N.D.		14	21	J B	13	N.D.	U	19	N.D.	U	50
PCB-204	N.D.	UX	0.757	N.D.		20.2	N.D.		21.5	N.D.		21.7	N.D.		22	N.D.		25	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-205	N.D.	UX	1	N.D.		14.4	N.D.		26.2	N.D.		26.5	N.D.		27	N.D.		30	N.D.		7.5	N.D.		6.9	N.D.	U	19	N.D.	U	19
PCB-206	N.D.	UX	2.58	N.D.		15.4	N.D.		23.8	N.D.		24	N.D.		24	N.D.		27	N.D.		7.5	52	J B	6.9	N.D.	U	19	N.D.	U	55
PCB-207	N.D.	UX	1.66	N.D.		18.3	N.D.		23.1	N.D.		23.3	N.D.		24	N.D.		27	N.D.		11	N.D.		9.8	N.D.	U	19	N.D.	U	19
PCB-208	N.D.	UX	1.79	N.D.		15.4	N.D.		24.9	N.D.		25.1	N.D.		26	N.D.		29	N.D.		59	N.D.		54	N.D.	U	30	N.D.	U	30
PCB-209	N.D.	UX	1.15	18.4	J	15.4	N.D.		343	N.D.		347	N.D.		350	N.D.		400	N.D.		260	N.D.		230	N.D.	U	39	N.D.	U	38

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D.	Analyte was not detected
	Substance was detected in the method blank, not considered to represent actual groundwater conditions
N.S.	Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-07																													
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	431.36	-	-	30.5	-	-	69.8	-	-	N.D.	-	-	39	-	-	N.D.	-	-	N.D.	-	-	1559	-	-	N.D.	-	-	3062	-	-
PCB-1	N.D.	UX	2.25	N.D.		9.68	N.D.		49	N.D.		49	N.D.		49	N.D.		57	N.D.		18	N.D.		19	N.D.	U	40	N.D.	U	38
PCB-2	4.93	JX	N.V.P.	N.D.		6.78	N.D.		71.8	N.D.		71.8	N.D.		72	N.D.		83	N.D.		16	N.D.		17	N.D.	U	20	N.D.	U	29
PCB-3	N.D.	UX	2.73	N.D.		10.6	N.D.		40.4	N.D.		40.4	N.D.		41	N.D.		47	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	29
PCB-4	N.D.	UX	3.87	N.D.		12.6	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		22	N.D.		23	N.D.	U	29	N.D.	U	28
PCB-5	N.D.	UX	4.47	N.D.		7.74	N.D.		7.6	N.D.		7.6	N.D.		7.7	N.D.		8.8	N.D.		20	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-6	N.D.	UX	4.52	N.D.		6.78	N.D.		13.6	N.D.		13.6	N.D.		14	N.D.		16	N.D.		18	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-7	N.D.	UX	4.4	N.D.		7.74	N.D.		8.04	N.D.		8.04	N.D.		8.1	N.D.		9.3	N.D.		16	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-8	N.D.	UX	4.41	N.D.		14.5	N.D.		10.2	N.D.		10.2	N.D.		10	N.D.		12	N.D.		16	N.D.		17	N.D.	U	29	N.D.	U	28
PCB-9	N.D.	UX	4.94	N.D.		6.78	N.D.		8.51	N.D.		8.51	N.D.		8.6	N.D.		9.9	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-10	N.D.	UX	2.55	N.D.		12.6	N.D.		5.25	N.D.		5.25	N.D.		5.3	N.D.		6.1	N.D.		22	N.D.		23	N.D.	U	20	N.D.	U	19
PCB-11	9.96	JX	N.V.P.	N.D.		32.9	N.D.		132	N.D.		132	N.D.		130	N.D.		150	N.D.		110	N.D.		110	N.D.	U	59	N.D.	U	120
PCB-12	N.D.	$UXC_{12/13}$	4.6	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21.5	N.D.	$C_{12/13}$	21.5	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	25	N.D.	$C_{12/13}$	34	N.D.	$C_{12/13}$	36	N.D.	U	20	N.D.	U	19
PCB-13	N.D.	$UXC_{12/13}$	4.6	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21.5	N.D.	$C_{12/13}$	21.5	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	25	N.D.	$C_{12/13}$	34	N.D.	$C_{12/13}$	36	N.D.	U	20	N.D.	U	19
PCB-14	N.D.	UX	3.96	N.D.		7.74	N.D.		1.94	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		20	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-15	N.D.	UX	4.93	N.D.		15.5	N.D.		8.24	N.D.		8.24	N.D.		8.3	N.D.		9.6	N.D.		20	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-16	N.D.	UX	8.03	N.D.		8.71	N.D.		1.94	N.D.		5.17	N.D.		5.2	N.D.		6	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-17	N.D.	UX	4.6	N.D.		8.71	N.D.		5.95	N.D.		5.95	N.D.		6	N.D.		6.9	N.D.		11	95		12	N.D.	U	20	N.D.	U	19
PCB-18	N.D.	$UXC_{18/30}$	3.96	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.71	N.D.	$C_{18/30}$	9.71	N.D.	$C_{18/30}$	9.8	N.D.	$C_{18/30}$	11	N.D.	$C_{18/30}$	24	190	$C_{18/30}$	25	N.D.	U	40	N.D.	U	38
PCB-19	N.D.	UX	5.16	N.D.		7.74	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		11	29	J	11	N.D.	U	24	N.D.	U	23
PCB-20	N.D.	$UXC_{20/28}$	4.25	N.D.	$C_{20/28}$	21.3	N.D.	$C_{20/28}$	15.8	N.D.	$C_{20/28}$	15.8	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	18	N.D.	$C_{20/28}$	28	120	$C_{20/28}$	29	N.D.	U	40	N.D.	U	38
PCB-21	N.D.	$UXC_{21/33}$	4.11	N.D.	$C_{21/33}$	20.3	N.D.	$C_{21/33}$	9.71	N.D.	$C_{21/33}$	9.71	N.D.	$C_{21/33}$	9.8	N.D.	$C_{21/33}$	11	N.D.	$C_{21/33}$	29	74	J	30	N.D.	U	40	N.D.	U	38
PCB-22	N.D.	UX	4.41	N.D.		8.71	N.D.		5.76	N.D.		5.76	N.D.		5.8	N.D.		6.7	N.D.		14	40	J	14	N.D.	U	20	N.D.	U	19
PCB-23	N.D.	UX	4.25	N.D.		6.78	N.D.		4.89	N.D.		4.89	N.D.		4.9	N.D.		5.7	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-24	N.D.	UX	3.18	N.D.		9.68	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-25	N.D.	UX	4.11	N.D.		7.74	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		13	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-26	N.D.	$UXC_{26/29}$	4.15	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28.5	N.D.	$C_{26/29}$	28.5	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	33	N.D.	$C_{26/29}$	36	N.D.	$C_{26/29}$	38	N.D.	U	40	N.D.	U	38
PCB-27	N.D.	UX	3.33	N.D.		7.74	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		11	14	J I	12	N.D.	U	20	N.D.	U	19
PCB-28	N.D.	$UXC_{20/28}$	4.25	N.D.	$C_{20/28}$	21.3	N.D.	$C_{20/28}$	15.8	N.D.	$C_{20/28}$	15.8	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	18	N.D.	$C_{20/28}$	28	120	$C_{20/28}$	29	N.D.	U	40	N.D.	U	38
PCB-29	N.D.	$UXC_{26/29}$	4.15	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28.5	N.D.	$C_{26/29}$	28.5	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	33	N.D.	$C_{26/29}$	36	N.D.	$C_{26/29}$	38	N.D.	U	40	N.D.	U	38
PCB-30	N.D.	$UXC_{18/30}$	3.96	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.71	N.D.	$C_{18/30}$	9.71	N.D.	$C_{18/30}$	9.8	N.D.	$C_{18/30}$	11	N.D.	$C_{18/30}$	24	190	$C_{18/30}$	25	N.D.	U	40	N.D.	U	38
PCB-31	N.D.	UX	3.91	N.D.		17.4	N.D.		11.4	N.D.		11.4	N.D.		11	N.D.		13	N.D.		14	140		15	N.D.	U	20	N.D.	U	40
PCB-32	N.D.	UX	3.23	N.D.		7.74	N.D.		4.92	N.D.		4.92	N.D.		5	N.D.		5.7	N.D.		7.9	58		8.4	N.D.	U	20	N.D.	U	19
PCB-33	N.D.	$UXC_{21/33}$	4.11	N.D.	$C_{21/33}$	20.3	N.D.	$C_{21/33}$	9.71	N.D.	$C_{21/33}$	9.71	N.D.	$C_{21/33}$	9.8	N.D.	$C_{21/33}$	11	N.D.	$C_{21/33}$	29	74	J	30	N.D.	U	40	N.D.	U	38
PCB-34	N.D.	UX	4.36	N.D.		6.78	N.D.		5.66	N.D.		5.66	N.D.		5.7	N.D.		6.6	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-35	N.D.	UX	4.5	N.D.		8.71	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		19	N.D.		20	N.D.	U	20	N.D.	U	19
PCB-36	N.D.	UX	4.04	N.D.		7.74	N.D.		6.95	N.D.		6.95	N.D.		7	N.D.		8.1	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-37	N.D.	UX	5.05	N.D.		9.68	N.D.		5.59	N.D.		5.59	N.D.		5.6	N.D.		6.5	N.D.		7.9	13	J	8.4	N.D.	U	20	N.D.	U	19
PCB-38	N.D.	UX	4.23	N.D.		6.78	N.D.		4.85	N.D.		4.85	N.D.		4.9	N.D.		5.6	N.D.		17	N.D.		17	N.D.	U	20	N.D.	U	24
PCB-39	N.D.	UX	3.91	N.D.		7.74	N.D.		6.02	N.D.		6.02	N.D.		6.1	N.D.		7	N.D.		18	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-40	N.D.	$UXC_{40/71}$	3.54	N.D.	$C_{40/71}$	40.7	N.D.	$C_{40/71}$	19.5	N.D.	$C_{40/71}$	19.5	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	23	N.D.	$C_{40/71}$	16	29	J	17	N.D.	U	20	N.D.	U	19
PCB-41	N.D.	UX	3.7	N.D.		40.7	N.D.		12.8	N.D.		12.8	N.D.		13	N.D.		15	N.D.		11	13	J	12	N.D.	U	40	N.D.	U	38
PCB-42	N.D.	UX	3.7	N.D.		15.5	N.D.		13.8	N.D.		13.8	N.D.		14	N.D.		16	N.D.		12	19	J	13	N.D.	U	20	N.D.	U	19
PCB-43	N.D.	UX	4.77	N.D.		13.6	N.D.		9.71	N.D.		9.71	N.D.		9.8	N.D.		11	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-44	21.2	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	44.6	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	44	N.D.	$C_{44/47/65}$	24	76	J	25	N.D.	U	59	110	J	64
PCB-45	N.D.	UX	2.84	N.D.		21.3	N.D.		11.3	N.D.		11.3	N.D.		11	N.D.		13	N.D.		18	25	J	19	N.D.	U	20	24	J I	19
PCB-46	N.D.	UX	4.02	N.D.		9.68	N.D.		9.71	N.D.		9.71	N.D.		9.8	N.D.		11	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-47	21.2	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	44.6	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	44	N.D.	$C_{44/47/65}$	24	76	J	25	N.D.	U	59	110	J	64
PCB-48	N.D.	UX	3.27	N.D.		13.6	N.D.		12.2	N.D.		12.2	N.D.		12	N.D.		14	N.D.		8.9	25	J I	8.7	N.D.	U	20	N.D.	U	19
PCB-49	N.D.	$UXC_{49/69}$	2.8	N.D.	$C_{49/69}$	25.2	N.D.	$C_{49/69}$	24.5	N.D.	$C_{49/69}$	24.5	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	28	N.D.	$C_{49/69}$	18	41	J	19	N.D.	U	40	N.D.	U	38
PCB-50	N.D.	$UXC_{50/53}$	3.32	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	91.9	N.D.	$C_{50/53}$	91.9	N.D.	$C_{50/53}$	93	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	90	N.D.	$C_{50/53}$	96	N.D.	U	40	N.D.	U	38
PCB-51	110	X	N.V.P.	N.D.		21.3	N.D.		30.7	N.D.		30.7	N.D.		31	N.D.		36	N.D.		13	N.D.		14	N.D.	U	20	24	J I	19
PCB-52	3.33	JXE		N.D.		14.5	N.D.		20.5	N.D.		20.5	N.D.		21	N.D.		24	N.D.		12	75	J	13	N.D.	U	20	N.D.	U	63
PCB-53	N.D.	$UXC_{50/53}$	3.32	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	91.9	N.D.	$C_{50/53}$	91.9	N.D.	$C_{50/53}$	93	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	90	N.D.	$C_{50/53}$	96	N.D.	U	40	N.D.	U	38
PCB-54	N.D.	UX	2.48	N.D.		13.6	N.D.		9.71	N.D.		9.71	N.D.		9.8	N.D.		11	N.D.		18	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-55	N.D.	UX	3.46	N.D.		11.6	N.D.		11.9	N.D.		11.9	N.D.		12	N.D.		14	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-56	N.D.	UX	3.24	N.D.		14.5	N.D.		10.5	N.D.		10.5	N.D.		11	N.D.		12	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-57	N.D.	UX	3.25	N.D.		10.6	N.D.		13.3	N.D.		13.3	N.D.		13	N.D.		15	N.D.		12	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-58	N.D.	UX	2.99	N.D.		13.6	N.D.		12.6	N.D.		12.6	N.D.		13	N.D.		15	N.D.		11	N.D.		12	N.D.	U	20	45	J	19
PCB-59	N.D.	$JXC_{59/62/7}$	2.43	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	47	N.D.	$C_{59/62/75}$	25	N.D.	$C_{59/62/75}$	26	N.D.	U	59	N.D.	U	57
PCB-60	N.D.	UX	3.19	N.D.		13.6	N.D.		12.2	N.D.		12.2	N.D.		12	N.D.		14	N.D.		8.9	N.D.		9.5	N.D.	U	20	N.D.	U	19
PCB-61	N.D.	$XC_{61/70/74/}$	3.09	N.D.	$C_{61/70/74/76}$	57.1	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	54	N.D.	$C_{61/70/74/76}$	30	45	J	32	N.D.	U	79	N.D.	U	76
PCB-62	N.D.	$JXC_{59/62/7}$	2.43	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	47	N.D.	$C_{59/62/75}$	25	N.D.	$C_{59/62/75}$	26	N.D.	U	59	N.D.	U	57
PCB-63	N.D.	UX	2.85	N.D.		11.6	N.D.		12.5	N.D.		12.5	N.D.		13	N.D.		15	N.D.		13	N.D.		14	N.D.	U	20	89		19
PCB-64	N.D.	UX	2.31	N.D.		12.6	N.D.		10.7	N.D.		10.7	N.D.		11	N.D.		12	N.D.		9.9	35	J	11	N.D.	U	20	N.D.	U	19
PCB-65	21.2	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	44.6	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	37.8	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	44	N.D.	$C_{44/47/65}$	24	76	J	25	N.D.	U	59	110	J	64
PCB-66	N.D.	UX	3.09	N.D.		16.5	12.1		10.7	N.D.		10.7	N.D.		11	N.D.		12	N.D.		11	22	J I	12	N.D.	U	20	27	J I	19
PCB-67	N.D.	UX	3.14	N.D.		11.6	N.D.		11.9	N.D.		11.9	N.D.		12	N.D.		14	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-68	22.2	X	N.V.P.	N.D.		13.6	N.D.		14.9	N.D.		14.9	N.D.		15	N.D.		17	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-69	N.D.	$UXC_{49/69}$	2.8	N.D.	$C_{49/69}$	25.2	N.D.	$C_{49/69}$	24.5	N.D.	$C_{49/69}$	24.5	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	28	N.D.	$C_{49/69}$	18	N.D.	$C_{49/69}$	18	N.D.	U	40	N.D.	U	38
PCB-70	N.D.	$XC_{61/70/74/}$	3.09	N.D.	$C_{61/70/74/76}$	57.1	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	54	N.D.	$C_{61/70/74/76}$	30	45	J	32	N.D.	U	79	N.D.	U	76
PCB-71	N.D.	$UXC_{40/71}$	3.45	N.D.	$C_{40/71}$	40.7	N.D.	$C_{40/71}$	19.5	N.D.	$C_{40/71}$	19.5	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	23	N.D.	$C_{40/71}$	16	29	J	17	N.D.	U	40	N.D.	U	38
PCB-72	N.D.	UX	3.17	N.D.		12.6	N.D.		15.2	N.D.		15.2	N.D.		15	N.D.		18	N.D.		8.9	N.D.		9.5	N.D.	U	20	N.D.	U	19
PCB-73	N.D.	UX	2.41	N.D.		13.6	N.D.		20.2	N.D.		20.2	N.D.		20	N.D.		23	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-74	N.D.	$XC_{61/70/74/}$	3.09	N.D.	$C_{61/70/74/76}$	57.1	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	54	N.D.	$C_{61/70/74/76}$	30	45	J	32	N.D.	U	79	N.D.	U	76
PCB-75	N.D.	$JXC_{59/62/7}$	2.43	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	40.5	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	47	N.D.	$C_{59/62/75}$	25	N.D.	$C_{59/62/75}$	26	N.D.	U	59	N.D.	U	57
PCB-76	N.D.	$XC_{61/70/74/}$	3.09	N.D.	$C_{61/70/74/76}$	57.1	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	46.5	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	54	N.D.	$C_{61/70/74/76}$	30	45	J	32	N.D.	U	79	N.D.	U	76
PCB-77	N.D.	UX	3.84	N.D.		13.6	N.D.		10.2	N.D.		10.2	N.D.		10	N.D.		12	N.D.		19	N.D.		20	N.D.	U	20	N.D.	U	19
PCB-78	N.D.	UX	3.37	N.D.		15.5	N.D.		13.7	N.D.		13.7	N.D.		14	N.D.		16	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-79	N.D.	UX	2.82	N.D.		12.6	N.D.		13.8	N.D.		13.8	N.D.		14	N.D.		16	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-80	N.D.	UX	2.77	N.D.		10.6	N.D.		16.1	N.D.		16.1	N.D.		16	N.D.		19	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-81	N.D.	UX	3.56	N.D.		17.4	N.D.		9.71	N.D.		9.71	N.D.		9.8	N.D.		11	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-82	N.D.	UX	2.05	N.D.		14.5	N.D.		11.9	N.D.		11.9	N.D.		12	N.D.		14	N.D.		13	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-83	N.D.	UX	1.61	N.D.		28.1	N.D.		12.2	N.D.		12.2	N.D.		12	N.D.		14	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-84	N.D.	UX	2.04	N.D.		10.6	N.D.		11.6	N.D.		11.6	N.D.		12	N.D.		13	N.D.		25	N.D.		26	N.D.	U	20	N.D.	U	19
PCB-85	N.D.	$UXC_{85/116}$	1.61	N.D.	$C_{85/116/117}$	36.8	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	77	N.D.	$C_{85/116/117}$	34	N.D.	$C_{85/116/117}$	36	N.D.	U	59	340		57
PCB-86	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-87	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-88	N.D.	UX	1.7	N.D.		21.3	N.D.		14.5	N.D.		14.5	N.D.		15	N.D.		17	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-89	N.D.	UX	1.91	N.D.		12.6	N.D.		14.5	N.D.		14.5	N.D.		15	N.D.		17	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-90	4.69	$KBC_{90/101/1}$	N.V.P.	N.D.	$C_{90/101/113}$	45.5	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	47	N.D.	$C_{90/101/113}$	39	N.D.	$C_{90/101/113}$	42	N.D.	U	59	120	J I	57
PCB-91	N.D.	UX	1.74	N.D.		21.3	N.D.		11.6	N.D.		11.6	N.D.		12	N.D.		13	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-92	N.D.	UX	1.82	N.D.		12.6	N.D.		15.1	N.D.		15.1	N.D.		15	N.D.		18	N.D.		12	N.D.		13	N.D.	U	20	89	I	19
PCB-93	N.D.	$UXC_{93/100}$	1.5	N.D.	$C_{93/100}$	74.5	N.D.	$C_{93/100}$	29.9	N.D.	$C_{93/100}$	29.9	N.D.	$C_{93/100}$	30	N.D.	$C_{93/100}$	35	N.D.	$C_{93/100}$	25	N.D.	$C_{93/100}$	26	N.D.	U	40	N.D.	U	38
PCB-94	N.D.	UX	1.88	N.D.		12.6	N.D.		13.5	N.D.		13.5	N.D.		14	N.D.		16	N.D.		13	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-95	2.25	JBXE	N.V.P.	N.D.		74.5	N.D.		15	N.D.		15	39	J I B	15	N.D.		17	N.D.		12	16	J	13	N.D.	U	20	27	J I	19
PCB-96	N.D.	UX	1.66	N.D.		14.5	N.D.		12.5	N.D.		12.5	N.D.		13	N.D.		15	N.D.		18	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-97	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-98	N.D.	UX	2.43	N.D.	$C_{98/102}$	74.5	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	47	N.D.	$C_{98/102}$	29	N.D.	$C_{98/102}$	30	N.D.	U	40	N.D.	U	38
PCB-99	N.D.	UX	1.74	N.D.		28.1	N.D.		14.2	N.D.		14.2	N.D.		14	N.D.		16	N.D.		12	N.D.		13	N.D.	U	20	40	J I	19
PCB-100	N.D.	$UXC_{93/100}$	1.5	N.D.	$C_{93/100}$	74.5	N.D.	$C_{93/100}$	29.9	N.D.	$C_{93/100}$	29.9	N.D.	$C_{93/100}$	30	N.D.	$C_{93/100}$	35	N.D.	$C_{93/100}$	25	N.D.	$C_{93/100}$	26	N.D.	U	40	N.D.	U	38
PCB-101	4.69	$KBC_{90/101/1}$	N.V.P.	N.D.	$C_{90/101/113}$	45.5	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	47	N.D.	$C_{90/101/113}$	39	N.D.	$C_{90/101/113}$	42	N.D.	U	59	120	J I	57
PCB-102	N.D.	UX	1.7	N.D.	$C_{98/102}$	74.5	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40.1	N.D.	$C_{98/102}$	40	N.D.	$C_{98/102}$	47	N.D.	$C_{98/102}$	29	N.D.	$C_{98/102}$	30	N.D.	U	40	N.D.	U	38
PCB-103	N.D.	UX	1.66	N.D.		10.6	N.D.		17.8	N.D.		17.8	N.D.		18	N.D.		21	N.D.		11	N.D.		12	N.D.	U	20	22	J I	19
PCB-104	N.D.	UX	1.77	N.D.		13.6	N.D.		12.3	N.D.		12.3	N.D.		12	N.D.		14	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-105	2.57	JXBE	N.V.P.	N.D.		16.5	N.D.		12.5	N.D.		12.5	N.D.		13	N.D.		15	N.D.		11	N.D.		12	N.D.	U	20	25	J	19
PCB-106	N.D.	UX	1.38	N.D.		16.5	N.D.		15.1	N.D.		15.1	N.D.		15	N.D.		18	N.D.		19	N.D.		20	N.D.	U	20	110		19
PCB-107	N.D.	$UXC_{107/124}$	1.32	N.D.		16.5	N.D.		15.7	N.D.		15.7	N.D.		16	N.D.		18	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-108	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	$C_{108/124}$	28.1	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	36	N.D.	$C_{108/124}$	26	N.D.	$C_{108/124}$	27	N.D.	U	40	N.D.	U	38
PCB-109	N.D.	UX	1.13	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-110	4.74	JXB	N.V.P.	N.D.	$C_{110/115}$	37.8	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	60	N.D.	$C_{110/115}$	69	N.D.	$C_{110/115}$	26	N.D.	$C_{110/115}$	27	N.D.	U	40	82	J	38
PCB-111	N.D.	UX	1.23	N.D.		13.6	N.D.		16.6	N.D.		16.6	N.D.		17	N.D.		19	N.D.		13	N.D.		14	N.D.	U	20	N.D.	U	19
PCB-112	N.D.	UX	1.52	N.D.		13.6	N.D.		17.1	N.D.		17.1	N.D.		17	N.D.		20	N.D.		16	N.D.		17	N.D.	U	20	23	J I	19
PCB-113	4.69	$KBC_{90/101/1}$	N.V.P.	N.D.	$C_{90/101/113}$	45.5	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40.1	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	47	N.D.	$C_{90/101/113}$	39	N.D.	$C_{90/101/113}$	42	N.D.	U	59	120	J I	57
PCB-114	N.D.	UX	1.36	N.D.		14.5	N.D.		15	N.D.		15	N.D.		15	N.D.		17	N.D.		18	N.D.		19	N.D.	U	20	N.D.	U	19
PCB-115	N.D.	UX	1.75	N.D.	$C_{110/115}$	37.8	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	59.3	N.D.	$C_{110/115}$	60	N.D.	$C_{110/115}$	69	N.D.	$C_{110/115}$	26	N.D.	$C_{110/115}$	26	N.D.	U	40	82	J	38
PCB-116	N.D.	$UXC_{85/116}$	1.61	N.D.	$C_{85/116/117}$	36.8	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	77	N.D.	$C_{85/116/117}$	34	N.D.	$C_{85/116/117}$	36	N.D.	U	59	340		57
PCB-117	N.D.	UX	1.04	N.D.	$C_{85/116/117}$	36.8	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	77	N.D.	$C_{85/116/117}$	34	N.D.	$C_{85/116/117}$	36	N.D.	U	59	340		57
PCB-118	3.38	JXB	N.V.P.	N.D.		29	13.1 J		13.1	N.D.		13.1	N.D.		13	N.D.		15	N.D.		17	N.D.		18	N.D.	U	20	31	J I	19
PCB-119	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-120	N.D.	UX	1.2	N.D.		12.6	N.D.		16.2	N.D.		16.2	N.D.		16	N.D.		19	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-121	N.D.	UX	1.25	N.D.		11.6	N.D.		14	N.D.		14	N.D.		14	N.D.		16	N.D.		12	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-122	N.D.	UX	1.43	N.D.		11.6	N.D.		13.1	N.D.		13.1	N.D.		13	N.D.		15	N.D.		12	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-123	N.D.	UX	1.36	N.D.		16.5	N.D.		12.7	N.D.		12.7	N.D.		13	N.D.		15	N.D.		22	N.D.		23	N.D.	U	20	N.D.	U	19
PCB-124	N.D.	$UXC_{107/124}$	1.32	N.D.	$C_{108/124}$	28.1	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	30.9	N.D.	$C_{108/124}$	31	N.D.	$C_{108/124}$	36	N.D.	$C_{108/124}$	26	N.D.	$C_{108/124}$	27	N.D.	U	40	N.D.	U	38
PCB-125	N.D.	$UXC_{86/87}$ /97/108/119/ 125	1.5	N.D.	/87/97/109/119	71.6	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	124	N.D.	/87/97/109/119	130	N.D.	/87/97/109/119	140	N.D.	$C_{86/87/97/1}$ 09/119/125	150	N.D.	$C_{86/87/97/1}$ 09/119/125	160	N.D.	U	120	140	J	110
PCB-126	N.D.	UX	2.1	N.D.		15.5	N.D.		16.1	N.D.		16.1	N.D.		16	N.D.		19	N.D.		29	N.D.		30	N.D.	U	20	N.D.	U	19
PCB-127	N.D.	UX	1.34	N.D.		13.6	N.D.		18.2	N.D.		18.2	N.D.		18	N.D.		21	N.D.		6.9	N.D.		7.4	N.D.	U	20	N.D.	U	19
PCB-128	N.D.	$UXC_{128/166}$	1.58	N.D.	$C_{128/166}$	28.1	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	45	N.D.	$C_{128/166}$	18	N.D.	$C_{128/166}$	19	N.D.	U	40	79	J	38
PCB-129	13	$BC_{129/138/1}$	N.V.P.	N.D.	$C_{129/138/163}$	61	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	59	N.D.	$C_{129/138/1}$ 63	29	N.D.	$C_{129/138/1}$ 63	30	N.D.	U	69	350		67
PCB-130	N.D.	UX	1.36	N.D.		12.6	N.D.		18	N.D.		18	N.D.		18	N.D.		21	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-131	N.D.	UX	1.3	N.D.		16.5	N.D.		15.4	N.D.		15.4	N.D.		16	N.D.		18	N.D.		12	N.D.		13	N.D.	U	20	N.D.	U	19
PCB-132	3	JXBE	N.V.P.	N.D.		15.5	N.D.		14.8	N.D.		14.8	N.D.		15	N.D.		17	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-133	N.D.	UX	1.2	N.D.		11.6	N.D.		17.8	N.D.		17.8	N.D.		18	N.D.		21	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-134	N.D.	UX	1.26	N.D.		31.9	N.D.		15	N.D.		15	N.D.		15	N.D.		17	N.D.		17	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-135	2.92	$IXBC_{135/15}$	N.V.P.	N.D.	$C_{135/151}$	44.5	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	49	N.D.	$C_{135/151}$	32	N.D.	$C_{135/151}$	34	N.D.	U	40	62	J	38
PCB-136	N.D.	UX	0.942	N.D.		15.5	N.D.		14.6	N.D.		14.6	N.D.		15	N.D.		17	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-137	N.D.	UX	1.11	N.D.		14.5	N.D.		18.7	N.D.		18.7	N.D.		19	N.D.		22	N.D.		12	N.D.		13	N.D.	U	20	41	J I	19
PCB-138	13	$BC_{129/138/1}$	N.V.P.	N.D.	$C_{129/138/163}$	61	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	59	N.D.	$C_{129/138/1}$ 63	29	N.D.	$C_{129/138/1}$ 63	20	N.D.	U	69	350		67
PCB-139	N.D.	$UXC_{139/140}$	1.13	N.D.	$C_{139/140}$	28.1	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	37	N.D.	$C_{139/140}$	19	N.D.	$C_{139/140}$	20	N.D.	U	40	N.D.	U	38
PCB-140	N.D.	$UXC_{139/140}$	1.13	N.D.	$C_{139/140}$	28.1	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	31.9	N.D.	$C_{139/140}$	32	N.D.	$C_{139/140}$	37	N.D.	$C_{139/140}$	19	N.D.	$C_{139/140}$	19	N.D.	U	40	N.D.	U	38
PCB-141	3.25	JXB	N.V.P.	N.D.		16.5	N.D.		21.8	N.D.		21.8	N.D.		22	N.D.		25	N.D.		5.9	N.D.		6.3	N.D.	U	23	N.D.	U	22
PCB-142	N.D.	UX	1.33	N.D.		16.5	N.D.		17.3	N.D.		17.3	N.D.		17	N.D.		20	N.D.		8.9	N.D.		9.5	N.D.	U	20	29	J	19
PCB-143	N.D.	UX	1.35	N.D.		31.9	N.D.		16.6	N.D.		16.6	N.D.		17	N.D.		19	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-144	N.D.	UX	1.17	N.D.		14.5	N.D.		16.2	N.D.		16.2	N.D.		16	N.D.		19	N.D.		21	N.D.		22	N.D.	U	20	120		19
PCB-145	N.D.	UX	0.917	N.D.		15.5	N.D.		15	N.D.		15	N.D.		15	N.D.		17	N.D.		23	N.D.		24	N.D.	U	20	N.D.	U	19
PCB-146	N.D.	UX	1.11	N.D.		13.6	N.D.		15.1	N.D.		15.1	N.D.		15	N.D.		18	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-147	6.7	$IXBC_{147/14}$	N.V.P.	N.D.	$C_{147/149}$	33.9	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	32	N.D.	$C_{147/149}$	20	N.D.	$C_{147/149}$	21	N.D.	U	43	42	J I	41
PCB-148	N.D.	UX	1.16	N.D.		13.6	N.D.		15.4	N.D.		15.4	N.D.		16	N.D.		18	N.D.		16	N.D.		17	N.D.	U	20	N.D.	U	19
PCB-149	6.7	$IXBC_{147/14}$	N.V.P.	N.D.	$C_{147/149}$	33.9	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	32	N.D.	$C_{147/149}$	20	N.D.	$C_{147/149}$	21	N.D.	U	43	42	J I	41
PCB-150	N.D.	UX	0.937	N.D.		14.5	N.D.		16.2	N.D.		16.2	N.D.		16	N.D.		19	N.D.		19	N.D.		20	N.D.	U	20	N.D.	U	19
PCB-151	2.92	$IXBC_{135/15}$	N.V.P.	N.D.	$C_{135/151}$	44.5	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	49	N.D.	$C_{135/151}$	32	N.D.	$C_{135/151}$	32	N.D.	U	40	62	J	38
PCB-152	N.D.	UX	0.831	N.D.		13.6	N.D.		14.2	N.D.		14.2	N.D.		14	N.D.		16	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-153	9.25	$IXBC_{153/16}$	N.V.P.	30.5	$JBC_{153/168}$	29	$C_{153/168}$	C153/168	29.7	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	34	N.D.	$C_{153/168}$	18	N.D.	$C_{153/168}$	19	N.D.	U	51	67	J I	49
PCB-154	N.D.	UX	1.05	N.D.		44.5	N.D.		45.4	N.D.		45.4	N.D.		46	N.D.		53	N.D.		44	N.D.		47	N.D.	U	20	N.D.	U	19
PCB-155	N.D.	UX	0.938	N.D.		13.6	N.D.		15.2	N.D.		15.2	N.D.		15	N.D.		18	N.D.		20	N.D.		21	N.D.	U	20	N.D.	U	19
PCB-156	2.81	$IXBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.3	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	39	N.D.	$C_{156/157}$	29	N.D.	$C_{156/157}$	30	N.D.	U	40	61	J	38
PCB-157	2.81	$IXBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.3	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	39	N.D.	$C_{156/157}$	29	N.D.	$C_{156/157}$	30	N.D.	U	40	61	J	38

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-07																														
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
PCB-158	1.42	JBXE	N.V.P.	N.D.		15.5	N.D.		18.2	N.D.		18.2	N.D.		18	N.D.		21	N.D.		11	N.D.		12	N.D.	U	20	N.D.	U	19
PCB-159	N.D.	UX	1.29	N.D.		13.6	N.D.		19.5	N.D.		19.5	N.D.		20	N.D.		23	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-160	N.D.	UX	1.03	N.D.		61	N.D.		19.2	N.D.		19.2	N.D.		19	N.D.		22	N.D.		12	N.D.		13	N.D.	U	20	40	J	19
PCB-161	N.D.	UX	0.91	N.D.		12.6	N.D.		16.8	N.D.		16.8	N.D.		17	N.D.		19	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-162	N.D.	UX	1.31	N.D.		12.6	N.D.		19	N.D.		19	N.D.		19	N.D.		22	N.D.		8.9	N.D.		9.5	N.D.	U	20	N.D.	U	19
PCB-163	13	$BC_{129/138/1}$	N.V.P.	N.D.	$C_{129/138/163}$	61	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	50.8	N.D.	$C_{129/138/163}$	51	N.D.	$C_{129/138/163}$	59	N.D.	$C_{129/138/163}$	29	N.D.	$C_{129/138/163}$	30	N.D.	U	69	350		67
PCB-164	N.D.	UX	0.926	N.D.		14.5	N.D.		17.1	N.D.		17.1	N.D.		17	N.D.		20	N.D.		6.9	N.D.		7.4	N.D.	U	20	N.D.	U	19
PCB-165	N.D.	UX	0.975	N.D.		12.6	N.D.		16.8	N.D.		16.8	N.D.		17	N.D.		19	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-166	N.D.	$JXC_{128/166}$	1.58	N.D.	$C_{128/166}$	28.1	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	45	N.D.	$C_{128/166}$	18	N.D.	$C_{128/166}$	19	N.D.	U	40	79	J	38
PCB-167	N.D.	UX	1.32	N.D.		12.6	N.D.		16.5	N.D.		16.5	N.D.		17	N.D.		19	N.D.		11	N.D.		12	N.D.	U	20	23	J	19
PCB-168	9.25	$XBC_{153/16}$	N.V.P.	30.5	$JBC_{153/168}$	29	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	34	N.D.	$C_{153/168}$	18	N.D.	$C_{153/168}$	19	N.D.	U	51	67	J I	49
PCB-169	N.D.	UX	1.83	N.D.		14.5	N.D.		18.1	N.D.		18.1	N.D.		18	N.D.		21	N.D.		18	N.D.		18	N.D.	U	20	N.D.	U	19
PCB-170	23.6	XB	N.V.P.	N.D.		11.6	N.D.		17.2	N.D.		17.2	N.D.		17	N.D.		20	N.D.		11	N.D.		12	N.D.	U	20	63	J	40
PCB-171	3.31	$XBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	29	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	42	N.D.	$C_{171/173}$	16	N.D.	$C_{171/173}$	17	N.D.	U	40	40	J	38
PCB-172	2.36	JXE	N.V.P.	N.D.		12.6	N.D.		15.3	N.D.		15.3	N.D.		15	N.D.		18	N.D.		8.9	N.D.		9.5	N.D.	U	20	23	J	19
PCB-173	3.31	$XBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	29	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	42	N.D.	$C_{171/173}$	16	N.D.	$C_{171/173}$	17	N.D.	U	40	40	J	38
PCB-174	13.1	XB	N.V.P.	N.D.		14.5	N.D.		17.1	N.D.		17.1	N.D.		17	N.D.		20	N.D.		11	12	J	12	N.D.	U	47	N.D.	U	45
PCB-175	N.D.	UX	1.62	N.D.		13.6	N.D.		20.3	N.D.		20.3	N.D.		20	N.D.		24	N.D.		12	N.D.		13	N.D.	U	20	20	J	19
PCB-176	N.D.	UX	0.875	N.D.		11.6	N.D.		15.6	N.D.		15.6	N.D.		16	N.D.		18	N.D.		5.9	N.D.		6.3	N.D.	U	20	N.D.	U	19
PCB-177	6.34	JXB	N.V.P.	N.D.		10.6	N.D.		17.4	N.D.		17.4	N.D.		17	N.D.		20	N.D.		8.9	N.D.		9.5	N.D.	U	24	37	J	23
PCB-178	N.D.	UX	1.26	N.D.		13.6	N.D.		25.7	N.D.		25.7	N.D.		26	N.D.		30	N.D.		15	N.D.		16	N.D.	U	20	28	J	19
PCB-179	2.23	JXB	N.V.P.	N.D.		13.6	N.D.		13.7	N.D.		13.7	N.D.		14	N.D.		16	N.D.		8.9	N.D.		9.5	N.D.	U	20	N.D.	U	19
PCB-180	43.8	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	33	N.D.	$C_{180/193}$	19	52	J B	20	N.D.	U	50	120	J	48
PCB-181	N.D.	UX	1.52	N.D.		12.6	N.D.		20.2	N.D.		20.2	N.D.		20	N.D.		23	N.D.		7.9	N.D.		8.4	N.D.	U	20	N.D.	U	19
PCB-182	N.D.	UX	1.43	N.D.		12.6	N.D.		23	N.D.		23	N.D.		23	N.D.		27	N.D.		11	N.D.		12	N.D.	U	20	21	J	19
PCB-183	4.34	JXB	N.V.P.	N.D.	$C_{183/185}$	27.1	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	58	N.D.	$C_{183/185}$	22	N.D.	$C_{183/185}$	23	N.D.	U	42	41	J	40
PCB-184	N.D.	UX	0.978	N.D.		13.6	N.D.		15.7	N.D.		15.7	N.D.		16	N.D.		18	N.D.		14	N.D.		15	N.D.	U	20	N.D.	U	19
PCB-185	N.D.	UX	1.53	N.D.	$C_{183/185}$	27.1	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	58	N.D.	$C_{183/185}$	22	N.D.	$C_{183/185}$	23	N.D.	U	42	41	J	40
PCB-186	N.D.	UX	0.92	N.D.		14.5	N.D.		16.6	N.D.		16.6	N.D.		17	N.D.		19	N.D.		11	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-187	8.16	JXB	N.V.P.	N.D.		16.5	N.D.		19.8	N.D.		19.8	N.D.		20	N.D.		23	N.D.		11	24	J I B	12	N.D.	U	38	140	J	36
PCB-188	N.D.	UX	1.01	N.D.		14.5	N.D.		78.8	N.D.		78.8	N.D.		79	N.D.		91	N.D.		46	N.D.		49	N.D.	U	20	N.D.	U	19
PCB-189	2.25	JX	N.V.P.	N.D.		12.6	N.D.		17.1	N.D.		17.1	N.D.		17	N.D.		20	N.D.		15	N.D.		16	N.D.	U	20	N.D.	U	19
PCB-190	4.46	JXBE	N.V.P.	N.D.		13.6	N.D.		19.2	N.D.		19.2	N.D.		19	N.D.		22	N.D.		16	N.D.		17	N.D.	U	20	28	J I	19
PCB-191	N.D.	UX	1.25	N.D.		12.6	N.D.		15.5	N.D.		15.5	N.D.		16	N.D.		18	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-192	N.D.	UX	1.33	N.D.		12.6	N.D.		17.5	N.D.		17.5	N.D.		18	N.D.		20	N.D.		8.9	N.D.		9.5	N.D.	U	20	N.D.	U	19
PCB-193	43.8	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	33	N.D.	$C_{180/193}$	19	52	J B	20	N.D.	U	50	120	J	48
PCB-194	26.6	XB	N.V.P.	N.D.		17.4	N.D.		27.9	N.D.		27.9	N.D.		28	N.D.		32	N.D.		12	80	J B	13	N.D.	U	26	N.D.	U	53
PCB-195	9.89	JXB	N.V.P.	N.D.		21.3	N.D.		27.1	N.D.		27.1	N.D.		27	N.D.		31	N.D.		14	N.D.		15	N.D.	U	20	21	J	19
PCB-196	9.15	JXB	N.V.P.	N.D.		19.4	N.D.		23.1	N.D.		23.1	N.D.		23	N.D.		27	N.D.		11	26	J B	12	N.D.	U	20	26	J	19
PCB-197	N.D.	UX	0.972	N.D.	$C_{197/200}$	41.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	89	N.D.	$C_{197/200}$	14	N.D.	$C_{197/200}$	15	N.D.	U	40	N.D.	U	38
PCB-198	17.8	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	35.8	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	56	N.D.	$C_{198/199}$	18	79	J B	19	N.D.	U	40	99	J	38
PCB-199	17.8	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	35.8	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	56	N.D.	$C_{198/199}$	18	79	J B	19	N.D.	U	40	99	J	38
PCB-200	1.47	JX	N.V.P.	N.D.	$C_{197/200}$	41.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	89	N.D.	$C_{197/200}$	14	N.D.	$C_{197/200}$	15	N.D.	U	40	N.D.	U	38
PCB-201	1.03	JXB	N.V.P.	N.D.		19.4	N.D.		96.7	N.D.		96.7	N.D.		97	N.D.		110	N.D.		48	N.D.		52	N.D.	U	20	N.D.	U	19
PCB-202	0.963	JXB	N.V.P.	N.D.		23.2	N.D.		27.3	N.D.		27.3	N.D.		27	N.D.		32	N.D.		8.9	N.D.		9.5	N.D.	U	20	22	J	19
PCB-203	11.4	JXB	N.V.P.	N.D.		17.4	N.D.		20.7	N.D.		20.7	N.D.		21	N.D.		24	N.D.		13	27	J B	14	N.D.	U	20	51	J	50
PCB-204	N.D.	UX	1.08	N.D.		20.3	N.D.		22.1	N.D.		22.1	N.D.		22	N.D.		26	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-205	N.D.	UX	1.58	N.D.		14.5	N.D.		27	N.D.		27	N.D.		27	N.D.		31	N.D.		6.9	N.D.		7.4	N.D.	U	20	N.D.	U	19
PCB-206	7.29	JX	N.V.P.	N.D.		15.5	N.D.		24.5	N.D.		24.5	N.D.		25	N.D.		28	N.D.		6.9	65	J B	7.4	N.D.	U	20	N.D.	U	55
PCB-207	N.D.	UX	2.52	N.D.		18.4	N.D.		23.8	N.D.		23.8	N.D.		24	N.D.		28	N.D.		9.9	N.D.		11	N.D.	U	20	N.D.	U	19
PCB-208	N.D.	UX	2.71	N.D.		15.5	N.D.		25.6	N.D.		25.6	N.D.		26	N.D.		30	N.D.		54	N.D.		58	N.D.	U	31	N.D.	U	30
PCB-209	1.69	JXE	N.V.P.	N.D.		15.5	N.D.		353	N.D.		353	N.D.		360	N.D.		410	N.D.		240	N.D.		250	N.D.	U	40	N.D.	U	38

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D.	Analyte was not detected
	Substance was detected in the method blank, not considered to represent actual groundwater conditions
N.S.	Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-08																													
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/14/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
Total PCBs	1653.3	-	-	135.7	-	-	N.D.	-	-	N.D.	-	-	51	-	-	N.D.	-	-	N.D.	-	-	26	-	-	N.D.	-	-	N.D.	-	-
PCB-1	N.D.	UX	1.8	N.D.		9.61	N.D.		48.1	N.D.		49	N.D.		49	N.D.		54	N.D.		19	N.D.		17	N.D.	U	38	N.D.	U	41
PCB-2	N.D.	UX	1.96	N.D.		6.72	N.D.		70.5	N.D.		71.8	N.D.		72	N.D.		79	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	31
PCB-3	N.D.	UX	2.16	N.D.		10.6	N.D.		39.6	N.D.		40.4	N.D.		40	N.D.		44	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	31
PCB-4	N.D.	UX	4.4	N.D.		12.5	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		23	N.D.		21	N.D.	U	27	N.D.	U	30
PCB-5	N.D.	UX	4.01	N.D.		7.68	N.D.		7.46	N.D.		7.6	N.D.		7.6	N.D.		8.4	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	21
PCB-6	N.D.	UX	4.06	N.D.		6.72	N.D.		13.3	N.D.		13.6	N.D.		14	N.D.		15	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-7	N.D.	UX	3.96	N.D.		7.68	N.D.		7.89	N.D.		8.04	N.D.		8	N.D.		8.8	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-8	N.D.	UX	3.96	N.D.		14.4	N.D.		10	N.D.		10.2	N.D.		10	N.D.		11	N.D.		17	N.D.		16	N.D.	U	27	N.D.	U	30
PCB-9	N.D.	UX	4.44	N.D.		6.72	N.D.		8.35	N.D.		8.51	N.D.		8.5	N.D.		9.4	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-10	N.D.	UX	2.89	N.D.		12.5	N.D.		5.15	N.D.		5.25	N.D.		5.2	N.D.		5.8	N.D.		23	N.D.		21	N.D.	U	19	N.D.	U	21
PCB-11	13.8	X	N.V.P.	N.D.		32.7	N.D.		130	N.D.		132	N.D.		130	N.D.		150	N.D.		120	N.D.		110	N.D.	U	57	N.D.	U	130
PCB-12	N.D.	UXC$_{12/13}$	4.13	N.D.	C$_{12/13}$	18.3	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	24	N.D.	C$_{12/13}$	36	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	23
PCB-13	N.D.	UXC$_{12/13}$	4.13	N.D.	C$_{12/13}$	18.3	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	21.5	N.D.	C$_{12/13}$	21	N.D.	C$_{12/13}$	24	N.D.	C$_{12/13}$	36	N.D.	C$_{12/13}$	33	N.D.	U	19	N.D.	U	23
PCB-14	N.D.	UX	3.55	N.D.		7.68	N.D.		1.9	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	23
PCB-15	N.D.	UX	4.43	N.D.		15.4	N.D.		8.09	N.D.		8.24	N.D.		8.2	N.D.		9.1	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	23
PCB-16	N.D.	UX	6.28	N.D.		8.65	N.D.		1.9	N.D.		5.17	N.D.		5.1	N.D.		5.7	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	23
PCB-17	N.D.	UX	3.6	N.D.		8.65	N.D.		5.84	N.D.		5.95	N.D.		5.9	N.D.		6.5	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	23
PCB-18	5.88	JXC$_{18/30}$	N.V.P.	N.D.	C$_{18/30}$	15.4	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.71	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	11	N.D.	C$_{18/30}$	25	N.D.	C$_{18/30}$	23	N.D.	U	38	N.D.	U	45
PCB-19	N.D.	UX	4.04	N.D.		7.68	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		12	N.D.		11	N.D.	U	23	N.D.	U	27
PCB-20	6.93	JXC$_{20/28}$	N.V.P.	N.D.	C$_{20/28}$	21.1	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.8	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	17	N.D.	C$_{20/28}$	30	N.D.	C$_{20/28}$	27	N.D.	U	38	N.D.	U	45
PCB-21	5.79	JXC$_{21/33}$	N.V.P.	N.D.	C$_{21/33}$	20.2	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.71	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	11	N.D.	C$_{21/33}$	31	N.D.	C$_{21/33}$	28	N.D.	U	38	N.D.	U	45
PCB-22	N.D.	UX	2.99	N.D.		8.65	N.D.		5.65	N.D.		5.76	N.D.		5.7	N.D.		6.3	N.D.		15	N.D.		15	N.D.	U	19	N.D.	U	23
PCB-23	N.D.	UX	2.89	N.D.		6.72	N.D.		4.8	N.D.		4.89	N.D.		4.9	N.D.		5.4	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	23
PCB-24	N.D.	UX	2.49	N.D.		9.61	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	23
PCB-25	N.D.	UX	2.79	N.D.		7.68	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	23
PCB-26	N.D.	UXC$_{26/29}$	2.81	N.D.	C$_{26/29}$	11.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	31	N.D.	C$_{26/29}$	38	N.D.	C$_{26/29}$	36	N.D.	U	38	N.D.	U	45
PCB-27	N.D.	UX	2.6	N.D.		7.68	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	23
PCB-28	6.93	JXC$_{20/28}$	N.V.P.	N.D.	C$_{20/28}$	21.1	N.D.	C$_{20/28}$	15.5	N.D.	C$_{20/28}$	15.8	N.D.	C$_{20/28}$	16	N.D.	C$_{20/28}$	17	N.D.	C$_{20/28}$	30	N.D.	C$_{20/28}$	27	N.D.	U	38	N.D.	U	45
PCB-29	N.D.	UXC$_{26/29}$	2.81	N.D.	C$_{26/29}$	11.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	28.5	N.D.	C$_{26/29}$	28	N.D.	C$_{26/29}$	31	N.D.	C$_{26/29}$	38	N.D.	C$_{26/29}$	36	N.D.	U	38	N.D.	U	45
PCB-30	5.88	JXC$_{18/30}$	N.V.P.	N.D.	C$_{18/30}$	15.4	N.D.	C$_{18/30}$	9.52	N.D.	C$_{18/30}$	9.71	N.D.	C$_{18/30}$	9.7	N.D.	C$_{18/30}$	11	N.D.	C$_{18/30}$	25	N.D.	C$_{18/30}$	23	N.D.	U	38	N.D.	U	45
PCB-31	5.48	JXE	N.V.P.	N.D.		17.3	N.D.		11.1	N.D.		11.4	N.D.		11	N.D.		12	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	47
PCB-32	N.D.	UX	2.53	N.D.		7.68	N.D.		4.83	N.D.		4.92	N.D.		4.9	N.D.		5.4	N.D.		8.5	N.D.		7.8	N.D.	U	19	N.D.	U	23
PCB-33	5.79	JXC$_{21/33}$	N.V.P.	N.D.	C$_{21/33}$	20.2	N.D.	C$_{21/33}$	9.52	N.D.	C$_{21/33}$	9.71	N.D.	C$_{21/33}$	9.7	N.D.	C$_{21/33}$	11	N.D.	C$_{21/33}$	31	N.D.	C$_{21/33}$	28	N.D.	U	38	N.D.	U	45
PCB-34	N.D.	UX	2.95	N.D.		6.72	N.D.		5.55	N.D.		5.66	N.D.		5.6	N.D.		6.2	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	23
PCB-35	N.D.	UX	3.06	N.D.		8.65	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	23
PCB-36	N.D.	UX	2.74	N.D.		7.68	N.D.		6.82	N.D.		6.95	N.D.		6.9	N.D.		7.6	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	23
PCB-37	N.D.	UX	3.43	N.D.		9.61	N.D.		5.49	N.D.		5.59	N.D.		5.6	N.D.		6.2	N.D.		8.5	N.D.		8.5	N.D.	U	19	N.D.	U	28
PCB-38	N.D.	UX	2.87	N.D.		6.72	N.D.		4.76	N.D.		4.85	N.D.		4.8	N.D.		5.3	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	23
PCB-39	N.D.	UX	2.65	N.D.		7.68	N.D.		5.9	N.D.		6.02	N.D.		6	N.D.		6.6	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	23
PCB-40	2.88	JXEC$_{40/71}$	N.V.P.	N.D.	C$_{40/71}$	40.3	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.5	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	21	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	38	N.D.	U	45
PCB-41	N.D.	UX	1.99	N.D.		40.3	N.D.		12.6	N.D.		12.8	N.D.		13	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-42	N.D.	UX	2.11	N.D.		15.4	N.D.		13.5	N.D.		13.8	N.D.		14	N.D.		15	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-43	N.D.	UX	2.73	N.D.		13.4	N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		11	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-44	54.8	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	25	N.D.	C$_{44/47/65}$	23	N.D.	U	57	N.D.	U	69
PCB-45	N.D.	UX	1.62	N.D.		21.1	N.D.		11	N.D.		11.3	N.D.		11	N.D.		12	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-46	N.D.	UX	2.3	N.D.		9.61	N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		11	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-47	54.8	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	25	N.D.	C$_{44/47/65}$	23	N.D.	U	57	N.D.	U	69
PCB-48	N.D.	UX	1.87	N.D.		13.4	N.D.		12	N.D.		12.2	N.D.		12	N.D.		13	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-49	4.22	JXEC$_{49/69}$	N.V.P.	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.5	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	27	N.D.	C$_{49/69}$	19	N.D.	C$_{49/69}$	17	N.D.	U	38	N.D.	U	41
PCB-50	N.D.	UXC$_{50/53}$	1.89	N.D.	C$_{50/53}$	24	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.9	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	100	N.D.	C$_{50/53}$	96	N.D.	C$_{50/53}$	88	N.D.	U	38	N.D.	U	41
PCB-51	58.9	X	N.V.P.	N.D.		21.1	N.D.		30.1	N.D.		30.7	N.D.		31	N.D.		34	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	21
PCB-52	10.1	JX	N.V.P.	N.D.		14.4	N.D.		20.1	N.D.		20.5	N.D.		20	N.D.		23	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	68
PCB-53	N.D.	UXC$_{50/53}$	1.89	N.D.	C$_{50/53}$	24	N.D.	C$_{50/53}$	90.2	N.D.	C$_{50/53}$	91.9	N.D.	C$_{50/53}$	92	N.D.	C$_{50/53}$	100	N.D.	C$_{50/53}$	96	N.D.	C$_{50/53}$	88	N.D.	U	38	N.D.	U	41
PCB-54	N.D.	UX	2.13	N.D.		13.4	N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		11	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-55	N.D.	UX	2.36	N.D.		11.5	N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		13	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	68
PCB-56	3.34	JXE	N.V.P.	N.D.		14.4	N.D.		10.3	N.D.		10.5	N.D.		10	N.D.		12	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-57	N.D.	UX	2.22	N.D.		10.6	N.D.		13	N.D.		13.3	N.D.		13	N.D.		15	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-58	N.D.	UX	2.04	N.D.		13.4	N.D.		12.4	N.D.		12.6	N.D.		13	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-59	N.D.	JXC$_{59/62/7}$	1.39	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	57	N.D.	U	62
PCB-60	N.D.	UX	2.18	N.D.		13.4	N.D.		12	N.D.		12.2	N.D.		12	N.D.		13	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-61	14.1	XC$_{61/70/74/7}$	N.V.P.	N.D.	C$_{61/70/74/76}$	56.7	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	51	N.D.	C$_{61/70/74/76}$	32	N.D.	C$_{61/70/74/76}$	29	N.D.	U	76	N.D.	U	82
PCB-62	N.D.	JXC$_{59/62/7}$	1.39	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	57	N.D.	U	62
PCB-63	N.D.	UX	1.94	N.D.		11.5	N.D.		12.3	N.D.		12.5	N.D.		12	N.D.		14	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	21
PCB-64	2.68	JX	N.V.P.	N.D.		12.5	N.D.		10.5	N.D.		10.7	N.D.		11	N.D.		12	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-65	54.8	XC$_{44/47/65}$	N.V.P.	N.D.	C$_{44/47/65}$	38.4	N.D.	C$_{44/47/65}$	37	N.D.	C$_{44/47/65}$	37.8	N.D.	C$_{44/47/65}$	38	N.D.	C$_{44/47/65}$	42	N.D.	C$_{44/47/65}$	25	N.D.	C$_{44/47/65}$	23	N.D.	U	57	N.D.	U	69
PCB-66	5.1	JX	N.V.P.	N.D.		16.3	N.D.		10.5	N.D.		10.7	N.D.		11	N.D.		12	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-67	N.D.	UX	2.15	N.D.		11.5	N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		13	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-68	30	X	N.V.P.	N.D.		13.4	N.D.		14.6	N.D.		14.9	N.D.		15	N.D.		16	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-69	4.22	JXEC$_{49/69}$	N.V.P.	N.D.	C$_{49/69}$	25	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	24.5	N.D.	C$_{49/69}$	24	N.D.	C$_{49/69}$	27	N.D.	C$_{49/69}$	19	N.D.	C$_{49/69}$	19	N.D.	U	38	N.D.	U	41
PCB-70	14.1	XC$_{61/70/74/7}$	N.V.P.	N.D.	C$_{61/70/74/76}$	56.7	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	51	N.D.	C$_{61/70/74/76}$	32	N.D.	C$_{61/70/74/76}$	29	N.D.	U	76	N.D.	U	82
PCB-71	2.88	JXEC$_{40/71}$	N.V.P.	N.D.	C$_{40/71}$	40.3	N.D.	C$_{40/71}$	19.1	N.D.	C$_{40/71}$	19.5	N.D.	C$_{40/71}$	19	N.D.	C$_{40/71}$	21	N.D.	C$_{40/71}$	17	N.D.	C$_{40/71}$	16	N.D.	U	38	N.D.	U	45
PCB-72	N.D.	UX	2.16	N.D.		12.5	N.D.		15	N.D.		15.2	N.D.		15	N.D.		17	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-73	N.D.	UX	1.38	N.D.		13.4	N.D.		19.8	N.D.		20.2	N.D.		20	N.D.		22	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-74	14.1	XC$_{61/70/74/7}$	N.V.P.	N.D.	C$_{61/70/74/76}$	56.7	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	51	N.D.	C$_{61/70/74/76}$	32	N.D.	C$_{61/70/74/76}$	29	N.D.	U	76	N.D.	U	82
PCB-75	N.D.	JXC$_{59/62/7}$	1.39	N.D.	C$_{59/62/75}$	35.5	N.D.	C$_{59/62/75}$	39.7	N.D.	C$_{59/62/75}$	40.5	N.D.	C$_{59/62/75}$	40	N.D.	C$_{59/62/75}$	45	N.D.	C$_{59/62/75}$	26	N.D.	C$_{59/62/75}$	24	N.D.	U	57	N.D.	U	62
PCB-76	14.1	XC$_{61/70/74/7}$	N.V.P.	N.D.	C$_{61/70/74/76}$	56.7	N.D.	C$_{61/70/74/76}$	45.6	N.D.	C$_{61/70/74/76}$	46.5	N.D.	C$_{61/70/74/76}$	46	N.D.	C$_{61/70/74/76}$	51	N.D.	C$_{61/70/74/76}$	32	N.D.	C$_{61/70/74/76}$	29	N.D.	U	76	N.D.	U	82
PCB-77	N.D.	UX	2.42	N.D.		13.4	N.D.		10	N.D.		10.2	N.D.		10	N.D.		11	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	21
PCB-78	N.D.	UX	2.3	N.D.		15.4	N.D.		13.4	N.D.		13.7	N.D.		14	N.D.		15	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-79	N.D.	UX	1.93	N.D.		12.5	N.D.		13.5	N.D.		13.8	N.D.		14	N.D.		15	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-80	N.D.	UX	1.89	N.D.		10.6	N.D.		15.8	N.D.		16.1	N.D.		16	N.D.		18	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-81	N.D.	UX	2.43	N.D.		17.3	N.D.		9.52	N.D.		9.71	N.D.		9.7	N.D.		11	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-82	N.D.	UX	1.89	N.D.		14.4	N.D.		11.7	N.D.		11.9	N.D.		12	N.D.		13	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	21
PCB-83	N.D.	UX	1.49	N.D.		27.9	N.D.		12	N.D.		12.2	N.D.		12	N.D.		13	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-84	5.24	JX	N.V.P.	N.D.		10.6	N.D.		11.3	N.D.		11.6	N.D.		12	N.D.		13	N.D.		26	N.D.		24	N.D.	U	19	N.D.	U	21
PCB-85	3.14	JXEC$_{85/11}$	N.V.P.	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	73	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	57	N.D.	U	62
PCB-86	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-87	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-88	N.D.	UX	1.57	N.D.		21.1	N.D.		14.2	N.D.		14.5	N.D.		14	N.D.		16	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-89	N.D.	UX	1.76	N.D.		12.5	N.D.		14.2	N.D.		14.5	N.D.		14	N.D.		16	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-90	25.9	BC$_{90/101/1}$	N.V.P.	N.D.	C$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40.1	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	44	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	39	N.D.	U	57	N.D.	U	62
PCB-91	2.35	JX	N.V.P.	N.D.		21.1	N.D.		11.3	N.D.		11.6	N.D.		12	N.D.		13	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-92	3.69	JX	N.V.P.	N.D.		12.5	N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		17	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-93	N.D.	UXC$_{93/100}$	1.39	N.D.	C$_{93/100}$	74	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.9	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	33	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	38	N.D.	U	41
PCB-94	N.D.	UX	1.74	N.D.		12.5	N.D.		13.2	N.D.		13.5	N.D.		13	N.D.		15	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	21
PCB-95	20.7	XB	N.V.P.	N.D.		74	N.D.		14.7	N.D.		15	51	J I B	15	N.D.		16	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-96	N.D.	UX	1.23	N.D.		14.4	N.D.		12.3	N.D.		12.5	N.D.		12	N.D.		14	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-97	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-98	N.D.	UX	2.25	N.D.	C$_{98/102}$	74	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	40.1	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	44	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	38	N.D.	U	41
PCB-99	9.05	JX	N.V.P.	N.D.		27.9	N.D.		13.9	N.D.		14.2	N.D.		14	N.D.		16	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-100	N.D.	UXC$_{93/100}$	1.39	N.D.	C$_{93/100}$	74	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.9	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	33	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	38	N.D.	U	41
PCB-101	25.9	BC$_{90/101/1}$	N.V.P.	N.D.	C$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40.1	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	44	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	39	N.D.	U	57	N.D.	U	62
PCB-102	N.D.	UX	1.58	N.D.	C$_{98/102}$	74	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	40.1	N.D.	C$_{98/102}$	40	N.D.	C$_{98/102}$	44	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	38	N.D.	U	41
PCB-103	N.D.	UX	1.54	N.D.		10.6	N.D.		17.4	N.D.		17.8	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-104	N.D.	UX	1.31	N.D.		13.4	N.D.		12.1	N.D.		12.3	N.D.		12	N.D.		14	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-105	11.5	JXB	N.V.P.	N.D.		16.3	N.D.		12.3	N.D.		12.5	N.D.		12	N.D.		14	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-106	N.D.	UX	1.28	N.D.		16.3	N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		17	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	21
PCB-107	N.D.	JXC$_{107/12}$	1.22	N.D.		16.3	N.D.		15.4	N.D.		15.7	N.D.		16	N.D.		17	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-108	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{108/124}$	27.9	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.9	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	34	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	25	N.D.	U	38	N.D.	U	41
PCB-109	1.85	JX	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-110	25.8	XB	N.V.P.	N.D.	C$_{110/115}$	37.5	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	59.3	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	65	N.D.	C$_{110/115}$	28	N.D.	C$_{110/115}$	25	N.D.	U	38	N.D.	U	41
PCB-111	N.D.	UX	1.14	N.D.		13.4	N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		18	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	21
PCB-112	N.D.	UX	1.41	N.D.		13.4	N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		19	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-113	25.9	BC$_{90/101/1}$	N.V.P.	N.D.	C$_{90/101/113}$	45.1	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	40.1	N.D.	C$_{90/101/113}$	40	N.D.	C$_{90/101/113}$	44	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	39	N.D.	U	57	N.D.	U	62
PCB-114	N.D.	UX	1.24	N.D.		14.4	N.D.		14.7	N.D.		15	N.D.		15	N.D.		16	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-115	N.D.	UX	1.62	N.D.	C$_{110/115}$	37.5	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	59.3	N.D.	C$_{110/115}$	59	N.D.	C$_{110/115}$	65	N.D.	C$_{110/115}$	28	N.D.	C$_{110/115}$	28	N.D.	U	38	N.D.	U	41
PCB-116	3.14	JXEC$_{85/11}$	N.V.P.	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	73	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	57	N.D.	U	62
PCB-117	N.D.	UX	0.967	N.D.	C$_{85/116/117}$	36.5	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	66	N.D.	C$_{85/116/117}$	73	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	33	N.D.	U	57	N.D.	U	62
PCB-118	21.8	XB	N.V.P.	N.D.		28.8	N.D.		12.9	N.D.		13.1	N.D.		13	N.D.		14	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-119	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-120	N.D.	UX	1.11	N.D.		12.5	N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		18	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-121	N.D.	UX	1.16	N.D.		11.5	N.D.		13.7	N.D.		14	N.D.		14	N.D.		15	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-122	N.D.	UX	1.3	N.D.		11.5	N.D.		12.9	N.D.		13.1	N.D.		13	N.D.		14	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-123	N.D.	UX	1.26	N.D.		16.3	N.D.		12.5	N.D.		12.7	N.D.		13	N.D.		14	N.D.		23	N.D.		21	N.D.	U	19	N.D.	U	21
PCB-124	N.D.	JXC$_{107/12}$	1.22	N.D.	C$_{108/124}$	27.9	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.9	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	34	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	25	N.D.	U	38	N.D.	U	41
PCB-125	13.4	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	87/97/109/11	71.1	N.D.	87/97/109/11	122	N.D.	87/97/109/11	124	N.D.	87/97/109/11	120	N.D.	87/97/109/11	140	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	150	N.D.	U	110	N.D.	U	120
PCB-126	N.D.	UX	1.53	N.D.		15.4	N.D.		15.8	N.D.		16.1	N.D.		16	N.D.		18	N.D.		31	N.D.		28	N.D.	U	19	N.D.	U	21
PCB-127	N.D.	UX	1.21	N.D.		13.4	N.D.		17.8	N.D.		18.2	N.D.		18	N.D.		20	N.D.		7.4	N.D.		6.8	N.D.	U	19	N.D.	U	21
PCB-128	10.8	BXC$_{128/16}$	N.V.P.	N.D.	C$_{128/166}$	27.9	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	38.6	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	43	N.D.	C$_{128/166}$	19	N.D.	C$_{128/166}$	17	N.D.	U	38	N.D.	U	41
PCB-129	97.2	BC$_{129/138/1}$	N.V.P.	N.D.	C$_{129/138/163}$	60.5	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	50.8	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	56	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	66	N.D.	U	72
PCB-130	2.7	JXE	N.V.P.	N.D.		12.5	N.D.		17.6	N.D.		18	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-131	N.D.	UX	0.911	N.D.		16.3	N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		17	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-132	25.3	XB	N.V.P.	N.D.		15.4	N.D.		14.5	N.D.		14.8	N.D.		15	N.D.		16	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-133	N.D.	UX	0.836	N.D.		11.5	N.D.		17.4	N.D.		17.8	N.D.		18	N.D.		20	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-134	2.98	JX	N.V.P.	N.D.		31.7	N.D.		14.8	N.D.		15	N.D.		15	N.D.		17	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-135	29.3	XBC$_{135/15}$	N.V.P.	N.D.	C$_{135/151}$	44.2	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41.8	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	46	N.D.	C$_{135/151}$	34	N.D.	C$_{135/151}$	31	N.D.	U	38	N.D.	U	41
PCB-136	11.3	JXB	N.V.P.	N.D.		15.4	N.D.		14.3	N.D.		14.6	N.D.		15	N.D.		16	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-137	0.867	JXE	N.V.P.	N.D.		14.4	N.D.		18.4	N.D.		18.7	N.D.		19	N.D.		21	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-138	97.2	BC$_{129/138/1}$	N.V.P.	N.D.	C$_{129/138/163}$	60.5	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	50.8	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	56	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	18	N.D.	U	66	N.D.	U	72
PCB-139	N.D.	JXC$_{139/14}$	0.792	N.D.	C$_{139/140}$	27.9	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.9	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	35	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	18	N.D.	U	38	N.D.	U	41
PCB-140	N.D.	JXC$_{139/14}$	0.792	N.D.	C$_{139/140}$	27.9	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.9	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	35	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	20	N.D.	U	38	N.D.	U	41
PCB-141	25	XB	N.V.P.	N.D.		16.3	N.D.		21.4	N.D.		21.8	N.D.		22	N.D.		24	N.D.		6.3	N.D.		5.8	N.D.	U	22	N.D.	U	24
PCB-142	N.D.	UX	0.932	N.D.		16.3	N.D.		17	N.D.		17.3	N.D.		17	N.D.		19	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-143	N.D.	UX	0.946	N.D.		31.7	N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		18	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-144	3.51	JXE	N.V.P.	N.D.		14.4	N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		18	N.D.		22	N.D.		20	N.D.	U	19	N.D.	U	21

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-08																																
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/14/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																																	
PCB-145	N.D.	UX	0.77	N.D.		15.4	N.D.		14.7	N.D.		15	N.D.		15	N.D.		16	N.D.		24	N.D.		22	N.D.	U	19	N.D.	U	21
PCB-146	9.75	JXB	N.V.P.	N.D.		13.4	N.D.		14.9	N.D.		15.1	N.D.		15	N.D.		17	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-147	66	$KBC_{147/149}$	N.V.P.	N.D.	$C_{147/149}$	33.6	N.D.	$C_{147/149}$	27.3	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	31	N.D.	$C_{147/149}$	21	N.D.	$C_{147/149}$	19	N.D.	U	41	N.D.	U	44
PCB-148	N.D.	UX	0.812	N.D.		13.4	N.D.		15.1	N.D.		15.4	N.D.		15	N.D.		17	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-149	66	$KBC_{147/149}$	N.V.P.	N.D.	$C_{147/149}$	33.6	N.D.	$C_{147/149}$	27.3	N.D.	$C_{147/149}$	27.9	N.D.	$C_{147/149}$	28	N.D.	$C_{147/149}$	31	N.D.	$C_{147/149}$	21	N.D.	$C_{147/149}$	19	N.D.	U	41	N.D.	U	44
PCB-150	N.D.	UX	0.787	N.D.		14.4	N.D.		15.9	N.D.		16.2	N.D.		16	N.D.		18	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	21
PCB-151	29.3	$KBC_{135/151}$	N.V.P.	N.D.	$C_{135/151}$	44.2	N.D.	$C_{135/151}$	41	N.D.	$C_{135/151}$	41.8	N.D.	$C_{135/151}$	42	N.D.	$C_{135/151}$	46	N.D.	$C_{135/151}$	34	N.D.	$C_{135/151}$	34	N.D.	U	38	N.D.	U	41
PCB-152	N.D.	UX	0.698	N.D.		13.4	N.D.		13.9	N.D.		14.2	N.D.		14	N.D.		16	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-153	78.1	$KBC_{153/168}$	N.V.P.	35.9	$JBC_{153/168}$	28.8	N.D.	$C_{153/168}$	29.1	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	33	N.D.	$C_{153/168}$	19	N.D.	$C_{153/168}$	17	N.D.	U	48	N.D.	U	52
PCB-154	N.D.	UX	0.735	N.D.		44.2	N.D.		44.6	N.D.		45.4	N.D.		45	N.D.		50	N.D.		48	N.D.		44	N.D.	U	19	N.D.	U	21
PCB-155	N.D.	UX	0.788	N.D.		13.4	N.D.		15	N.D.		15.2	N.D.		15	N.D.		17	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	21
PCB-156	11.1	$XBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.1	N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	37	N.D.	$C_{156/157}$	31	N.D.	$C_{156/157}$	28	N.D.	U	38	N.D.	U	41
PCB-157	11.1	$XBC_{156/15}$	N.V.P.	N.D.	$C_{156/157}$	22.1	N.D.	$C_{156/157}$	33.2	N.D.	$C_{156/157}$	33.9	N.D.	$C_{156/157}$	34	N.D.	$C_{156/157}$	37	N.D.	$C_{156/157}$	31	N.D.	$C_{156/157}$	28	N.D.	U	38	N.D.	U	41
PCB-158	8.59	JXBE	N.V.P.	N.D.		15.4	N.D.		17.8	N.D.		18.2	N.D.		18	N.D.		20	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-159	2.95	JX	N.V.P.	N.D.		13.4	N.D.		19.1	N.D.		19.5	N.D.		19	N.D.		21	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-160	N.D.	UX	0.718	N.D.		60.5	N.D.		18.9	N.D.		19.2	N.D.		19	N.D.		21	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-161	N.D.	UX	0.637	N.D.		12.5	N.D.		16.5	N.D.		16.8	N.D.		17	N.D.		18	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-162	N.D.	UX	1.13	N.D.		12.5	N.D.		18.7	N.D.		19	N.D.		19	N.D.		21	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-163	97.2	$BC_{129/138/1}$	N.V.P.	N.D.	$C_{129/138/16}$	60.5	N.D.	$C_{129/138/16}$	49.8	N.D.	$C_{129/138/16}$	50.8	N.D.	$C_{129/138/16}$	51	N.D.	$C_{129/138/16}$	56	N.D.	$C_{129/138/1}$ 63	31	N.D.	$C_{129/138/1}$ 63	28	N.D.	U	66	N.D.	U	72
PCB-164	7.34	JXB	N.V.P.	N.D.		14.4	N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		19	N.D.		7.4	N.D.		6.8	N.D.	U	19	N.D.	U	21
PCB-165	N.D.	UX	0.682	N.D.		12.5	N.D.		16.5	N.D.		16.8	N.D.		17	N.D.		18	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-166	10.8	$BXC_{128/16}$	N.V.P.	N.D.	$C_{128/166}$	27.9	N.D.	$C_{128/166}$	37.9	N.D.	$C_{128/166}$	38.6	N.D.	$C_{128/166}$	39	N.D.	$C_{128/166}$	43	N.D.	$C_{128/166}$	19	N.D.	$C_{128/166}$	17	N.D.	U	38	N.D.	U	41
PCB-167	3.35	JX	N.V.P.	N.D.		12.5	N.D.		16.2	N.D.		16.5	N.D.		16	N.D.		18	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-168	78.1	$KBC_{153/168}$	N.V.P.	35.9	$JBC_{153/168}$	28.8	N.D.	$C_{153/168}$	29.1	N.D.	$C_{153/168}$	29.7	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	33	N.D.	$C_{153/168}$	19	N.D.	$C_{153/168}$	17	N.D.	U	48	N.D.	U	52
PCB-169	N.D.	UX	1.48	N.D.		14.4	N.D.		17.7	N.D.		18.1	N.D.		18	N.D.		20	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	21
PCB-170	81.6	XB	N.V.P.	12.9	J	11.5	N.D.		16.9	N.D.		17.2	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	40	N.D.	U	43
PCB-171	19	$KBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	28.8	N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	40	N.D.	$C_{171/173}$	17	N.D.	$C_{171/173}$	16	N.D.	U	38	N.D.	U	41
PCB-172	12.2	X	N.V.P.	N.D.		12.5	N.D.		15	N.D.		15.3	N.D.		15	N.D.		17	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-173	19	$KBC_{171/17}$	N.V.P.	N.D.	$C_{171/173}$	28.8	N.D.	$C_{171/173}$	35.8	N.D.	$C_{171/173}$	36.5	N.D.	$C_{171/173}$	36	N.D.	$C_{171/173}$	40	N.D.	$C_{171/173}$	17	N.D.	$C_{171/173}$	16	N.D.	U	38	N.D.	U	41
PCB-174	73.1	XB	N.V.P.	N.D.		14.4	N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		19	N.D.		12	N.D.		11	N.D.	U	44	N.D.	U	48
PCB-175	2.38	JXE	N.V.P.	N.D.		13.4	N.D.		19.9	N.D.		20.3	N.D.		20	N.D.		22	N.D.		13	N.D.		12	N.D.	U	19	N.D.	U	21
PCB-176	5.34	JX	N.V.P.	N.D.		11.5	N.D.		15.3	N.D.		15.6	N.D.		16	N.D.		17	N.D.		6.3	N.D.		5.8	N.D.	U	19	N.D.	U	21
PCB-177	36.6	XB	N.V.P.	N.D.		10.6	N.D.		17	N.D.		17.4	N.D.		17	N.D.		19	N.D.		9.5	N.D.		8.7	N.D.	U	23	N.D.	U	25
PCB-178	11.6	JXB	N.V.P.	N.D.		13.4	N.D.		25.2	N.D.		25.7	N.D.		26	N.D.		28	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-179	19.1	XB	N.V.P.	N.D.		13.4	N.D.		13.4	N.D.		13.7	N.D.		14	N.D.		15	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-180	186	$KBC_{180/19}$	N.V.P.	32.6	$JC_{180/193}$	28.8	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	31	N.D.	$C_{180/193}$	20	N.D.	$C_{180/193}$	18	N.D.	U	47	N.D.	U	51
PCB-181	N.D.	UX	1.42	N.D.		12.5	N.D.		19.8	N.D.		20.2	N.D.		20	N.D.		22	N.D.		8.5	N.D.		7.8	N.D.	U	19	N.D.	U	21
PCB-182	N.D.	UX	1.33	N.D.		12.5	N.D.		22.6	N.D.		23	N.D.		23	N.D.		25	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-183	33.2	XB	N.V.P.	N.D.	$C_{183/185}$	26.9	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	55	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	40	N.D.	U	43
PCB-184	N.D.	UX	0.682	N.D.		13.4	N.D.		15.4	N.D.		15.7	N.D.		16	N.D.		17	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-185	5.71	JX	N.V.P.	N.D.	$C_{183/185}$	26.9	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	50.4	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	55	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	40	N.D.	U	43
PCB-186	N.D.	UX	0.641	N.D.		14.4	N.D.		16.3	N.D.		16.6	N.D.		17	N.D.		18	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-187	64.8	XB	N.V.P.	17.5	J	16.3	N.D.		19.4	N.D.		19.8	N.D.		20	N.D.		22	N.D.		12	N.D.		11	N.D.	U	36	N.D.	U	39
PCB-188	N.D.	UX	0.703	N.D.		14.4	N.D.		77.3	N.D.		78.8	N.D.		79	N.D.		87	N.D.		50	N.D.		46	N.D.	U	19	N.D.	U	21
PCB-189	3.3	JXE	N.V.P.	N.D.		12.5	N.D.		16.8	N.D.		17.1	N.D.		17	N.D.		19	N.D.		16	N.D.		15	N.D.	U	19	N.D.	U	21
PCB-190	15	XBE	N.V.P.	N.D.		13.4	N.D.		18.9	N.D.		19.2	N.D.		19	N.D.		21	N.D.		17	N.D.		16	N.D.	U	19	N.D.	U	21
PCB-191	3.55	JX	N.V.P.	N.D.		12.5	N.D.		15.2	N.D.		15.5	N.D.		15	N.D.		17	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-192	N.D.	UX	1.23	N.D.		12.5	N.D.		17.1	N.D.		17.5	N.D.		17	N.D.		19	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-193	186	$KBC_{180/19}$	N.V.P.	32.6	$JC_{180/193}$	28.8	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28.3	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	31	N.D.	$C_{180/193}$	20	N.D.	$C_{180/193}$	18	N.D.	U	47	N.D.	U	51
PCB-194	61.2	XB	N.V.P.	N.D.		17.3	N.D.		27.3	N.D.		27.9	N.D.		28	N.D.		31	N.D.		13	14	J	12	N.D.	U	25	N.D.	U	56
PCB-195	22.3	XB	N.V.P.	N.D.		21.1	N.D.		26.6	N.D.		27.1	N.D.		27	N.D.		30	N.D.		15	N.D.		14	N.D.	U	19	N.D.	U	21
PCB-196	28.9	XB	N.V.P.	N.D.		19.2	N.D.		22.7	N.D.		23.1	N.D.		23	N.D.		25	N.D.		12	N.D.		11	N.D.	U	19	N.D.	U	21
PCB-197	1.56	JXE	N.V.P.	N.D.	$C_{197/200}$	41.3	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	85	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	15	N.D.	U	38	N.D.	U	41
PCB-198	62	$KBC_{198/19}$	N.V.P.	N.D.	$C_{198/199}$	35.5	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	53	N.D.	$C_{198/199}$	19	N.D.	$C_{198/199}$	17	N.D.	U	38	N.D.	U	41
PCB-199	62	$KBC_{198/19}$	N.V.P.	N.D.	$C_{198/199}$	35.5	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	48.3	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	53	N.D.	$C_{198/199}$	19	N.D.	$C_{198/199}$	17	N.D.	U	38	N.D.	U	41
PCB-200	5	JXE	N.V.P.	N.D.	$C_{197/200}$	41.3	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	77.1	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	85	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	15	N.D.	U	38	N.D.	U	41
PCB-201	4.79	JXBE	N.V.P.	N.D.		19.2	N.D.		94.9	N.D.		96.7	N.D.		96	N.D.		110	N.D.		52	N.D.		48	N.D.	U	19	N.D.	U	21
PCB-202	6.5	JXBE	N.V.P.	N.D.		23.1	N.D.		26.8	N.D.		27.3	N.D.		27	N.D.		30	N.D.		9.5	N.D.		8.7	N.D.	U	19	N.D.	U	21
PCB-203	38.1	XB	N.V.P.	N.D.		17.3	N.D.		20.3	N.D.		20.7	N.D.		21	N.D.		23	N.D.		14	N.D.		13	N.D.	U	19	N.D.	U	53
PCB-204	N.D.	UX	0.748	N.D.		20.2	N.D.		21.7	N.D.		22.1	N.D.		22	N.D.		24	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-205	4.56	JX	N.V.P.	N.D.		14.4	N.D.		26.5	N.D.		27	N.D.		27	N.D.		30	N.D.		7.4	N.D.		6.8	N.D.	U	19	N.D.	U	21
PCB-206	18.6	X	N.V.P.	N.D.		15.4	N.D.		24	N.D.		24.5	N.D.		24	N.D.		27	N.D.		7.4	12	J I B	6.8	N.D.	U	19	N.D.	U	60
PCB-207	5.37	JX	N.V.P.	N.D.		18.3	N.D.		23.3	N.D.		23.8	N.D.		24	N.D.		26	N.D.		11	N.D.		9.7	N.D.	U	19	N.D.	U	21
PCB-208	5.63	JX	N.V.P.	N.D.		15.4	N.D.		25.1	N.D.		25.6	N.D.		26	N.D.		28	N.D.		58	N.D.		53	N.D.	U	29	N.D.	U	32
PCB-209	50.9	X	N.V.P.	36.8	J	15.4	N.D.		347	N.D.		353	N.D.		350	N.D.		390	N.D.		250	N.D.		230	N.D.	U	38	N.D.	U	41

Notes:

1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D.	Analyte was not detected
	Substance was detected in the method blank, not considered to represent actual groundwater conditions
N.S.	Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-09R																														
Sampling Date	3/25/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/15/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
Total PCBs	1079.67	-	-	179.5	-	-	526.62	-	-	173.8	-	-	310	-	-	N.D.	-	-	N.D.	-	-	393	-	-	62	-	-	160	-	-
PCB-1	N.D.	UX	1.55	N.D.		9.68	N.D.		48.1	N.D.		48.6	N.D.		49	N.D.		60	N.D.		19	N.D.		18	N.D.	U	48	N.D.	U	40
PCB-2	N.D.	UX	1.72	N.D.		6.78	N.D.		70.5	N.D.		71.2	N.D.		72	N.D.		88	N.D.		17	N.D.		16	N.D.	U	24	N.D.	U	30
PCB-3	N.D.	UX	1.89	N.D.		10.6	N.D.		39.6	N.D.		40	N.D.		40	N.D.		50	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	30
PCB-4	N.D.	UX	3.23	N.D.		12.6	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		23	N.D.		21	N.D.	U	35	N.D.	U	29
PCB-5	N.D.	UX	2.71	N.D.		7.74	N.D.		7.46	N.D.		7.53	N.D.		7.6	N.D.		9.3	N.D.		21	N.D.		20	N.D.	U	24	N.D.	U	20
PCB-6	N.D.	UX	2.74	N.D.		6.78	N.D.		13.3	N.D.		13.5	N.D.		14	N.D.		17	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-7	N.D.	UX	2.67	N.D.		7.74	N.D.		7.89	N.D.		7.96	N.D.		8	N.D.		9.9	N.D.		17	N.D.		16	N.D.	U	24	N.D.	U	29
PCB-8	3.83	JX	N.V.P.	N.D.		14.5	N.D.		10	N.D.		10.1	N.D.		10	N.D.		13	N.D.		17	N.D.		16	N.D.	U	35	N.D.	U	20
PCB-9	N.D.	UX	2.99	N.D.		6.78	N.D.		8.35	N.D.		8.43	N.D.		8.5	N.D.		10	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-10	N.D.	UX	2.12	N.D.		12.6	N.D.		5.15	N.D.		5.2	N.D.		5.2	N.D.		6.4	N.D.		23	N.D.		21	N.D.	U	24	N.D.	U	120
PCB-11	15.6	X	N.V.P.	N.D.		32.9	N.D.		130	N.D.		131	N.D.		130	N.D.		160	N.D.		120	N.D.		110	N.D.	U	71	N.D.	U	20
PCB-12	N.D.	$UXC_{12/13}$	2.78	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	21.3	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	26	N.D.	$C_{12/13}$	36	N.D.	$C_{12/13}$	33	N.D.	U	24	N.D.	U	20
PCB-13	N.D.	$UXC_{12/13}$	2.87	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	21.3	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	26	N.D.	$C_{12/13}$	36	N.D.	$C_{12/13}$	33	N.D.	U	24	N.D.	U	20
PCB-14	N.D.	UX	2.4	N.D.		7.74	N.D.		1.9	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		21	N.D.		20	N.D.	U	24	N.D.	U	20
PCB-15	N.D.	UX	2.99	N.D.		15.5	8.86	J	8.09	N.D.		8.16	N.D.		8.2	N.D.		10	N.D.		21	N.D.		20	N.D.	U	24	N.D.	U	20
PCB-16	N.D.	UX	5.67	N.D.		8.71	6.46	J	1.9	N.D.		5.12	N.D.		5.2	N.D.		6.3	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-17	4.59	JX	N.V.P.	N.D.		8.71	N.D.		5.84	N.D.		5.89	N.D.		5.9	N.D.		7.3	N.D.		12	N.D.		11	N.D.	U	48	N.D.	U	40
PCB-18	3.99	$JXEC_{18/30}$	N.V.P.	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	9.62	N.D.	$C_{18/30}$	9.7	N.D.	$C_{18/30}$	12	N.D.	$C_{18/30}$	26	N.D.	$C_{18/30}$	23	N.D.	U	29	N.D.	U	40
PCB-19	N.D.	UX	3.64	N.D.		7.74	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		12	N.D.		11	N.D.	U	48	N.D.	U	24
PCB-20	5.74	$JXC_{20/28}$	N.V.P.	N.D.	$C_{20/28}$	21.3	33.3	$JC_{20/28}$	15.5	17.0	$JC_{20/28}$	15.7	23	$JBC_{20/28}$	16	N.D.	$C_{20/28}$	19	N.D.	$C_{20/28}$	30	N.D.	$C_{20/28}$	27	N.D.	U	48	N.D.	U	40
PCB-21	9.24	$JXC_{21/33}$	N.V.P.	N.D.	$C_{21/33}$	20.3	18.3	$JC_{21/33}$	9.52	N.D.	$C_{21/33}$	9.62	14	$JC_{21/33}$	9.7	N.D.	$C_{21/33}$	12	N.D.	$C_{21/33}$	31	N.D.	$C_{21/33}$	28	N.D.	U	24	N.D.	U	20
PCB-22	2.37	JXE	N.V.P.	N.D.		8.71	15.0	J	5.65	8.40	J	5.7	10	J	5.7	N.D.		7.1	N.D.		15	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-23	N.D.	UX	1.85	N.D.		6.78	N.D.		4.8	N.D.		4.85	N.D.		4.9	N.D.		6	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-24	N.D.	UX	2.25	N.D.		9.68	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-25	8.54	JX	N.V.P.	N.D.		7.74	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		14	N.D.		13	N.D.	U	48	N.D.	U	40
PCB-26	N.D.	$UXC_{26/29}$	1.81	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	28.3	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	35	N.D.	$C_{26/29}$	38	N.D.	$C_{26/29}$	35	N.D.	U	24	N.D.	U	20
PCB-27	N.D.	UX	2.35	N.D.		7.74	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-28	5.74	$JXC_{20/28}$	N.V.P.	N.D.	$C_{20/28}$	21.3	33.3	$JC_{20/28}$	15.5	17.0	$JC_{20/28}$	15.7	23	$JBC_{20/28}$	16	N.D.	$C_{20/28}$	19	N.D.	$C_{20/28}$	30	N.D.	$C_{20/28}$	27	N.D.	U	48	N.D.	U	40
PCB-29	N.D.	$UXC_{26/29}$	1.81	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	28.3	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	35	N.D.	$C_{26/29}$	38	N.D.	$C_{26/29}$	35	N.D.	U	24	N.D.	U	40
PCB-30	3.99	$JXEC_{18/30}$	N.V.P.	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	9.62	N.D.	$C_{18/30}$	9.7	N.D.	$C_{18/30}$	12	N.D.	$C_{18/30}$	26	N.D.	$C_{18/30}$	23	N.D.	U	48	N.D.	U	40
PCB-31	3.94	JX	N.V.P.	N.D.		17.4	22.3	J	11.1	13.4	J	11.3	16	J	11	N.D.		14	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	42
PCB-32	N.D.	UX	2.28	N.D.		7.74	N.D.		4.83	N.D.		4.88	N.D.		4.9	N.D.		6	N.D.		8.5	N.D.		7.8	N.D.	U	24	N.D.	U	20
PCB-33	9.24	$JXC_{21/33}$	N.V.P.	N.D.	$C_{21/33}$	20.3	18.3	$JC_{21/33}$	9.52	N.D.	$C_{21/33}$	9.62	14	$JC_{21/33}$	9.7	N.D.	$C_{21/33}$	12	N.D.	$C_{21/33}$	31	N.D.	$C_{21/33}$	28	N.D.	U	48	N.D.	U	40
PCB-34	N.D.	UX	1.9	N.D.		6.78	N.D.		5.55	N.D.		5.61	N.D.		5.7	N.D.		6.9	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-35	N.D.	UX	1.96	N.D.		8.71	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		20	N.D.		19	N.D.	U	24	N.D.	U	20
PCB-36	N.D.	UX	1.76	N.D.		7.74	N.D.		6.82	N.D.		6.88	N.D.		6.9	N.D.		8.5	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-37	N.D.	UX	2.2	N.D.		9.68	19.4	J	5.49	12.0	J	5.54	15	J	5.6	N.D.		6.9	N.D.		8.5	17	J	7.8	N.D.	U	24	N.D.	U	25
PCB-38	N.D.	UX	1.84	N.D.		6.78	N.D.		4.76	N.D.		4.81	N.D.		4.8	N.D.		6	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-39	N.D.	UX	1.7	N.D.		7.74	N.D.		5.9	N.D.		5.96	N.D.		6	N.D.		7.4	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-40	3.7	$JXC_{40/71}$	N.V.P.	N.D.	$C_{40/71}$	40.7	23.7	$JC_{40/71}$	19.1	N.D.	$C_{40/71}$	19.3	N.D.	$C_{40/71}$	19	N.D.	$C_{40/71}$	24	N.D.	$C_{40/71}$	17	N.D.	$C_{40/71}$	16	N.D.	U	48	N.D.	U	40
PCB-41	N.D.	UX	1.81	N.D.		40.7	N.D.		12.6	N.D.		12.7	N.D.		13	N.D.		16	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-42	N.D.	UX	1.92	N.D.		15.5	16.3	J	13.5	N.D.		13.7	N.D.		14	N.D.		17	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-43	N.D.	UX	2.47	N.D.		13.6	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		12	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-44	140	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37.4	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	46	N.D.	$C_{44/47/65}$	26	25	J I	23	N.D.	U	71	N.D.	U	67
PCB-45	N.D.	UX	1.47	N.D.		21.3	N.D.		11	N.D.		11.2	N.D.		11	N.D.		14	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-46	N.D.	UX	2.08	N.D.		9.68	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		12	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-47	140	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37.4	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	46	N.D.	$C_{44/47/65}$	26	25	J I	23	N.D.	U	71	N.D.	U	67
PCB-48	N.D.	UX	1.59	N.D.		13.6	N.D.		12	N.D.		12.1	N.D.		12	N.D.		15	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-49	6.58	$JXC_{49/69}$	N.V.P.	N.D.	$C_{49/69}$	25.2	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	24.2	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	30	N.D.	$C_{49/69}$	19	N.D.	$C_{49/69}$	18	N.D.	U	48	N.D.	U	40
PCB-50	N.D.	$UXC_{50/53}$	1.72	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	91.1	N.D.	$C_{50/53}$	92	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	97	N.D.	$C_{50/53}$	89	N.D.	U	48	N.D.	U	40
PCB-51	401	X	N.V.P.	N.D.		21.3	N.D.		30.1	N.D.		30.4	N.D.		31	N.D.		38	N.D.		14	N.D.		13	N.D.	U	24	N.D.	U	20
PCB-52	5.47	JX	N.V.P.	20.8	J	14.5	26.4	J	20.1	21.5	J	20.3	N.D.		20	N.D.		25	N.D.		13	15	J	12	N.D.	U	24	N.D.	U	66
PCB-53	N.D.	$UXC_{50/53}$	1.72	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	91.1	N.D.	$C_{50/53}$	92	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	97	N.D.	$C_{50/53}$	89	N.D.	U	48	N.D.	U	40
PCB-54	N.D.	UX	1.57	N.D.		13.6	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		12	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-55	N.D.	UX	2.19	N.D.		11.6	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		15	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-56	2.06	JXE	N.V.P.	17.9	J	14.5	40.7	J	10.3	19.8	J	10.4	23	J	10	N.D.		13	N.D.		15	16	J	14	N.D.	U	24	N.D.	U	20
PCB-57	N.D.	UX	2.06	N.D.		10.6	N.D.		13	N.D.		13.2	N.D.		13	N.D.		16	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-58	N.D.	UX	1.89	N.D.		13.6	N.D.		12.4	N.D.		12.5	N.D.		13	N.D.		15	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-59	N.D.	$JXC_{59/62/75}$	1.26	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	40.1	N.D.	$C_{59/62/75}$	40	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	27	N.D.	$C_{59/62/75}$	24	N.D.	U	71	N.D.	U	60
PCB-60	N.D.	UX	2.02	N.D.		13.6	23.2	J	12	N.D.		12.1	14	J	12	N.D.		15	N.D.		9.6	12	J	8.8	N.D.	U	24	N.D.	U	20
PCB-61	7.22	$XC_{61/70/74/}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57.1	89.7	$JC_{61/70/74/7}$	45.6	N.D.	$C_{61/70/74/76}$	46.1	57	J	46	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	32	38	J	29	N.D.	U	95	N.D.	U	80
PCB-62	N.D.	$JXC_{59/62/7}$	1.26	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	40.1	N.D.	$C_{59/62/75}$	40	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	27	N.D.	$C_{59/62/75}$	24	N.D.	U	71	N.D.	U	60
PCB-63	N.D.	UX	1.8	N.D.		11.6	N.D.		12.3	N.D.		12.4	N.D.		13	N.D.		15	N.D.		14	N.D.		13	N.D.	U	24	N.D.	U	20
PCB-64	1.82	JXE	N.V.P.	13.2	J	12.6	21.5		10.5	15.1	J	10.6	15	J I	11	N.D.		13	N.D.		11	12	J I	9.8	N.D.	U	24	N.D.	U	20
PCB-65	140	$XC_{44/47/65}$	N.V.P.	N.D.	$C_{44/47/65}$	38.7	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37.4	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	46	N.D.	$C_{44/47/65}$	26	25	J I	23	N.D.	U	71	N.D.	U	67
PCB-66	3.92	JX	N.V.P.	28.9	J	16.5	66.5	J	10.5	30.4	J	10.6	42	J I	11	N.D.		13	N.D.		12	28	J	11	N.D.	U	24	N.D.	U	20
PCB-67	N.D.	UX	1.99	N.D.		11.6	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		15	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-68	145	X	N.V.P.	N.D.		13.6	N.D.		14.6	N.D.		14.7	N.D.		15	N.D.		18	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-69	6.58	$JXC_{49/69}$	N.V.P.	N.D.	$C_{49/69}$	25.2	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	24.2	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	30	N.D.	$C_{49/69}$	19	N.D.	$C_{49/69}$	19	N.D.	U	48	N.D.	U	40
PCB-70	7.22	$XC_{61/70/74/}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57.1	89.7	$JC_{61/70/74/7}$	45.6	N.D.	$C_{61/70/74/76}$	46.1	57	$JC_{61/70/74/7}$	46	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	32	38	J	29	N.D.	U	95	N.D.	U	80
PCB-71	3.7	$JXC_{40/71}$	N.V.P.	N.D.	$C_{40/71}$	40.7	23.7	JC40/71	19.1	N.D.	$C_{40/71}$	19.3	N.D.	$C_{40/71}$	19	N.D.	$C_{40/71}$	24	N.D.	$C_{40/71}$	17	N.D.	$C_{40/71}$	16	N.D.	U	48	N.D.	U	40
PCB-72	N.D.	UX	2	N.D.		12.6	N.D.		15	N.D.		15.1	N.D.		15	N.D.		19	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-73	N.D.	UX	1.25	N.D.		13.6	N.D.		19.8	N.D.		20	N.D.		20	N.D.		25	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-74	7.22	$XC_{61/70/74/}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57.1	89.7	$C61/70/74/$	45.6	N.D.	$C_{61/70/74/76}$	46.1	57	$JC_{61/70/74/7}$	46	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	32	38	J	29	N.D.	U	95	N.D.	U	80
PCB-75	N.D.	$JXC_{59/62/7}$	1.26	N.D.	$C_{59/62/75}$	35.8	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	40.1	N.D.	$C_{59/62/75}$	40	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	27	N.D.	$C_{59/62/75}$	24	N.D.	U	71	N.D.	U	60
PCB-76	7.22	$XC_{61/70/74/}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57.1	89.7	$C61/70/74/$	45.6	N.D.	$C_{61/70/74/76}$	46.1	57	$JC_{61/70/74/7}$	46	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	32	38	J	29	N.D.	U	95	N.D.	U	80
PCB-77	N.D.	UX	2.11	N.D.		13.6	10.3	J	10	N.D.		10.1	N.D.		10	N.D.		13	N.D.		20	N.D.		19	N.D.	U	24	N.D.	U	20
PCB-78	N.D.	UX	2.13	N.D.		15.5	N.D.		13.4	N.D.		13.6	N.D.		14	N.D.		17	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-79	N.D.	UX	1.79	N.D.		12.6	N.D.		13.5	N.D.		13.7	N.D.		14	N.D.		17	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-80	N.D.	UX	1.75	N.D.		10.6	N.D.		15.8	N.D.		16	N.D.		16	N.D.		20	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-81	N.D.	UX	2.25	N.D.		17.4	N.D.		9.52	N.D.		9.62	N.D.		9.7	N.D.		12	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-82	N.D.	UX	1.39	N.D.		14.5	N.D.		11.7	N.D.		11.8	N.D.		12	N.D.		15	N.D.		14	N.D.		13	N.D.	U	24	N.D.	U	20
PCB-83	N.D.	UX	1.09	N.D.		28.1	N.D.		12	N.D.		12.1	N.D.		12	N.D.		15	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-84	1.56	JX	N.V.P.	N.D.		10.6	N.D.		11.3	N.D.		11.4	N.D.		12	N.D.		14	N.D.		27	N.D.		24	N.D.	U	24	N.D.	U	20
PCB-85	N.D.	$UXC_{85/116}$	1.09	N.D.	$C_{85/116/117}$	36.8	N.D.	$C_{85/116/117}$	64.8	N.D.	$C_{85/116/117}$	65.4	N.D.	$C_{85/116/117}$	66	N.D.	$C_{85/116/117}$	81	N.D.	$C_{85/116/117}$	36	N.D.	$C_{85/116/117}$	33	N.D.	U	71	N.D.	U	60
PCB-86	4.11	$JXC_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	71.6	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	123	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	150	N.D.	$C_{86/87/97/108/119/125}$	160	N.D.	$C_{86/87/97/108/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-87	4.11	$JXC_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	71.6	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	123	N.D.	/87/97/109/11	120	N.D.	/87/97/109/11	150	N.D.	$C_{86/87/97/108/119/125}$	160	N.D.	$C_{86/87/97/108/119/125}$	150	N.D.	U	140	N.D.	U	120
PCB-88	N.D.	UX	1.15	N.D.		21.3	N.D.		14.2	N.D.		14.3	N.D.		14	N.D.		18	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-89	N.D.	UX	1.29	N.D.		12.6	N.D.		14.2	N.D.		14.3	N.D.		14	N.D.		18	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-90	6.09	$XBC_{90/101/1}$	N.V.P.	N.D.	$C_{90/101/113}$	45.5	N.D.	$C_{90/101/113}$	39.3	N.D.	$C_{90/101/113}$	39.7	N.D.	$C_{90/101/113}$	40	N.D.	$C_{90/101/113}$	49	N.D.	$C_{90/101/113}$	43	N.D.	$C_{90/101/113}$	39	N.D.	U	71	N.D.	U	60
PCB-91	2.11	JXE	N.V.P.	N.D.		21.3	N.D.		11.3	N.D.		11.4	N.D.		12	N.D.		14	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-09R																											
Sampling Date	3/25/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/15/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-92	N.D.	UX	1.23	N.D.		12.6	N.D.		14.9	N.D.		15	N.D.		15	N.D.		19	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-93	N.D.	UXC93/100	1.02	N.D.	C93/100	74.5	N.D.	C93/100	29.3	N.D.	C93/100	29.6	N.D.	C93/100	30	N.D.	C93/100	37	N.D.	C93/100	27	N.D.	C93/100	24	N.D.	U	48	N.D.	U	40
PCB-94	N.D.	UX	1.27	N.D.		12.6	N.D.		13.2	N.D.		13.4	N.D.		13	N.D.		17	N.D.		17	N.D.		13	N.D.	U	24	N.D.	U	20
PCB-95	5.22	JBXE	N.V.P.	N.D.		74.5	28.7	J	14.7	N.D.		14.8	48	J I B	15	N.D.		18	N.D.		13	15	J	12	N.D.	U	24	N.D.	U	20
PCB-96	N.D.	UX	0.872	N.D.		14.5	N.D.		12.3	N.D.		12.4	N.D.		13	N.D.		15	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-97	4.11	JXC86/87/97/108/119/125	N.V.P.	N.D.	C87/97/109/11	71.6	N.D.	C87/97/109/11	122	N.D.	C87/97/109/11	123	N.D.	C87/97/109/11	120	N.D.	C87/97/109/11	150	N.D.	C86/87/97/109/119/125	160	N.D.	C86/87/97/109/119/125	150	N.D.	U	140	N.D.	U	120
PCB-98	N.D.	UX	1.65	N.D.	C98/102	74.5	N.D.	C98/102	39.3	N.D.	C98/102	39.7	N.D.	C98/102	40	N.D.	C98/102	49	N.D.	C98/102	31	N.D.	C98/102	28	N.D.	U	48	N.D.	U	40
PCB-99	3.05	JX	N.V.P.	N.D.		28.1	N.D.		13.9	N.D.		14	N.D.		14	N.D.		17	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-100	N.D.	UXC93/100	1.02	N.D.	C93/100	74.5	N.D.	C93/100	29.3	N.D.	C93/100	29.6	N.D.	C93/100	30	N.D.	C93/100	37	N.D.	C93/100	24	N.D.	C93/100	24	N.D.	U	48	N.D.	U	40
PCB-101	6.09	KBC90/101/113	N.V.P.	N.D.	C90/101/113	45.5	N.D.	C90/101/113	39.3	N.D.	C90/101/113	39.7	N.D.	C90/101/113	40	N.D.	C90/101/113	49	N.D.	C90/101/113	43	N.D.	C90/101/113	39	N.D.	U	71	N.D.	U	60
PCB-102	N.D.	UX	1.15	N.D.	C98/102	74.5	N.D.	C98/102	39.3	N.D.	C98/102	39.7	N.D.	C98/102	40	N.D.	C98/102	49	N.D.	C98/102	31	N.D.	C98/102	28	N.D.	U	48	N.D.	U	40
PCB-103	N.D.	UX	1.13	N.D.		10.6	N.D.		17.4	N.D.		17.6	N.D.		18	N.D.		22	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-104	N.D.	UX	0.932	N.D.		13.6	N.D.		12.1	N.D.		12.2	N.D.		12	N.D.		15	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-105	3.25	JXB	N.V.P.	N.D.		16.5	20.4	J	12.3	12.9	J	12.4	13	J I	13	N.D.		15	N.D.		12	11	J	11	N.D.	U	24	N.D.	U	20
PCB-106	N.D.	UX	0.934	N.D.		16.5	N.D.		14.9	N.D.		15	N.D.		15	N.D.		19	N.D.		20	N.D.		19	N.D.	U	24	N.D.	U	20
PCB-107	N.D.	UXC107/124	0.891	N.D.		16.5	N.D.		15.4	N.D.		15.6	N.D.		16	N.D.		19	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-108	4.11	JXC86/87/97/108/119/125	N.V.P.	N.D.	C108/124	28.1	N.D.	C108/124	30.3	N.D.	C108/124	30.6	N.D.	C108/124	31	N.D.	C108/124	38	N.D.	C108/124	28	N.D.	C108/124	25	N.D.	U	48	N.D.	U	40
PCB-109	N.D.	UX	0.764	N.D.	C87/97/109/11	71.6	N.D.	C87/97/109/11	122	N.D.	C87/97/109/11	123	N.D.	C87/97/109/11	120	N.D.	C87/97/109/11	150	N.D.	C86/87/97/109/119/125	160	N.D.	C86/87/97/109/119/125	150	N.D.	U	140	N.D.	U	120
PCB-110	6.73	JXB	N.V.P.	N.D.	C110/115	37.8	N.D.	C110/115	58.2	N.D.	C110/115	58.8	N.D.	C110/115	59	N.D.	C110/115	73	N.D.	C110/115	28	27	J	25	N.D.	U	48	N.D.	U	40
PCB-111	N.D.	UX	0.833	N.D.		13.6	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		20	N.D.		14	N.D.		13	N.D.	U	24	N.D.	U	20
PCB-112	N.D.	UX	1.03	N.D.		13.6	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		21	N.D.		17	N.D.		16	N.D.	U	24	N.D.	U	20
PCB-113	6.09	KBC90/101/113	N.V.P.	N.D.	C90/101/113	45.5	N.D.	C90/101/113	39.3	N.D.	C90/101/113	39.7	N.D.	C90/101/113	40	N.D.	C90/101/113	49	N.D.	C90/101/113	43	N.D.	C90/101/113	39	N.D.	U	71	N.D.	U	60
PCB-114	N.D.	UX	0.91	N.D.		14.5	N.D.		14.7	N.D.		14.8	N.D.		15	N.D.		18	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-115	N.D.	UX	1.18	N.D.	C110/115	37.8	N.D.	C110/115	58.2	N.D.	C110/115	58.8	N.D.	C110/115	59	N.D.	C110/115	73	N.D.	C110/115	28	N.D.	C110/115	28	N.D.	U	48	N.D.	U	40
PCB-116	N.D.	UXC85/116	1.09	N.D.	C85/116/117	36.8	N.D.	C85/116/117	64.8	N.D.	C85/116/117	65.4	N.D.	C85/116/117	66	N.D.	C85/116/117	81	N.D.	C85/116/117	36	N.D.	C85/116/117	33	N.D.	U	71	N.D.	U	60
PCB-117	N.D.	UX	0.707	N.D.	C85/116/117	36.8	N.D.	C85/116/117	64.8	N.D.	C85/116/117	65.4	N.D.	C85/116/117	66	N.D.	C85/116/117	81	N.D.	C85/116/117	36	N.D.	C85/116/117	33	N.D.	U	71	N.D.	U	60
PCB-118	5.49	JXB	N.V.P.	N.D.		29	35.6	J	12.9	23.3	J	13	20	J	13	N.D.		16	N.D.		18	19	J	17	N.D.	U	24	N.D.	U	20
PCB-119	4.11	JXC86/87/97/108/119/125	N.V.P.	N.D.	C87/97/109/11	71.6	N.D.	C87/97/109/11	122	N.D.	C87/97/109/11	123	N.D.	C87/97/109/11	120	N.D.	C87/97/109/11	150	N.D.	C86/87/97/109/119/125	160	N.D.	C86/87/97/109/119/125	150	N.D.	U	24	N.D.	U	120
PCB-120	N.D.	UX	0.815	N.D.		12.6	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		20	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-121	N.D.	UX	0.847	N.D.		11.6	N.D.		13.7	N.D.		13.8	N.D.		14	N.D.		17	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-122	N.D.	UX	0.96	N.D.		11.6	N.D.		12.9	N.D.		13	N.D.		13	N.D.		16	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-123	N.D.	UX	0.922	N.D.		16.5	N.D.		12.5	N.D.		12.6	N.D.		13	N.D.		16	N.D.		23	N.D.		21	N.D.	U	24	N.D.	U	20
PCB-124	N.D.	UXC107/124	0.891	N.D.	C108/124	28.1	N.D.	C108/124	30.3	N.D.	C108/124	30.6	N.D.	C108/124	31	N.D.	C108/124	38	N.D.	C108/124	28	N.D.	C108/124	25	N.D.	U	48	N.D.	U	40
PCB-125	4.11	JXC86/87/97/108/119/125	N.V.P.	N.D.	C87/97/109/11	71.6	N.D.	C87/97/109/11	122	N.D.	C87/97/109/11	123	N.D.	C87/97/109/11	120	N.D.	C87/97/109/11	150	N.D.	C86/87/97/109/119/125	160	N.D.	C86/87/97/109/119/125	150	N.D.	U	140	N.D.	U	120
PCB-126	N.D.	UX	1.04	N.D.		15.5	N.D.		15.8	N.D.		16	N.D.		16	N.D.		20	N.D.		31	N.D.		28	N.D.	U	24	N.D.	U	20
PCB-127	N.D.	UX	0.942	N.D.		13.6	N.D.		17.8	N.D.		18	N.D.		18	N.D.		22	N.D.		7.4	N.D.		6.8	N.D.	U	24	N.D.	U	20
PCB-128	2.79	JBXC128/166	N.V.P.	N.D.	C128/166	28.1	N.D.	C128/166	37.9	N.D.	C128/166	38.3	N.D.	C128/166	39	N.D.	C128/166	47	N.D.	C128/166	19	N.D.	C128/166	18	N.D.	U	48	N.D.	U	40
PCB-129	21.7	BC129/138/163	N.V.P.	N.D.	C129/138/163	61	N.D.	C129/138/163	49.8	N.D.	C129/138/163	50.3	N.D.	C129/138/163	51	N.D.	C129/138/163	62	N.D.	C129/138/163	31	N.D.	C129/138/163	28	N.D.	U	48	N.D.	U	70
PCB-130	N.D.	UX	0.957	N.D.		12.6	N.D.		17.6	N.D.		17.8	N.D.		18	N.D.		22	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-131	N.D.	UX	0.919	N.D.		16.5	N.D.		15.1	N.D.		15.3	N.D.		15	N.D.		19	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-132	5.25	JXB	N.V.P.	N.D.		15.5	N.D.		14.5	N.D.		14.6	N.D.		15	N.D.		18	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-133	N.D.	UX	0.843	N.D.		11.6	N.D.		17.4	N.D.		17.6	N.D.		18	N.D.		22	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-134	N.D.	UX	0.892	N.D.		31.9	N.D.		14.8	N.D.		14.9	N.D.		15	N.D.		18	N.D.		18	N.D.		17	N.D.	U	24	N.D.	U	20
PCB-135	5.29	XBC135/151	N.V.P.	N.D.	C135/151	44.5	N.D.	C135/151	41	N.D.	C135/151	41.4	N.D.	C135/151	42	N.D.	C135/151	51	N.D.	C135/151	34	N.D.	C135/151	31	N.D.	U	48	N.D.	U	40
PCB-136	2.24	JXB	N.V.P.	N.D.		15.5	N.D.		14.3	N.D.		14.4	N.D.		15	N.D.		18	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-137	N.D.	UX	0.784	N.D.		14.5	N.D.		18.4	N.D.		18.6	N.D.		19	N.D.		23	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-138	21.7	BC129/138/163	N.V.P.	N.D.	C129/138/163	61	N.D.	C129/138/163	49.8	N.D.	C129/138/163	50.3	N.D.	C129/138/163	51	N.D.	C129/138/163	62	N.D.	C129/138/163	31	N.D.	C129/138/163	19	N.D.	U	48	N.D.	U	70
PCB-139	N.D.	UXC139/140	0.799	N.D.	C139/140	28.1	N.D.	C139/140	31.3	N.D.	C139/140	31.6	N.D.	C139/140	32	N.D.	C139/140	39	N.D.	C139/140	20	N.D.	C139/140	19	N.D.	U	48	N.D.	U	40
PCB-140	N.D.	UXC139/140	0.799	N.D.	C139/140	28.1	N.D.	C139/140	31.3	N.D.	C139/140	31.6	N.D.	C139/140	32	N.D.	C139/140	39	N.D.	C139/140	20	N.D.	C139/140	20	N.D.	U	48	N.D.	U	40
PCB-141	6.21	JXB	N.V.P.	N.D.		16.5	N.D.		21.4	N.D.		21.6	N.D.		22	N.D.		27	N.D.		6.4	N.D.		5.9	N.D.	U	27	N.D.	U	23
PCB-142	N.D.	UX	0.94	N.D.		16.5	N.D.		17	N.D.		17.1	N.D.		17	N.D.		21	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-143	N.D.	UX	0.954	N.D.		31.9	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		20	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-144	N.D.	UX	0.828	N.D.		14.5	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		20	N.D.		22	N.D.		20	N.D.	U	24	N.D.	U	20
PCB-145	N.D.	UX	0.764	N.D.		15.5	N.D.		14.7	N.D.		14.8	N.D.		15	N.D.		18	N.D.		24	N.D.		22	N.D.	U	24	N.D.	U	20
PCB-146	1.74	JXBE	N.V.P.	N.D.		13.6	N.D.		14.9	N.D.		15	N.D.		15	N.D.		19	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-147	12.4	XBC147/149	N.V.P.	N.D.	C147/149	33.9	N.D.	C147/149	27.3	N.D.	C147/149	27.6	N.D.	C147/149	28	N.D.	C147/149	34	N.D.	C147/149	21	N.D.	C147/149	20	N.D.	U	51	N.D.	U	43
PCB-148	N.D.	UX	0.819	N.D.		13.6	N.D.		15.1	N.D.		15.3	N.D.		15	N.D.		19	N.D.		17	N.D.		16	N.D.	U	24	N.D.	U	20
PCB-149	12.4	XBC147/149	N.V.P.	N.D.	C147/149	33.9	N.D.	C147/149	27.3	N.D.	C147/149	27.6	N.D.	C147/149	28	N.D.	C147/149	34	N.D.	C147/149	21	N.D.	C147/149	20	N.D.	U	51	N.D.	U	43
PCB-150	N.D.	UX	0.781	N.D.		14.5	N.D.		15.9	N.D.		16.1	N.D.		16	N.D.		20	N.D.		20	N.D.		19	N.D.	U	24	N.D.	U	20
PCB-151	5.29	XBC135/151	N.V.P.	N.D.	C135/151	44.5	N.D.	C135/151	41	N.D.	C135/151	41.4	N.D.	C135/151	42	N.D.	C135/151	51	N.D.	C135/151	34	N.D.	C135/151	34	N.D.	U	48	N.D.	U	40
PCB-152	N.D.	UX	0.692	N.D.		13.6	N.D.		13.9	N.D.		14	N.D.		14	N.D.		17	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-153	16.2	XBC153/168	N.V.P.	37.8	JBC153/168	29	N.D.	C153/168	29.1	N.D.	C153/168	29.4	N.D.	C153/168	30	N.D.	C153/168	36	N.D.	C153/168	19	19	J	18	N.D.	U	61	N.D.	U	51
PCB-154	N.D.	UX	0.742	N.D.		44.5	N.D.		44.6	N.D.		45	N.D.		45	N.D.		56	N.D.		48	N.D.		44	N.D.	U	24	N.D.	U	20
PCB-155	N.D.	UX	0.781	N.D.		13.6	N.D.		15	N.D.		15.1	N.D.		15	N.D.		19	N.D.		211	N.D.		20	N.D.	U	24	N.D.	U	40
PCB-156	3.4	XBC156/157	N.V.P.	N.D.	C156/157	22.3	N.D.	C156/157	33.2	N.D.	C156/157	33.6	N.D.	C156/157	34	N.D.	C156/157	42	N.D.	C156/157	31	N.D.	C156/157	28	N.D.	U	48	N.D.	U	40
PCB-157	3.4	XBC156/157	N.V.P.	N.D.	C156/157	22.3	N.D.	C156/157	33.2	N.D.	C156/157	33.6	N.D.	C156/157	34	N.D.	C156/157	42	N.D.	C156/157	31	N.D.	C156/157	28	N.D.	U	48	N.D.	U	40
PCB-158	1.78	JXB	N.V.P.	N.D.		15.5	N.D.		17.8	N.D.		18	N.D.		18	N.D.		22	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-159	0.998	JX	N.V.P.	N.D.		13.6	N.D.		19.1	N.D.		19.3	N.D.		19	N.D.		24	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-160	N.D.	UX	0.724	N.D.		61	N.D.		18.9	N.D.		19	N.D.		19	N.D.		24	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-161	N.D.	UX	0.642	N.D.		12.6	N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		21	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-162	N.D.	UX	0.734	N.D.		12.6	N.D.		18.7	N.D.		18.8	N.D.		19	N.D.		23	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-163	21.7	BC129/138/163	N.V.P.	N.D.	C129/138/163	61	N.D.	C129/138/163	49.8	N.D.	C129/138/163	50.3	N.D.	C129/138/163	51	N.D.	C129/138/163	62	N.D.	C129/138/163	31	N.D.	C129/138/163	28	N.D.	U	48	N.D.	U	70
PCB-164	1.62	JXB	N.V.P.	N.D.		14.5	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		21	N.D.		7.4	N.D.		6.8	N.D.	U	24	N.D.	U	20
PCB-165	N.D.	UX	0.688	N.D.		12.6	N.D.		16.5	N.D.		16.6	N.D.		17	N.D.		21	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-166	2.79	XBC128/166	N.V.P.	N.D.	C128/166	28.1	N.D.	C128/166	37.9	N.D.	C128/166	38.3	N.D.	C128/166	39	N.D.	C128/166	47	N.D.	C128/166	19	N.D.	C128/166	18	N.D.	U	48	N.D.	U	40
PCB-167	1.06	JX	N.V.P.	N.D.		12.6	N.D.		16.2	N.D.		16.3	N.D.		16	N.D.		20	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-168	16.2	XBC153/168	N.V.P.	37.8	JBC153/168	29	N.D.	C153/168	29.1	N.D.	C153/168	29.4	N.D.	C153/168	30	N.D.	C153/168	36	N.D.	C153/168	19	19	J	18	N.D.	U	61	N.D.	U	51
PCB-169	N.D.	UX	0.901	N.D.		14.5	N.D.		17.7	N.D.		17.9	N.D.		18	N.D.		22	N.D.		19	N.D.		18	N.D.	U	24	N.D.	U	20
PCB-170	18.6	XB	N.V.P.	N.D.		11.6	N.D.		16.9	N.D.		17	N.D.		17	N.D.		21	N.D.		12	N.D.		11	N.D.	U	50	N.D.	U	42
PCB-171	4.8	XBC171/173	N.V.P.	N.D.	C171/173	29	N.D.	C171/173	35.8	N.D.	C171/173	36.2	N.D.	C171/173	36	N.D.	C171/173	45	N.D.	C171/173	17	16	C171/173	17	N.D.	U	48	N.D.	U	40
PCB-172	2.47	JX	N.V.P.	N.D.		12.6	N.D.		15	N.D.		15.2	N.D.		15	N.D.		19	N.D.		9.6	N.D.		8.8	N.D.	U	50	N.D.	U	20
PCB-173	4.8	XBC171/173	N.V.P.	N.D.	C171/173	29	N.D.	C171/173	35.8	N.D.	C171/173	36.2	N.D.	C171/173	36	N.D.	C171/173	45	N.D.	C171/173	17	16	C171/173	17	N.D.	U	24	N.D.	U	40
PCB-174	19.3	XB	N.V.P.	N.D.		14.5	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		21	N.D.		12	11	J	11	N.D.	U	56	N.D.	U	47
PCB-175	N.D.	UX	1.19	N.D.		13.6	N.D.		19.9	N.D.		20.1	N.D.		20	N.D.		25	N.D.		13	N.D.		12	N.D.	U	24	N.D.	U	20
PCB-176	0.883	JXE	N.V.P.	N.D.		11.6	N.D.		15.3	N.D.		15.5	N.D.		26	N.D.		19	N.D.		6.4	N.D.		5.9	N.D.	U	24	N.D.	U	20
PCB-177	9.94	JXB	N.V.P.	N.D.		10.6	N.D.		17	N.D.		17.2	N.D.		17	N.D.		21	N.D.		9.6	N.D.		8.8	N.D.	U	29	N.D.	U	24

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-09R																													
Sampling Date	3/25/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/15/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-178	1.67	JXBE	N.V.P.	N.D.		13.6	N.D.		25.2	N.D.		25.5	N.D.		26	N.D.		32	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-179	3.71	JBX	N.V.P.	N.D.		13.6	N.D.		13.4	N.D.		13.6	N.D.		14	N.D.		17	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-180	43.5	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	35	N.D.	$C_{180/193}$	20	25	J	19	N.D.	U	60	N.D.	U	50
PCB-181	N.D.	UX	1.12	N.D.		12.6	N.D.		19.8	N.D.		20	N.D.		20	N.D.		25	N.D.		8.5	N.D.		7.8	N.D.	U	24	N.D.	U	20
PCB-182	N.D.	UX	1.06	N.D.		12.6	N.D.		22.6	N.D.		22.8	N.D.		23	N.D.		28	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-183	7.15	JXB	N.V.P.	N.D.	$C_{183/185}$	27.1	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.9	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	62	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	50	N.D.	U	42
PCB-184	N.D.	UX	0.736	N.D.		13.6	N.D.		15.4	N.D.		15.6	N.D.		16	N.D.		19	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-185	1.24	JXE	N.V.P.	N.D.	$C_{183/185}$	27.1	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.9	N.D.	$C_{183/185}$	50	N.D.	$C_{183/185}$	62	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	50	N.D.	U	42
PCB-186	N.D.	UX	0.692	N.D.		14.5	N.D.		16.3	N.D.		16.4	N.D.		17	N.D.		20	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-187	14.7	XB	N.V.P.	16.7	J	16.5	N.D.		19.4	N.D.		19.6	N.D.		20	N.D.		24	N.D.		12	15	J	11	N.D.	U	45	N.D.	U	38
PCB-188	N.D.	UX	0.759	N.D.		14.5	N.D.		77.3	N.D.		78.1	N.D.		79	N.D.		97	N.D.		50	N.D.		46	N.D.	U	24	N.D.	U	20
PCB-189	N.D.	UX	1.12	N.D.		12.6	N.D.		16.8	N.D.		16.9	N.D.		17	N.D.		21	N.D.		16	N.D.		15	N.D.	U	24	N.D.	U	20
PCB-190	4.24	JXB	N.V.P.	N.D.		13.6	N.D.		18.9	N.D.		19	N.D.		19	N.D.		24	N.D.		17	N.D.		16	N.D.	U	24	N.D.	U	20
PCB-191	N.D.	UX	0.923	N.D.		12.6	N.D.		15.2	N.D.		15.4	N.D.		16	N.D.		19	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-192	N.D.	UX	0.98	N.D.		12.6	N.D.		17.1	N.D.		17.3	N.D.		17	N.D.		21	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-193	43.5	$XBC_{180/193}$	N.V.P.	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	28	N.D.	$C_{180/193}$	35	N.D.	$C_{180/193}$	20	25	J	19	N.D.	U	60	N.D.	U	50
PCB-194	13	XB	N.V.P.	N.D.		17.4	N.D.		27.3	N.D.		27.6	N.D.		28	N.D.		34	N.D.		13	20	J	12	N.D.	U	31	N.D.	U	55
PCB-195	5.52	JXB	N.V.P.	N.D.		21.3	N.D.		26.6	N.D.		26.8	N.D.		27	N.D.		33	N.D.		15	N.D.		14	N.D.	U	24	N.D.	U	20
PCB-196	6.87	JXB	N.V.P.	N.D.		19.4	N.D.		22.7	N.D.		22.9	N.D.		23	N.D.		28	N.D.		12	N.D.		11	N.D.	U	24	N.D.	U	20
PCB-197	N.D.	UX	0.584	N.D.	$C_{197/200}$	41.6	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	76.3	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	95	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	14	N.D.	U	48	N.D.	U	40
PCB-198	13.3	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	35.8	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.8	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	59	N.D.	$C_{198/199}$	19	24	J	18	N.D.	U	48	N.D.	U	40
PCB-199	13.3	$XBC_{198/199}$	N.V.P.	N.D.	$C_{198/199}$	35.8	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.8	N.D.	$C_{198/199}$	48	N.D.	$C_{198/199}$	59	N.D.	$C_{198/199}$	19	24	J	18	N.D.	U	48	N.D.	U	40
PCB-200	1.75	JX	N.V.P.	N.D.	$C_{197/200}$	41.6	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	76.3	N.D.	$C_{197/200}$	77	N.D.	$C_{197/200}$	95	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	14	N.D.	U	48	N.D.	U	40
PCB-201	1.02	JXBE	N.V.P.	N.D.		19.4	N.D.		94.9	N.D.		95.8	N.D.		97	N.D.		120	N.D.		52	N.D.		48	N.D.	U	24	N.D.	U	20
PCB-202	1.05	JXBE	N.V.P.	N.D.		23.2	N.D.		26.8	N.D.		27	N.D.		27	N.D.		33	N.D.		9.6	N.D.		8.8	N.D.	U	24	N.D.	U	20
PCB-203	8.02	JXB	N.V.P.	N.D.		17.4	N.D.		20.3	N.D.		20.5	N.D.		21	N.D.		25	N.D.		14	N.D.		13	N.D.	U	24	N.D.	U	52
PCB-204	N.D.	UX	0.651	N.D.		20.3	N.D.		21.7	N.D.		21.9	N.D.		22	N.D.		27	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-205	N.D.	UX	0.957	N.D.		14.5	N.D.		26.5	N.D.		26.7	N.D.		27	N.D.		33	N.D.		7.4	N.D.		6.8	N.D.	U	24	N.D.	U	20
PCB-206	N.D.	UX	2.5	N.D.		15.5	N.D.		24	N.D.		24.2	N.D.		24	N.D.		30	N.D.		7.4	28	J B	6.8	N.D.	U	24	N.D.	U	58
PCB-207	N.D.	UX	1.57	N.D.		18.4	N.D.		23.3	N.D.		23.6	N.D.		24	N.D.		29	N.D.		11	N.D.		9.8	N.D.	U	24	N.D.	U	20
PCB-208	N.D.	UX	1.69	N.D.		15.5	N.D.		25.1	N.D.		25.4	N.D.		26	N.D.		31	N.D.		59	N.D.		54	N.D.	U	37	N.D.	U	31
PCB-209	0.918	JXE	N.V.P.	44.2	J	15.5	N.D.		347	N.D.		350	N.D.		350	N.D.		430	N.D.		260	N.D.		230	62	J	48	62	J	40

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
: method blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-10																														
Sampling Date	3/23/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/21/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																															
Total PCBs	2222.46	-	-	980.4	-	-	N.D.	-	-	N.D.	-	-	296.5	-	-	6	-	-	N.D.	-	-	76.3	-	-	N.D.	-	-	39	-	-
PCB-1	N.D.	UX	2.32	N.D.		9.66	N.D.		48.1	N.D.		48.1	N.D.		50	N.D.		50	N.D.		19	N.D.		17	N.D.	U	39	N.D.	U	38
PCB-2	N.D.	UX	2.52	N.D.		6.76	N.D.		70.5	N.D.		70.5	N.D.		74	N.D.		73	N.D.		17	N.D.		15	N.D.	U	19	N.D.	U	29
PCB-3	N.D.	UX	2.77	N.D.		10.6	N.D.		39.6	N.D.		39.6	N.D.		41	N.D.		41	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	29
PCB-4	N.D.	UX	4.84	N.D.		12.6	N.D.		4.76	N.D.		4.76	N.D.		5	6	J I	4.9	N.D.		23	N.D.		21	N.D.	U	28	N.D.	U	28
PCB-5	N.D.	UX	3.65	N.D.		7.73	N.D.		7.46	N.D.		7.46	N.D.		7.8	N.D.		7.7	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-6	N.D.	UX	3.69	N.D.		6.76	N.D.		13.3	N.D.		13.3	N.D.		14	N.D.		14	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-7	N.D.	UX	3.6	N.D.		7.73	N.D.		7.89	N.D.		7.89	N.D.		8.2	N.D.		8.1	N.D.		17	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-8	4.86	JX	N.V.P.	N.D.		14.5	N.D.		10	N.D.		10	N.D.		10	N.D.		10	N.D.		17	N.D.		15	N.D.	U	28	N.D.	U	28
PCB-9	N.D.	UX	4.03	N.D.		6.76	N.D.		8.35	N.D.		8.35	N.D.		8.7	N.D.		8.6	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-10	N.D.	UX	3.18	N.D.		12.6	N.D.		5.15	N.D.		5.15	N.D.		5.4	N.D.		5.3	N.D.		23	N.D.		21	N.D.	U	19	N.D.	U	19
PCB-11	23.7	X	N.V.P.	33.9	JB	32.9	N.D.		130	N.D.		130	N.D.		140	N.D.		130	N.D.		120	N.D.		100	N.D.	U	58	N.D.	U	120
PCB-12	N.D.	$UXC_{12/13}$	3.75	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	36	N.D.	$C_{12/13}$	32	N.D.	U	19	N.D.	U	19
PCB-13	N.D.	$UXC_{12/13}$	3.75	N.D.	$C_{12/13}$	18.4	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	21	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	36	N.D.	$C_{12/13}$	32	N.D.	U	19	N.D.	U	19
PCB-14	N.D.	UX	3.23	N.D.		7.73	N.D.		1.9	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-15	10.8	JX	N.V.P.	N.D.		15.5	N.D.		8.09	N.D.		8.09	9.5	J I	8.5	N.D.		8.3	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-16	N.D.	UX	7.79	N.D.		8.7	N.D.		1.9	N.D.		5.07	N.D.		5.3	N.D.		5.2	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-17	N.D.	UX	4.46	N.D.		8.7	N.D.		5.84	N.D.		5.84	N.D.		6.1	N.D.		6	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-18	4.73	$JXC_{18/30}$	N.V.P.	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	10	N.D.	$C_{18/30}$	9.8	N.D.	$C_{18/30}$	25	N.D.	$C_{18/30}$	23	N.D.	U	39	N.D.	U	38
PCB-19	N.D.	UX	5.01	N.D.		7.73	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		12	N.D.		10	N.D.	U	23	N.D.	U	23
PCB-20	12.5	$XC_{20/28}$	N.V.P.	N.D.	$C_{20/28}$	21.3	N.D.	$C_{20/28}$	15.5	N.D.	$C_{20/28}$	15.5	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	30	N.D.	$C_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-21	4.56	$JXC_{21/33}$	N.V.P.	N.D.	$C_{21/33}$	20.3	N.D.	$C_{21/33}$	9.52	N.D.	$C_{21/33}$	9.52	N.D.	$C_{21/33}$	10	N.D.	$C_{21/33}$	9.8	N.D.	$C_{21/33}$	31	N.D.	$C_{21/33}$	28	N.D.	U	39	N.D.	U	38
PCB-22	3.5	JX	N.V.P.	N.D.		8.7	N.D.		5.65	N.D.		5.65	N.D.		5.9	N.D.		5.8	N.D.		15	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-23	N.D.	UX	3.23	N.D.		6.76	N.D.		4.8	N.D.		4.8	N.D.		5	N.D.		4.9	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-24	N.D.	UX	3.09	N.D.		9.66	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-25	N.D.	UX	3.12	N.D.		7.73	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-26	N.D.	$UXC_{26/29}$	3.15	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	38	N.D.	$C_{26/29}$	34	N.D.	U	39	N.D.	U	38
PCB-27	N.D.	UX	3.23	N.D.		7.73	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		12	N.D.		10	N.D.	U	19	N.D.		
PCB-28	12.5	$XC_{20/28}$	N.V.P.	N.D.	$C_{20/28}$	21.3	N.D.	$C_{20/28}$	15.5	N.D.	$C_{20/28}$	15.5	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	30	N.D.	$C_{20/28}$	27	N.D.	U	39	N.D.	U	38
PCB-29	N.D.	$UXC_{26/29}$	3.15	N.D.	$C_{26/29}$	11.6	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	28	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	38	N.D.	$C_{26/29}$	34	N.D.	U	39	N.D.	U	38
PCB-30	4.73	$JXC_{18/30}$	N.V.P.	N.D.	$C_{18/30}$	15.5	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	9.52	N.D.	$C_{18/30}$	10	N.D.	$C_{18/30}$	9.8	N.D.	$C_{18/30}$	25	N.D.	$C_{18/30}$	23	N.D.	U	39	N.D.	U	38
PCB-31	8.15	JX	N.V.P.	N.D.		17.4	N.D.		11.1	N.D.		11.1	N.D.		12	N.D.		11	N.D.		18	N.D.		13	N.D.	U	19	N.D.	U	40
PCB-32	N.D.	UX	3.14	N.D.		7.73	N.D.		4.83	N.D.		4.83	N.D.		5	N.D.		5	N.D.		8.5	N.D.		7.6	N.D.	U	19	N.D.	U	19
PCB-33	4.56	$JXC_{21/33}$	N.V.P.	N.D.	$C_{21/33}$	20.3	N.D.	$C_{21/33}$	9.52	N.D.	$C_{21/33}$	9.52	N.D.	$C_{21/33}$	10	N.D.	$C_{21/33}$	9.8	N.D.	$C_{21/33}$	31	N.D.	$C_{21/33}$	28	N.D.	U	39	N.D.	U	38
PCB-34	N.D.	UX	3.31	N.D.		6.76	N.D.		5.55	N.D.		5.55	N.D.		5.8	N.D.		5.7	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-35	N.D.	UX	3.42	N.D.		8.7	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-36	N.D.	UX	3.07	N.D.		7.73	N.D.		6.82	N.D.		6.82	N.D.		7.1	N.D.		7	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-37	6.24	JX	N.V.P.	N.D.		9.66	N.D.		5.49	N.D.		5.49	N.D.		5.7	N.D.		5.7	N.D.		8.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-38	N.D.	UX	3.21	N.D.		6.76	N.D.		4.76	N.D.		4.76	N.D.		5	N.D.		4.9	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-39	N.D.	UX	2.97	N.D.		7.73	N.D.		5.9	N.D.		5.9	N.D.		6.2	N.D.		6.1	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-40	4.5	$JXC_{40/71}$	N.V.P.	N.D.	$C_{40/71}$	40.6	N.D.	$C_{40/71}$	19.1	N.D.	$C_{40/71}$	19.1	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	17	N.D.	$C_{40/71}$	15	N.D.	U	39	N.D.	U	38
PCB-41	N.D.	UX	2.76	N.D.		40.6	N.D.		12.6	N.D.		12.6	N.D.		13	N.D.		13	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-42	N.D.	UX	2.92	N.D.		15.5	N.D.		13.5	N.D.		13.5	N.D.		14	N.D.		14	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-43	N.D.	UX	3.76	N.D.		13.5	N.D.		9.52	N.D.		9.52	N.D.		10	N.D.		9.8	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-44	76.5	$XC_{44/47/65}$	N.V.P.	50.6	$JC_{44/47/65}$	38.6	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	25	23	J	23	N.D.	U	58	N.D.	U	64
PCB-45	N.D.	UX	2.24	N.D.		21.3	N.D.		11	N.D.		11	N.D.		12	N.D.		11	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-46	N.D.	UX	3.17	N.D.		9.66	N.D.		9.52	N.D.		9.52	N.D.		10	N.D.		9.8	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-47	76.5	$UC_{44/47/65}$	N.V.P.	50.6	$JC_{44/47/65}$	38.6	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	25	23	J	23	N.D.	U	58	N.D.	U	64
PCB-48	N.D.	UX	2.57	N.D.		13.5	N.D.		12	N.D.		12	N.D.		13	N.D.		12	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-49	7.3	$JXC_{49/69}$	N.V.P.	N.D.	$C_{49/69}$	25.1	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	19	N.D.	$C_{49/69}$	17	N.D.	U	39	N.D.	U	38
PCB-50	N.D.	$UXC_{50/53}$	2.61	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	94	N.D.	$C_{50/53}$	93	N.D.	$C_{50/53}$	96	N.D.	$C_{50/53}$	89	N.D.	U	39	N.D.	U	38
PCB-51	26	X	N.V.P.	N.D.		21.3	N.D.		30.1	N.D.		30.1	N.D.		31	N.D.		31	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-52	14.5	X	N.V.P.	17.5	J	14.5	N.D.		20.1	N.D.		20.1	N.D.		21	N.D.		21	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-53	N.D.	$UXC_{50/53}$	2.61	N.D.	$C_{50/53}$	24.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	90.2	N.D.	$C_{50/53}$	94	N.D.	$C_{50/53}$	93	N.D.	$C_{50/53}$	96	N.D.	$C_{50/53}$	89	N.D.	U	39	N.D.	U	38
PCB-54	N.D.	UX	2.72	N.D.		13.5	N.D.		9.52	N.D.		9.52	N.D.		10	N.D.		9.8	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-55	N.D.	UX	3.42	N.D.		11.6	N.D.		11.7	N.D.		11.7	N.D.		12	N.D.		12	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-56	4.96	JX	N.V.P.	N.D.		14.5	N.D.		10.3	N.D.		10.3	N.D.		11	N.D.		11	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-57	N.D.	UX	3.22	N.D.		10.6	N.D.		13	N.D.		13	N.D.		14	N.D.		13	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-58	N.D.	UX	2.96	N.D.		13.5	N.D.		12.4	N.D.		12.4	N.D.		13	N.D.		13	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-59	N.D.	$JXC_{59/62/75}$	1.92	N.D.	$C_{59/62/75}$	35.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	42	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	26	N.D.	$C_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-60	N.D.	UX	3.16	N.D.		13.5	N.D.		12	N.D.		12	N.D.		13	N.D.		12	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-61	18.6	$C_{61/70/74/76}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	32	N.D.	$C_{61/70/74/76}$	28	N.D.	U	78	N.D.	U	76
PCB-62	N.D.	$JXC_{59/62/75}$	1.92	N.D.	$C_{59/62/75}$	35.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	42	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	26	N.D.	$C_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-63	N.D.	UX	2.82	N.D.		11.6	N.D.		12.3	N.D.		12.3	N.D.		13	N.D.		13	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-64	3.97	JX	N.V.P.	N.D.		12.6	N.D.		10.5	N.D.		10.5	N.D.		11	N.D.		11	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-65	76.5	$XC_{44/47/65}$	N.V.P.	50.6	$JC_{44/47/65}$	38.6	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	37	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	38	N.D.	$C_{44/47/65}$	25	23	J	23	N.D.	U	58	N.D.	U	64
PCB-66	9.66	JX	N.V.P.	N.D.		16.4	N.D.		10.5	N.D.		10.5	N.D.		11	N.D.		11	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-67	N.D.	UX	3.12	N.D.		11.6	N.D.		11.7	N.D.		11.7	N.D.		12	N.D.		12	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-68	16.7	X	N.V.P.	N.D.		13.5	N.D.		14.6	N.D.		14.6	N.D.		15	N.D.		15	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-69	7.3	$JXC_{49/69}$	N.V.P.	N.D.	$C_{49/69}$	25.1	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	24	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	19	N.D.	$C_{49/69}$	19	N.D.	U	39	N.D.	U	38
PCB-70	18.6	$C_{61/70/74/76}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	32	N.D.	$C_{61/70/74/76}$	28	N.D.	U	78	N.D.	U	76
PCB-71	4.5	$JXC_{40/71}$	N.V.P.	N.D.	$C_{40/71}$	40.6	N.D.	$C_{40/71}$	19.1	N.D.	$C_{40/71}$	19.1	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	17	N.D.	$C_{40/71}$	15	N.D.	U	39	N.D.	U	38
PCB-72	N.D.	UX	3.14	N.D.		12.6	N.D.		15	N.D.		15	N.D.		16	N.D.		15	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-73	N.D.	UX	1.9	N.D.		13.5	N.D.		19.8	N.D.		19.8	N.D.		21	N.D.		20	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-74	18.6	$C_{61/70/74/76}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	32	N.D.	$C_{61/70/74/76}$	28	N.D.	U	78	N.D.	U	76
PCB-75	N.D.	$JXC_{59/62/75}$	1.92	N.D.	$C_{59/62/75}$	35.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	39.7	N.D.	$C_{59/62/75}$	42	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	26	N.D.	$C_{59/62/75}$	24	N.D.	U	58	N.D.	U	57
PCB-76	18.6	$C_{61/70/74/76}$	N.V.P.	N.D.	$C_{61/70/74/76}$	57	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	45.6	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	47	N.D.	$C_{61/70/74/76}$	32	N.D.	$C_{61/70/74/76}$	28	N.D.	U	78	N.D.	U	76
PCB-77	N.D.	UX	3.68	N.D.		13.5	N.D.		10	N.D.		10	N.D.		10	N.D.		10	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-78	6.91	JXE	N.V.P.	N.D.		15.5	N.D.		13.4	N.D.		13.4	N.D.		14	N.D.		14	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-79	N.D.	UX	2.8	N.D.		12.6	N.D.		13.5	N.D.		13.5	N.D.		14	N.D.		14	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-80	N.D.	UX	2.75	N.D.		10.6	N.D.		15.8	N.D.		15.8	N.D.		17	N.D.		16	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-81	N.D.	UX	3.52	N.D.		17.4	N.D.		9.52	N.D.		9.52	N.D.		10	N.D.		9.8	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-82	N.D.	UX	2.21	N.D.		14.5	N.D.		11.7	N.D.		11.7	N.D.		12	N.D.		12	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-83	N.D.	UX	1.73	N.D.		28	N.D.		12	N.D.		12	N.D.		13	N.D.		12	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-84	5.69	JX	N.V.P.	N.D.		10.6	N.D.		11.3	N.D.		11.3	N.D.		12	N.D.		12	N.D.		26	N.D.		24	N.D.	U	19	N.D.	U	19
PCB-85	7.53	$JXC_{85/116}$	N.V.P.	N.D.	$C_{85/116/117}$	36.7	N.D.	$C_{85/116/117}$	64.8	N.D.	$C_{85/116/117}$	64.8	N.D.	$C_{85/116/117}$	68	N.D.	$C_{85/116/117}$	67	N.D.	$C_{85/116/117}$	36	N.D.	$C_{85/116/117}$	32	N.D.	U	58	N.D.	U	57
PCB-86	24.1	$XC_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	71.5	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	160	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-87	24.1	$XC_{86/87/97/108/119/125}$	N.V.P.	N.D.	/87/97/109/11	71.5	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	122	N.D.	/87/97/109/11	130	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	160	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-88	N.D.	UX	1.83	N.D.		21.3	N.D.		14.2	N.D.		14.2	N.D.		15	N.D.		15	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-89	N.D.	UX	2.05	N.D.		12.6	N.D.		14.2	N.D.		14.2	N.D.		15	N.D.		15	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-90	33.6	$BC_{90/101/113}$	N.V.P.	N.D.	$C_{90/101/113}$	45.4	N.D.	$C_{90/101/113}$	39.3	N.D.	$C_{90/101/113}$	39.3	N.D.	$C_{90/101/113}$	41	N.D.	$C_{90/101/113}$	41	N.D.	$C_{90/101/113}$	42	N.D.	$C_{90/101/113}$	38	N.D.	U	58	N.D.	U	57
PCB-91	3.3	JXE	N.V.P.	N.D.		21.3	N.D.		11.3	N.D.		11.3	N.D.		12	N.D.		12	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19

Appendix B.1
Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-10																													
Sampling Date	3/23/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/21/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-92	5.46	JX	N.V.P.	N.D.		12.6	N.D.		14.9	N.D.		14.9	N.D.		16	N.D.		15	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-93	N.D.	UXC$_{93/100}$	1.62	N.D.	C$_{93/100}$	74.4	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	31	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-94	N.D.	UX	2.02	N.D.		12.6	N.D.		13.2	N.D.		13.2	N.D.		14	N.D.		14	N.D.		14	N.D.		12	N.D.	U	19	39	J	19
PCB-95	21.1	XB	N.V.P.	N.D.		74.4	N.D.		14.7	N.D.		14.7	42	J I B	15	N.D.		15	N.D.		13	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-96	N.D.	UX	1.19	N.D.		14.5	N.D.		12.3	N.D.		12.3	N.D.		13	N.D.		13	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-97	24.1	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{87/97/109/119}$	71.5	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-98	N.D.	UX	2.62	N.D.	C$_{98/102}$	74.4	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-99	20.6	X	N.V.P.	N.D.		28	N.D.		13.9	N.D.		13.9	N.D.		15	N.D.		14	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-100	N.D.	UXC$_{93/100}$	1.62	N.D.	C$_{93/100}$	74.4	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	29.3	N.D.	C$_{93/100}$	31	N.D.	C$_{93/100}$	30	N.D.	C$_{93/100}$	26	N.D.	C$_{93/100}$	24	N.D.	U	39	N.D.	U	38
PCB-101	33.6	BC$_{90/101/113}$	N.V.P.	N.D.	C$_{90/101/113}$	45.4	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	38	N.D.	U	58	N.D.	U	57
PCB-102	N.D.	UX	1.83	N.D.	C$_{98/102}$	74.4	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	39.3	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	41	N.D.	C$_{98/102}$	31	N.D.	C$_{98/102}$	28	N.D.	U	39	N.D.	U	38
PCB-103	N.D.	UX	1.79	N.D.		10.6	N.D.		17.4	N.D.		17.4	N.D.		18	N.D.		18	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-104	N.D.	UX	1.28	N.D.		13.5	N.D.		12.1	N.D.		12.1	N.D.		13	N.D.		12	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-105	23.1	XB	N.V.P.	N.D.		16.4	N.D.		12.3	N.D.		12.3	N.D.		13	N.D.		13	N.D.		12	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-106	N.D.	UX	1.49	N.D.		16.4	N.D.		14.9	N.D.		14.9	N.D.		16	N.D.		15	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-107	2.2	JXC$_{107/124}$	N.V.P.	N.D.		16.4	N.D.		15.4	N.D.		15.4	N.D.		16	N.D.		16	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-108	24.1	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	32	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	27	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-109	2.65	JXE	N.V.P.	N.D.	C$_{87/97/109/119}$	71.5	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-110	47.3	XB	N.V.P.	N.D.	C$_{110/115}$	37.7	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	61	N.D.	C$_{110/115}$	60	N.D.	C$_{110/115}$	27	N.D.	C$_{110/115}$	25	N.D.	U	39	N.D.	U	38
PCB-111	N.D.	UX	1.33	N.D.		13.5	N.D.		16.3	N.D.		16.3	N.D.		17	N.D.		17	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	19
PCB-112	N.D.	UX	1.64	N.D.		13.5	N.D.		16.8	N.D.		16.8	N.D.		18	N.D.		17	N.D.		17	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-113	33.6	BC$_{90/101/113}$	N.V.P.	N.D.	C$_{90/101/113}$	45.4	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	39.3	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	41	N.D.	C$_{90/101/113}$	42	N.D.	C$_{90/101/113}$	38	N.D.	U	58	N.D.	U	57
PCB-114	N.D.	UX	1.54	N.D.		14.5	N.D.		14.7	N.D.		14.7	N.D.		15	N.D.		15	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-115	N.D.	UX	1.88	N.D.	C$_{110/115}$	37.7	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	58.2	N.D.	C$_{110/115}$	61	N.D.	C$_{110/115}$	60	N.D.	C$_{110/115}$	27	N.D.	C$_{110/115}$	27	N.D.	U	39	N.D.	U	38
PCB-116	7.53	JXC$_{85/116}$	N.V.P.	N.D.	C$_{85/116/117}$	36.7	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	68	N.D.	C$_{85/116/117}$	67	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	32	N.D.	U	58	N.D.	U	57
PCB-117	N.D.	UX	1.13	N.D.	C$_{85/116/117}$	36.7	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	64.8	N.D.	C$_{85/116/117}$	68	N.D.	C$_{85/116/117}$	67	N.D.	C$_{85/116/117}$	36	N.D.	C$_{85/116/117}$	32	N.D.	U	120	N.D.	U	57
PCB-118	48.8	XB	N.V.P.	N.D.		29	N.D.		12.9	N.D.		12.9	16	J I	13	N.D.		13	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-119	24.1	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{87/97/109/119}$	71.5	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-120	N.D.	UX	1.3	N.D.		12.6	N.D.		15.9	N.D.		15.9	N.D.		17	N.D.		16	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-121	N.D.	UX	1.35	N.D.		11.6	N.D.		13.7	N.D.		13.7	N.D.		14	N.D.		14	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-122	N.D.	UX	1.62	N.D.		11.6	N.D.		12.9	N.D.		12.9	N.D.		13	N.D.		13	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-123	N.D.	UX	1.47	N.D.		16.4	N.D.		12.5	N.D.		12.5	N.D.		13	N.D.		13	N.D.		23	N.D.		21	N.D.	U	19	N.D.	U	19
PCB-124	2.2	JXC$_{107/124}$	N.V.P.	N.D.	C$_{108/124}$	28	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	30.3	N.D.	C$_{108/124}$	32	N.D.	C$_{108/124}$	31	N.D.	C$_{108/124}$	27	N.D.	C$_{108/124}$	25	N.D.	U	39	N.D.	U	38
PCB-125	24.1	XC$_{86/87/97/108/119/125}$	N.V.P.	N.D.	C$_{87/97/109/119}$	71.5	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	122	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{87/97/109/119}$	130	N.D.	C$_{86/87/97/109/119/125}$	160	N.D.	C$_{86/87/97/109/119/125}$	140	N.D.	U	120	N.D.	U	110
PCB-126	N.D.	UX	2.12	N.D.		15.5	N.D.		15.8	N.D.		15.8	N.D.		17	N.D.		16	N.D.		31	N.D.		28	N.D.	U	19	N.D.	U	19
PCB-127	N.D.	UX	1.46	N.D.		13.5	N.D.		17.8	N.D.		17.8	N.D.		19	N.D.		18	N.D.		7.4	N.D.		6.6	N.D.	U	19	N.D.	U	19
PCB-128	29.6	XBC$_{128/166}$	N.V.P.	N.D.	C$_{128/166}$	28	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	40	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	19	N.D.	C$_{128/166}$	17	N.D.	U	39	N.D.	U	38
PCB-129	195	BC$_{129/138/163}$	N.V.P.	128	C$_{129/138/163}$	60.9	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	49.8	53	C$_{129/138/163}$	52	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	68	N.D.	U	67
PCB-130	7.93	JX	N.V.P.	N.D.		12.6	N.D.		17.6	N.D.		17.6	ND		18	N.D.		18	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-131	N.D.	UX	1.01	N.D.		16.4	N.D.		15.1	N.D.		15.1	ND		16	N.D.		16	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-132	33.6	XB	N.V.P.	20.7	J	15.5	N.D.		14.5	N.D.		14.5	ND		15	N.D.		15	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-133	1.17	JXE	N.V.P.	N.D.		11.6	N.D.		17.4	N.D.		17.4	ND		18	N.D.		18	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-134	3.63	JX	N.V.P.	N.D.		31.9	N.D.		14.8	N.D.		14.8	ND		15	N.D.		15	N.D.		18	N.D.		16	N.D.	U	19	N.D.	U	19
PCB-135	34	XBC$_{135/151}$	N.V.P.	N.D.	C$_{135/151}$	44.4	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41	ND	C$_{135/151}$	43	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	34	N.D.	C$_{135/151}$	30	N.D.	U	39	N.D.	U	38
PCB-136	12.4	XB	N.V.P.	N.D.		15.5	N.D.		14.3	N.D.		14.3	ND		15	N.D.		15	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-137	4.36	JX	N.V.P.	N.D.		14.5	N.D.		18.4	N.D.		18.4	ND		19	N.D.		19	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-138	195	BC$_{129/138/163}$	N.V.P.	128	C$_{129/138/163}$	60.9	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	49.8	53	J	52	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	18	N.D.	U	68	N.D.	U	67
PCB-139	1.37	JXC$_{139/140}$	N.V.P.	N.D.	C$_{139/140}$	28	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.3	ND	C$_{139/140}$	33	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	18	N.D.	U	39	N.D.	U	38
PCB-140	1.97	JXC$_{139/140}$	N.V.P.	N.D.	C$_{139/140}$	28	N.D.	C$_{139/140}$	31.3	N.D.	C$_{139/140}$	31.3	ND	C$_{139/140}$	33	N.D.	C$_{139/140}$	32	N.D.	C$_{139/140}$	20	N.D.	C$_{139/140}$	20	N.D.	U	39	N.D.	U	38
PCB-141	32.6	XB	N.V.P.	19.6	J	16.4	N.D.		21.4	N.D.		21.4	N.D.		22	N.D.		22	N.D.		6.3	N.D.		5.7	N.D.	U	22	N.D.	U	22
PCB-142	N.D.	UX	1.03	N.D.		16.4	N.D.		17	N.D.		17	N.D.		18	N.D.		17	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-143	N.D.	UX	1.05	N.D.		31.9	N.D.		16.3	N.D.		16.3	N.D.		17	N.D.		17	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-144	4.3	JX	N.V.P.	N.D.		14.5	N.D.		15.9	N.D.		15.9	N.D.		17	N.D.		16	N.D.		22	N.D.		20	N.D.	U	19	N.D.	U	19
PCB-145	N.D.	UX	0.906	N.D.		15.5	N.D.		14.7	N.D.		14.7	N.D.		15	N.D.		15	N.D.		24	N.D.		22	N.D.	U	19	N.D.	U	19
PCB-146	22.4	XB	N.V.P.	17.3	J	13.5	N.D.		14.9	N.D.		14.9	N.D.		16	N.D.		15	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-147	92.2	XBC$_{147/149}$	N.V.P.	64.5	JC$_{147/149}$	33.8	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27.3	33	JC$_{147/149}$	29	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	21	N.D.	C$_{147/149}$	19	N.D.	U	42	N.D.	U	41
PCB-148	N.D.	UX	0.901	N.D.		13.5	N.D.		15.1	N.D.		15.1	ND		16	N.D.		16	N.D.		17	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-149	92.2	XBC$_{147/149}$	N.V.P.	64.5	JC$_{147/149}$	33.8	N.D.	C$_{147/149}$	27.3	N.D.	C$_{147/149}$	27.3	33	JC$_{147/149}$	29	N.D.	C$_{147/149}$	28	N.D.	C$_{147/149}$	21	N.D.	C$_{147/149}$	19	N.D.	U	42	N.D.	U	41
PCB-150	N.D.	UX	0.925	N.D.		14.5	N.D.		15.9	N.D.		15.9	ND		17	N.D.		16	N.D.		20	N.D.		18	N.D.	U	19	N.D.	U	19
PCB-151	34	XBC$_{135/151}$	N.V.P.	N.D.	C$_{135/151}$	44.4	N.D.	C$_{135/151}$	41	N.D.	C$_{135/151}$	41	ND	C$_{135/151}$	43	N.D.	C$_{135/151}$	42	N.D.	C$_{135/151}$	34	N.D.	C$_{135/151}$	34	N.D.	U	39	N.D.	U	38
PCB-152	N.D.	UX	0.82	N.D.		13.5	N.D.		13.9	N.D.		13.9	ND		15	N.D.		14	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-153	144	XBC$_{153/168}$	N.V.P.	107	BC$_{153/168}$	29	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	29.1	45	JC$_{153/168}$	30	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	19	N.D.	C$_{153/168}$	17	N.D.	U	50	N.D.	U	49
PCB-154	1.09	JX	N.V.P.	N.D.		44.4	N.D.		44.6	N.D.		44.6	ND		47	N.D.		46	N.D.		48	N.D.		43	N.D.	U	19	N.D.	U	19
PCB-155	N.D.	UX	0.926	N.D.		13.5	N.D.		15	N.D.		15	ND		16	N.D.		15	N.D.		21	N.D.		19	N.D.	U	19	N.D.	U	19
PCB-156	21.1	XBC$_{156/157}$	N.V.P.	N.D.	C$_{156/157}$	22.2	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	33.2	ND	C$_{156/157}$	35	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	31	N.D.	C$_{156/157}$	28	N.D.	U	39	N.D.	U	38
PCB-157	21.1	XBC$_{156/157}$	N.V.P.	N.D.	C$_{156/157}$	22.2	N.D.	C$_{156/157}$	33.2	N.D.	C$_{156/157}$	33.2	ND	C$_{156/157}$	35	N.D.	C$_{156/157}$	34	N.D.	C$_{156/157}$	31	N.D.	C$_{156/157}$	28	N.D.	U	39	N.D.	U	38
PCB-158	14.5	XB	N.V.P.	N.D.		15.5	N.D.		17.8	N.D.		17.8	ND		19	N.D.		18	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-159	2.73	JXE	N.V.P.	N.D.		13.5	N.D.		19.1	N.D.		19.1	ND		20	N.D.		20	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-160	N.D.	UX	0.797	N.D.		60.9	N.D.		18.9	N.D.		18.9	ND		20	N.D.		19	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-161	N.D.	UX	0.706	N.D.		12.6	N.D.		16.5	N.D.		16.5	ND		17	N.D.		17	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-162	N.D.	UX	1.83	N.D.		12.6	N.D.		18.7	N.D.		18.7	ND		20	N.D.		19	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-163	195	BC$_{129/138/163}$	N.V.P.	128	C$_{129/138/163}$	60.9	N.D.	C$_{129/138/163}$	49.8	N.D.	C$_{129/138/163}$	49.8	53	C$_{129/138/163}$	52	N.D.	C$_{129/138/163}$	51	N.D.	C$_{129/138/163}$	31	N.D.	C$_{129/138/163}$	28	N.D.	U	68	N.D.	U	67
PCB-164	12.8	XB	N.V.P.	N.D.		14.5	N.D.		16.8	N.D.		16.8	ND		18	N.D.		17	N.D.		7.4	N.D.		6.6	N.D.	U	19	N.D.	U	19
PCB-165	N.D.	UX	0.757	N.D.		12.6	N.D.		16.5	N.D.		16.5	ND		17	N.D.		17	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-166	29.6	XBC$_{128/166}$	N.V.P.	N.D.	C$_{128/166}$	28	N.D.	C$_{128/166}$	37.9	N.D.	C$_{128/166}$	37.9	ND	C$_{128/166}$	40	N.D.	C$_{128/166}$	39	N.D.	C$_{128/166}$	19	N.D.	C$_{128/166}$	17	N.D.	U	39	N.D.	U	38
PCB-167	7.86	JX	N.V.P.	N.D.		12.6	N.D.		16.2	N.D.		16.2	ND		17	N.D.		17	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-168	144	XBC$_{153/168}$	N.V.P.	107	BC$_{153/168}$	29	N.D.	C$_{153/168}$	29.1	N.D.	C$_{153/168}$	29.1	45	JC$_{153/168}$	30	N.D.	C$_{153/168}$	30	N.D.	C$_{153/168}$	19	N.D.	C$_{153/168}$	17	N.D.	U	50	N.D.	U	49
PCB-169	N.D.	UX	2.11	N.D.		14.5	N.D.		17.7	N.D.		17.7	ND		19	N.D.		18	N.D.		19	N.D.		17	N.D.	U	19	N.D.	U	19
PCB-170	91	XB	N.V.P.	46.3	J	11.6	N.D.		16.9	N.D.		16.9	18	J I	18	N.D.		17	N.D.		12	N.D.		10	N.D.	U	41	N.D.	U	40
PCB-171	22.8	XBC$_{171/173}$	N.V.P.	N.D.	C$_{171/173}$	29	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	35.8	ND	C$_{171/173}$	37	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	15	N.D.	U	39	N.D.	U	38
PCB-172	14.9	X	N.V.P.	N.D.		12.6	N.D.		15	N.D.		15	ND		16	N.D.		16	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	39
PCB-173	22.8	XBC$_{171/173}$	N.V.P.	N.D.	C$_{171/173}$	29	N.D.	C$_{171/173}$	35.8	N.D.	C$_{171/173}$	35.8	ND	C$_{171/173}$	37	N.D.	C$_{171/173}$	37	N.D.	C$_{171/173}$	17	N.D.	C$_{171/173}$	15	N.D.	U	39	N.D.	U	38
PCB-174	83.9	XB	N.V.P.	35.2	J	14.5	N.D.		16.8	N.D.		16.8	20	J	18	N.D.		17	N.D.		12	N.D.		11	N.D.	U	46	N.D.	U	19
PCB-175	2.12	JXE	N.V.P.	N.D.		13.5	N.D.		19.9	N.D.		19.9	ND		21	N.D.		21	N.D.		13	N.D.		11	N.D.	U	19	N.D.	U	19
PCB-176	6.38	JX	N.V.P.	N.D.		11.6	N.D.		15.3	N.D.		15.3	ND		16	N.D.		16	N.D.		6.3	N.D.		5.7	N.D.	U	19	N.D.	U	19
PCB-177	46	XB	N.V.P.	27.2	J	10.6	N.D.		17	N.D.		17	ND		18	N.D.		18	N.D.		9.5	N.D.		8.5	N.D.	U	23	N.D.	I	23

Appendix B.1

Summary of 2016-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-10																													
Sampling Date	3/23/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/21/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																														
PCB-178	19.2	XB	N.V.P.	N.D.		13.5	N.D.		25.2	N.D.		25.2	ND		26	N.D.		26	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-179	24.5	XB	N.V.P.	N.D.		13.5	N.D.		13.4	N.D.		13.4	ND		14	N.D.		14	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-180	203	$XBC_{180/193}$	N.V.P.	111	$C_{180/193}$	29	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	27.7	39	J $C_{180/193}$	29	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	20	21	J	18	N.D.	U	49	N.D.	U	48
PCB-181	N.D.	UX	1.67	N.D.		12.6	N.D.		19.8	N.D.		19.8	ND		21	N.D.		20	N.D.		8.5	N.D.		7.6	N.D.	U	19	N.D.	U	19
PCB-182	N.D.	UX	1.57	N.D.		12.6	N.D.		22.6	N.D.		22.6	ND		24	N.D.		23	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-183	37.2	XB	N.V.P.	28.7	$JC_{183/185}$	27.1	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.4	ND	$C_{183/185}$	52	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	41	N.D.	U	40
PCB-184	N.D.	UX	0.904	N.D.		13.5	N.D.		15.4	N.D.		15.4	ND		16	N.D.		16	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-185	7.21	JX	N.V.P.	28.7	$JC_{183/185}$	27.1	N.D.	$C_{183/185}$	49.4	N.D.	$C_{183/185}$	49.4	ND	$C_{183/185}$	52	N.D.	$C_{183/185}$	51	N.D.	$C_{183/185}$	23	N.D.	$C_{183/185}$	21	N.D.	U	41	N.D.	U	40
PCB-186	N.D.	UX	0.85	N.D.		14.5	N.D.		16.3	N.D.		16.3	ND		17	N.D.		17	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-187	95.9	XB	N.V.P.	62.1		16.4	N.D.		19.4	N.D.		19.4	21	J	20	N.D.		20	N.D.		12	12	J I	10	N.D.	U	37	N.D.	U	36
PCB-188	N.D.	UX	0.933	N.D.		14.5	N.D.		77.3	N.D.		77.3	ND		81	N.D.		80	N.D.		50	N.D.		45	N.D.	U	19	N.D.	U	19
PCB-189	N.D.	UX	2.31	N.D.		12.6	N.D.		16.8	N.D.		16.8	ND		18	N.D.		17	N.D.		16	N.D.		14	N.D.	U	19	N.D.	U	19
PCB-190	18.3	XB	N.V.P.	N.D.		13.5	N.D.		18.9	N.D.		18.9	ND		20	N.D.		19	N.D.		17	N.D.		15	N.D.	U	19	N.D.	U	19
PCB-191	4.42	JX	N.V.P.	N.D.		12.6	N.D.		15.2	N.D.		15.2	ND		16	N.D.		16	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-192	N.D.	UX	1.46	N.D.		12.6	N.D.		17.1	N.D.		17.1	ND		18	N.D.		18	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-193	203	$XBC_{180/193}$	N.V.P.	111	$C_{180/193}$	29	N.D.	$C_{180/193}$	27.7	N.D.	$C_{180/193}$	27.7	39	J $C_{180/193}$	29	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	20	21	J	18	N.D.	U	49	N.D.	U	48
PCB-194	59.8	XB	N.V.P.	27.5	J	17.4	N.D.		27.3	N.D.		27.3	ND		29	N.D.		28	N.D.		13	12	J	11	N.D.	U	25	N.D.	U	52
PCB-195	24.2	XB	N.V.P.	N.D.		21.3	N.D.		26.6	N.D.		26.6	ND		28	N.D.		27	N.D.		15	N.D.		13	N.D.	U	19	N.D.	U	19
PCB-196	25.8	XB	N.V.P.	N.D.		19.3	N.D.		22.7	N.D.		22.7	ND		24	N.D.		23	N.D.		12	N.D.		10	N.D.	U	19	N.D.	U	19
PCB-197	1.72	JX	N.V.P.	N.D.	$C_{197/200}$	41.5	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	75.6	ND	$C_{197/200}$	79	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	13	N.D.	U	39	N.D.	U	38
PCB-198	67.5	$XBC_{198/199}$	N.V.P.	40.2	$JC_{198/199}$	35.7	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.3	ND	$C_{198/199}$	49	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	19	N.D.	$C_{198/199}$	17	N.D.	U	39	N.D.	U	38
PCB-199	67.5	$XBC_{198/199}$	N.V.P.	40.2	$JC_{198/199}$	35.7	N.D.	$C_{198/199}$	47.3	N.D.	$C_{198/199}$	47.3	ND	$C_{198/199}$	49	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	19	N.D.	$C_{198/199}$	17	N.D.	U	39	N.D.	U	38
PCB-200	7.38	JX	N.V.P.	N.D.	$C_{197/200}$	41.5	N.D.	$C_{197/200}$	75.6	N.D.	$C_{197/200}$	75.6	ND	$C_{197/200}$	79	N.D.	$C_{197/200}$	78	N.D.	$C_{197/200}$	15	N.D.	$C_{197/200}$	13	N.D.	U	39	N.D.	U	38
PCB-201	6.57	JXB	N.V.P.	N.D.		19.3	N.D.		94.9	N.D.		94.9	ND		99	N.D.		98	N.D.		52	N.D.		46	N.D.	U	19	N.D.	U	19
PCB-202	12.5	XBE	N.V.P.	N.D.		23.2	N.D.		26.8	N.D.		26.8	ND		28	N.D.		28	N.D.		9.5	N.D.		8.5	N.D.	U	19	N.D.	U	19
PCB-203	36.9	XB	N.V.P.	23.5	J	17.4	N.D.		20.3	N.D.		20.3	ND		21	N.D.		21	N.D.		14	N.D.		12	N.D.	U	19	N.D.	U	49
PCB-204	N.D.	UX	0.747	N.D.		20.3	N.D.		21.7	N.D.		21.7	ND		23	N.D.		22	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-205	3.18	JX	N.V.P.	N.D.		14.5	N.D.		26.5	N.D.		26.5	ND		28	N.D.		27	N.D.		7.4	N.D.		6.6	N.D.	U	19	N.D.	U	19
PCB-206	31.9	X	N.V.P.	36.7	J	15.5	N.D.		24	N.D.		24	ND		25	N.D.		25	N.D.		7.4	8	J B	6.6	N.D.	U	20	N.D.	U	20
PCB-207	4.21	JXE	N.V.P.	N.D.		18.4	N.D.		23.3	N.D.		23.3	ND		24	N.D.		24	N.D.		11	N.D.		9.5	N.D.	U	19	N.D.	U	19
PCB-208	12.6	X	N.V.P.	17.7	J	15.5	N.D.		25.1	N.D.		25.1	ND		26	N.D.		26	N.D.		58	N.D.		52	N.D.	U	30	N.D.	U	30
PCB-209	51.8	X	N.V.P.	65.2		15.5	N.D.		347	N.D.		347	ND		360	N.D.		360	N.D.		250	N.D.		230	N.D.	U	39	N.D.	U	38

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
t method blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B.1

Summary of 2021-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	Equipment Blank - JLF			Equipment Blank - AGF			EB-10272022			EB-20240828			EB-10272024			Equipment Blank		
Sampling Date	10/15/2021			10/15/2021			10/27/2022			10/28/2022			10/27/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																		
Total PCBs	0	-	-	32.3	-	-	0	-	-	0	-	-	0	-	-	0	-	-
PCB-1	N.D.		61	N.D.		50	N.D.		17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-2	N.D.		89	N.D.		74	N.D.		15	N.D.	U	22	N.D.	U	30	N.D.	U	30
PCB-3	N.D.		50	N.D.		41	N.D.		11	N.D.	U	22	N.D.	U	30	N.D.	U	30
PCB-4	N.D.		6	15	J	5	N.D.		21	N.D.	U	31	N.D.	U	29	N.D.	U	29
PCB-5	N.D.		9.5	N.D.		7.8	N.D.		19	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-6	N.D.		17	N.D.		14	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-7	N.D.		10	N.D.		8.2	N.D.		15	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-8	N.D.		13	N.D.		10	N.D.		15	N.D.	U	31	N.D.	U	29	N.D.	U	29
PCB-9	N.D.		11	N.D.		8.7	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-10	N.D.		6.5	N.D.		5.4	N.D.		21	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-11	N.D.		160	N.D.		140	N.D.		110	N.D.	U	65	N.D.	U	120	N.D.	U	120
PCB-12	N.D.	$C_{12/13}$	27	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	33	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-13	N.D.	$C_{12/13}$	27	N.D.	$C_{12/13}$	22	N.D.	$C_{12/13}$	33	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-14	N.D.		6	N.D.		5	N.D.		19	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-15	N.D.		10	11	J I	8.4	N.D.		19	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-16	N.D.		6.4	N.D.		5.3	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-17	N.D.		7.4	N.D.		6.1	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-18	N.D.	$C_{18/30}$	12	N.D.	$C_{18/30}$	9.9	N.D.	$C_{18/30}$	23	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-19	N.D.		6	6.3	J	5	N.D.		11	N.D.	U	26	N.D.	U	24	N.D.	U	24
PCB-20	N.D.	$C_{20/28}$	20	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	27	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-21	N.D.	$C_{21/33}$	23	N.D.	$C_{21/33}$	9.9	N.D.	$C_{21/33}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-22	N.D.		7.2	N.D.		5.9	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-23	N.D.		6.1	N.D.		5	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-24	N.D.		6	N.D.		5	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-25	N.D.		6	N.D.		5	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-26	N.D.	$C_{26/29}$	36	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	35	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-27	N.D.		6	N.D.		5	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-28	N.D.	$C_{20/28}$	20	N.D.	$C_{20/28}$	16	N.D.	$C_{20/28}$	27	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-29	N.D.	$C_{26/29}$	36	N.D.	$C_{26/29}$	29	N.D.	$C_{26/29}$	35	N.D.	U	22	N.D.	U	40	N.D.	U	40
PCB-30	N.D.	$C_{18/30}$	12	N.D.	$C_{18/30}$	9.9	N.D.	$C_{18/30}$	23	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-31	N.D.		14	N.D.		12	N.D.		14	N.D.	U	22	N.D.	U	42	N.D.	U	42
PCB-32	N.D.		6.1	N.D.		5	N.D.		7.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-33	N.D.	$C_{21/33}$	12	N.D.	$C_{21/33}$	9.9	N.D.	$C_{21/33}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-34	N.D.		7	N.D.		5.8	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-35	N.D.		6	N.D.		5	N.D.		18	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-36	N.D.		8.6	N.D.		7.1	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-37	N.D.		7	N.D.		5.7	N.D.		7.7	N.D.	U	22	N.D.	U	25	N.D.	U	25
PCB-38	N.D.		6	N.D.		5	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-39	N.D.		7.5	N.D.		6.2	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-40	N.D.	$C_{40/71}$	24	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	15	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-41	N.D.		16	N.D.		13	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-42	N.D.		17	N.D.		14	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-43	N.D.		12	N.D.		9.9	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-44	N.D.	$C_{44/47/65}$	47	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	23	N.D.	U	65	N.D.	U	66	N.D.	U	66
PCB-45	N.D.		14	N.D.		12	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-46	N.D.		12	N.D.		9.9	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-47	N.D.	$C_{44/47/65}$	47	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	23	N.D.	U	65	N.D.	U	66	N.D.	U	66
PCB-48	N.D.		15	N.D.		13	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-49	N.D.	$C_{49/69}$	30	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-50	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	94	N.D.	$C_{50/53}$	88	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-51	N.D.		38	N.D.		31	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-52	N.D.		25	N.D.		21	N.D.		12	N.D.	U	22	N.D.	U	65	N.D.	U	65
PCB-53	N.D.	$C_{50/53}$	110	N.D.	$C_{50/53}$	94	N.D.	$C_{50/53}$	88	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-54	N.D.		12	N.D.		9.9	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-55	N.D.		15	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-56	N.D.		13	N.D.		11	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-57	N.D.		17	N.D.		14	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-58	N.D.		16	N.D.		13	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-59	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	24	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-60	N.D.		15	N.D.		13	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-61	N.D.	$C_{61/70/74/76}$	58	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	29	N.D.	U	87	N.D.	U	79	N.D.	U	79
PCB-62	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	24	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-63	N.D.		16	N.D.		13	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	40
PCB-64	N.D.		13	N.D.		11	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-65	N.D.	$C_{44/47/65}$	47	N.D.	$C_{44/47/65}$	39	N.D.	$C_{44/47/65}$	23	N.D.	U	65	N.D.	U	66	N.D.	U	66
PCB-66	N.D.		13	N.D.		11	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-67	N.D.		15	N.D.		12	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-68	N.D.		18	N.D.		15	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-69	N.D.	$C_{49/69}$	30	N.D.	$C_{49/69}$	25	N.D.	$C_{49/69}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	20
PCB-70	N.D.	$C_{61/70/74/76}$	58	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	29	N.D.	U	87	N.D.	U	79	N.D.	U	79
PCB-71	N.D.	$C_{40/71}$	24	N.D.	$C_{40/71}$	20	N.D.	$C_{40/71}$	15	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-72	N.D.		19	N.D.		16	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-73	N.D.		25	N.D.		21	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-74	N.D.	$C_{61/70/74/76}$	58	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	29	N.D.	U	87	N.D.	U	79	N.D.	U	79
PCB-75	N.D.	$C_{59/62/75}$	50	N.D.	$C_{59/62/75}$	41	N.D.	$C_{59/62/75}$	24	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-76	N.D.	$C_{61/70/74/76}$	58	N.D.	$C_{61/70/74/76}$	48	N.D.	$C_{61/70/74/76}$	29	N.D.	U	87	N.D.	U	79	N.D.	U	79
PCB-77	N.D.		13	N.D.		10	N.D.		18	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-78	N.D.		17	N.D.		14	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-79	N.D.		17	N.D.		14	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-80	N.D.		20	N.D.		17	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-81	N.D.		12	N.D.		9.9	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-82	N.D.		15	N.D.		12	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-83	N.D.		15	N.D.		13	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-84	N.D.		14	N.D.		12	N.D.		24	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-85	N.D.	$C_{85/116/117}$	82	N.D.	$C_{85/116/117}$	68	N.D.	$C_{85/116/117}$	33	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-86	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-87	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-88	N.D.		18	N.D.		15	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-89	N.D.		18	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-90	N.D.	$C_{90/101/113}$	50	N.D.	$C_{90/101/113}$	41	N.D.	$C_{90/101/113}$	39	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-91	N.D.		14	N.D.		12	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-92	N.D.		19	N.D.		16	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-93	N.D.	$C_{93/100}$	37	N.D.	$C_{93/100}$	31	N.D.	$C_{93/100}$	24	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-94	N.D.		17	N.D.		14	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-95	N.D.		19	N.D.		15	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-96	N.D.		16	N.D.		13	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-97	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-98	N.D.	$C_{98/102}$	50	N.D.	$C_{98/102}$	41	N.D.	$C_{98/102}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-99	N.D.		18	N.D.		15	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	
PCB-100	N.D.	$C_{93/100}$	37	N.D.	$C_{93/100}$	31	N.D.	$C_{93/100}$	24	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-101	N.D.	$C_{90/101/113}$	50	N.D.	$C_{90/101/113}$	41	N.D.	$C_{90/101/113}$	39	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-102	N.D.	$C_{98/102}$	50	N.D.	$C_{98/102}$	41	N.D.	$C_{98/102}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-103	N.D.		22	N.D.		18	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-104	N.D.		15	N.D.		13	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-105	N.D.		16	N.D.		13	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-106	N.D.		19	N.D.		16	N.D.		18	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-107	N.D.		20	N.D.		16	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-108	N.D.	$C_{108/124}$	38	N.D.	$C_{108/124}$	32	N.D.	$C_{108/124}$	25	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-109	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-110	N.D.	$C_{110/115}$	74	N.D.	$C_{110/115}$	61	N.D.	$C_{110/115}$	25	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-111	N.D.		21	N.D.		17	N.D.		13	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-112	N.D.		21	N.D.		18	N.D.		15	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-113	N.D.	$C_{90/101/113}$	50	N.D.	$C_{90/101/113}$	41	N.D.	$C_{90/101/113}$	39	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-114	N.D.		19	N.D.		15	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-115	N.D.	$C_{110/115}$	74	N.D.	$C_{110/115}$	61	N.D.	$C_{110/115}$	25	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-116	N.D.	$C_{85/116/117}$	82	N.D.	$C_{85/116/117}$	68	N.D.	$C_{85/116/117}$	33	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-117	N.D.	$C_{85/116/117}$	82	N.D.	$C_{85/116/117}$	68	N.D.	$C_{85/116/117}$	33	N.D.	U	65	N.D.	U	59	N.D.	U	59
PCB-118	N.D.		16	N.D.		13	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-119	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-120	N.D.		20	N.D.		17	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-121	N.D.		17	N.D.		14	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-122	N.D.		16	N.D.		13	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-123	N.D.		16	N.D.		13	N.D.		21	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-124	N.D.	$C_{108/124}$	38	N.D.	$C_{108/124}$	32	N.D.	$C_{108/124}$	25	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-125	N.D.	/87/97/109/11	150	N.D.	/87/97/109/11	130	N.D.	$C_{86/87/97/109/119/125}$	140	N.D.	U	130	N.D.	U	120	N.D.	U	120
PCB-126	N.D.		20	N.D.		17	N.D.		28	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-127	N.D.		23	N.D.		19	N.D.		6.8	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-128	N.D.	$C_{128/166}$	48	N.D.	$C_{128/166}$	40	N.D.	$C_{128/166}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-129	N.D.	$C_{129/138/163}$	63	N.D.	$C_{129/138/163}$	52	N.D.	$C_{129/138/163}$	28	N.D.	U	76	N.D.	U	69	N.D.	U	69
PCB-130	N.D.		22	N.D.		18	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-131	N.D.		19	N.D.		16	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-132	N.D.		18	N.D.		15	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-133	N.D.		22	N.D.		18	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-134	N.D.		19	N.D.		15	N.D.		16	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-135	N.D.	$C_{135/151}$	52	N.D.	$C_{135/151}$	43	N.D.	$C_{135/151}$	31	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-136	N.D.		18	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-137	N.D.		23	N.D.		19	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-138	N.D.	$C_{129/138/163}$	63	N.D.	$C_{129/138/163}$	52	N.D.	$C_{129/138/163}$	28	N.D.	U	76	N.D.	U	69	N.D.	U	69
PCB-139	N.D.	$C_{139/140}$	40	N.D.	$C_{139/140}$	33	N.D.	$C_{139/140}$	18	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-140	N.D.	$C_{139/140}$	40	N.D.	$C_{139/140}$	33	N.D.	$C_{139/140}$	18	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-141	N.D.		27	N.D.		22	N.D.		5.8	N.D.	U	22	N.D.	U	23	N.D.	U	20
PCB-142	N.D.		21	N.D.		18	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-143	N.D.		21	N.D.		17	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-144	N.D.		20	N.D.		17	N.D.		20	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-145	N.D.		19	N.D.		15	N.D.		22	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-146	N.D.		19	N.D.		16	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-147	N.D.	$C_{147/149}$	35	N.D.	$C_{147/149}$	29	N.D.	$C_{147/149}$	19	N.D.	U	47	N.D.	U	43	N.D.	U	43
PCB-148	N.D.		19	N.D.		16	N.D.		15	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-149	N.D.	$C_{147/149}$	35	N.D.	$C_{147/149}$	29	N.D.	$C_{147/149}$	19	N.D.	U	47	N.D.	U	43	N.D.	U	43

Appendix B.1
Summary of 2021-2025 Groundwater
PCB Analytical Results
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	Equipment Blank - JLF			Equipment Blank - AGF			EB-10272022			EB-20240828			EB-10272024			Equipment Blank		
Sampling Date	10/15/2021			10/15/2021			10/27/2022			10/28/2022			10/27/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
PCBs (Method 1668A) pg/L																		
PCB-150	N.D.		20	N.D.		17	N.D.		18	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-151	N.D.	$C_{135/151}$	52	N.D.	$C_{135/151}$	43	N.D.	$C_{135/151}$	31	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-152	N.D.		18	N.D.		15	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-153	N.D.	$C_{153/168}$	37	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	17	N.D.	U	55	N.D.	U	50	N.D.	U	50
PCB-154	N.D.		57	N.D.		47	N.D.		43	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-155	N.D.		19	N.D.		16	N.D.		19	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-156	N.D.	$C_{156/157}$	42	N.D.	$C_{156/157}$	35	N.D.	$C_{156/157}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-157	N.D.	$C_{156/157}$	42	N.D.	$C_{156/157}$	35	N.D.	$C_{156/157}$	28	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-158	N.D.		23	N.D.		19	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-159	N.D.		24	N.D.		20	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-160	N.D.		24	N.D.		20	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-161	N.D.		21	N.D.		17	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-162	N.D.		24	N.D.		20	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-163	N.D.	$C_{129/138/163}$	63	N.D.	$C_{129/138/163}$	52	N.D.	$C_{129/138/163}$	28	N.D.	U	76	N.D.	U	69	N.D.	U	69
PCB-164	N.D.		21	N.D.		18	N.D.		6.8	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-165	N.D.		21	N.D.		17	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-166	N.D.	$C_{128/166}$	48	N.D.	$C_{128/166}$	40	N.D.	$C_{128/166}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-167	N.D.		21	N.D.		17	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-168	N.D.	$C_{153/168}$	37	N.D.	$C_{153/168}$	30	N.D.	$C_{153/168}$	17	N.D.	U	55	N.D.	U	50	N.D.	U	50
PCB-169	N.D.		22	N.D.		19	N.D.		17	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-170	N.D.		21	N.D.		18	N.D.		11	N.D.	U	45	N.D.	U	42	N.D.	U	20
PCB-171	N.D.	$C_{171/173}$	45	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	15	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-172	N.D.		19	N.D.		16	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-173	N.D.	$C_{171/173}$	45	N.D.	$C_{171/173}$	37	N.D.	$C_{171/173}$	15	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-174	N.D.		21	N.D.		18	N.D.		11	N.D.	U	51	N.D.	U	46	N.D.	U	20
PCB-175	N.D.		25	N.D.		21	N.D.		12	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-176	N.D.		19	N.D.		16	N.D.		5.8	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-177	N.D.		22	N.D.		18	N.D.		8.7	N.D.	U	26	N.D.	U	24	N.D.	U	20
PCB-178	N.D.		32	N.D.		26	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-179	N.D.		17	N.D.		14	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-180	N.D.	$C_{180/193}$	35	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	18	N.D.	U	54	N.D.	U	49	N.D.	U	49
PCB-181	N.D.		25	N.D.		21	N.D.		7.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-182	N.D.		29	N.D.		24	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-183	N.D.	$C_{183/185}$	63	N.D.	$C_{183/185}$	52	N.D.	$C_{183/185}$	21	N.D.	U	45	N.D.	U	42	N.D.	U	42
PCB-184	N.D.		20	N.D.		16	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-185	N.D.	$C_{183/185}$	63	N.D.	$C_{183/185}$	52	N.D.	$C_{183/185}$	21	N.D.	U	45	N.D.	U	42	N.D.	U	42
PCB-186	N.D.		21	N.D.		17	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-187	N.D.		25	N.D.		20	N.D.		11	N.D.	U	41	N.D.	U	38	N.D.	U	38
PCB-188	N.D.		98	N.D.		81	N.D.		45	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-189	N.D.		21	N.D.		18	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-190	N.D.		24	N.D.		20	N.D.		15	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-191	N.D.		19	N.D.		16	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-192	N.D.		22	N.D.		18	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-193	N.D.	$C_{180/193}$	35	N.D.	$C_{180/193}$	29	N.D.	$C_{180/193}$	18	N.D.	U	54	N.D.	U	49	N.D.	U	49
PCB-194	N.D.		35	N.D.		29	N.D.		12	N.D.	U	28	N.D.	U	54	N.D.	U	54
PCB-195	N.D.		34	N.D.		28	N.D.		14	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-196	N.D.		29	N.D.		24	N.D.		11	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-197	N.D.	$C_{197/200}$	96	N.D.	$C_{197/200}$	79	N.D.	$C_{197/200}$	14	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-198	N.D.	$C_{198/199}$	60	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-199	N.D.	$C_{198/199}$	60	N.D.	$C_{198/199}$	49	N.D.	$C_{198/199}$	17	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-200	N.D.	$C_{197/200}$	96	N.D.	$C_{197/200}$	79	N.D.	$C_{197/200}$	14	N.D.	U	43	N.D.	U	40	N.D.	U	40
PCB-201	N.D.		120	N.D.		99	N.D.		47	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-202	N.D.		34	N.D.		28	N.D.		8.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-203	N.D.		26	N.D.		21	N.D.		13	N.D.	U	22	N.D.	U	51	N.D.	U	51
PCB-204	N.D.		28	N.D.		23	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-205	N.D.		34	N.D.		28	N.D.		6.8	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-206	N.D.		30	N.D.		25	N.D.		6.8	N.D.	U	22	N.D.	U	57	N.D.	U	57
PCB-207	N.D.		30	N.D.		24	N.D.		9.7	N.D.	U	22	N.D.	U	20	N.D.	U	20
PCB-208	N.D.		32	N.D.		26	N.D.		53	N.D.	U	34	N.D.	U	31	N.D.	U	31
PCB-209	N.D.		440	N.D.		360	N.D.		230	N.D.	U	43	N.D.	U	40	N.D.	U	40

Notes:
1. N.S. = Analyte not sampled for.
2. N.A. = Analyte not analyzed for.
3. N.V.P = No value present for the associated substance.
4. J = Reported result should be considered an estimate.
5. C_{xx} = Coeluding PCB congener
6. U = Analyte was not detected.
7. X = Initial analysis had control issues causing the analyst to: reinject the sample, repeat the analysis, or use a second detection column to obtain the results reported.
8. B = Parameter reported in sample and associated blank, not counted in sums.
9. pg/L = picograms per liter.

N.D. Analyte was not detected
method blank, not considered to represent actual groundwater conditions
N.S. Monitoring well not sampled

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01																														
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2020			10/15/2021			10/26/2022			11/1/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																															
1,2,3,4,6,7,8-HpCDD	N.D		--	N.D.		0.155	0.619	JBQ	0.0695	0.25	JBQ	0.158	2.1	J I B	0.026	2.1	J I B	0.026	1.5	J I B	0.056	1.7	J I B cn	0.31	4.4	J I B	0.34	N.D.	U	0.38	0.99	J B	0.039
1,2,3,4,6,7,8-HpCDF	N.D		--	N.D.		0.102	0.214	JBQ	0.0394	0.375	JQ	0.114	5	J B	0.2	5	J B	0.2	0.66	J I B	0.017	N.D	U cn	0.028	1.2	J I B	0.11	N.D.	U	0.042	0.25	J I B	0.0070
1,2,3,4,7,8,9-HpCDF	N.D		--	N.D.		0.0929	0.359	JB	0.0423	0.214	JBQ	0.132	N.D		0.051	N.D		0.051	0.16	J I B	0.02	N.D	U cn	0.036	0.94	J B	0.14	N.D.	U	0.058	N.D.	U	0.0093
1,2,3,4,7,8-HxCDD	N.D		--	N.D.		0.0931	0.213	JBQ	0.0929	N.D.		0.143	N.D		0.13	N.D		0.13	0.36	J B	0.032	N.D	U cn	0.056	1.20	J I	0.21	N.D.	U	0.040	N.D.	U	0.032
1,2,3,4,7,8-HxCDF	N.D		--	0.13	JBQ	0.101	0.254	JB	0.0546	0.516	JBQ	0.101	N.D		0.24	N.D		0.24	0.23	J I B	0.064	N.D	U cn	0.054	2.60	J I B	0.44	N.D.	U	0.11	N.D.	U	0.054
1,2,3,6,7,8-HxCDD	N.D		--	0.788	JBQ	0.118	0.374	JBQ	0.0891	N.D.		0.15	N.D		0.056	N.D		0.056	0.19	J I B	0.03	N.D	U cn	0.058	1.30	J	0.2	0.32	J I	0.044	N.D.	U	0.032
1,2,3,6,7,8-HxCDF	N.D		--	4.6	JBQ	0.101	0.434	JBQ	0.0579	0.169	JBQ	0.101	0.36	J I	0.13	0.36	J I	0.13	N.D		0.062	N.D	U cn	0.055	N.D		0.062	N.D.	U	0.12	N.D.	U	0.051
1,2,3,7,8,9-HxCDD	N.D		--	0.145	JQ	0.11	0.439	JBQ	0.0832	0.426	JBQ	0.137	0.22	J	0.059	0.22	J	0.059	0.26	J I B	0.031	N.D	U cn	0.059	ND		0.19	N.D.	U	0.045	0.15	J I B	0.030
1,2,3,7,8,9-HxCDF	N.D		--	0.292	JBQ	0.0754	0.907	JB	0.0553	0.376	JBQ	0.111	0.94	J I	0.074	0.94	J I	0.074	0.31	J B	0.069	N.D	U cn	0.061	ND		0.49	N.D.	U	0.15	N.D.	U	0.056
1,2,3,7,8-PeCDD	N.D		--	0.177	JBQ	0.0744	0.324	JBQ	0.149	N.D.		0.347	N.D		0.053	N.D		0.053	0.22	J B	0.034	N.D	U cn	0.056	ND		0.11	N.D.	U	0.071	N.D.	U	0.065
1,2,3,7,8-PeCDF	N.D		--	0.427	JBQ	0.0346	0.262	JB	0.0653	N.D.		0.162	0.31	J I B	0.15	1.31	J I B	0.15	0.34	J B	0.097	N.D	U cn	0.042	0.55	J I B	0.12	N.D.	U	0.074	N.D.	U	0.020
2,3,4,6,7,8-HxCDF	N.D		--	N.D.		0.0318	0.243	JBQ	0.0542	N.D.		0.0992	N.D		0.13	N.D		0.13	0.22	J B	0.06	N.D	U cn	0.049	ND		0.41	N.D.	U	0.11	0.24	J I B	0.049
2,3,4,7,8-PeCDF	N.D		--	0.615	JBQ	0.0522	0.319	JBQ	0.0507	0.52	JBQ	0.128	2.3	J I	0.061	3.3	J I	0.061	0.24	J B	0.078	N.D	U cn	0.034	1.1	J I	0.1	N.D.	U	0.058	N.D.	U	0.016
2,3,7,8-TCDD	N.D		--	N.D.		0.0558	N.D.		0.0466	N.D.		0.352	N.D		0.077	N.D		0.077	N.D		0.023	N.D	U cn	0.072	ND		0.17	N.D.	U	0.065	N.D.	U	0.034
2,3,7,8-TCDF	N.D		--	0.174	JQ	0.0257	0.0946	JBQ	0.0691	0.179	JQ	0.175	0.44	J I	0.079	0.44	J I	0.079	N.D		0.027	N.D	U cn	0.052	ND		0.18	N.D.	U	0.064	N.D.	U	0.034
OCDD	8.72	J	--	N.D.		0.0361	11.8	JB	0.163	8.31	JBQ	0.254	15	J B	0.2	15	J B	0.2	11	J I B	0.16	2.8	J I B cn	0.067	40	J B	0.21	28	J	0.079	5.2	J B	0.018
OCDF	N.D		--	0.282	JBQ	0.0716	0.355	JBQ	0.097	N.D.		0.206	4.2	J I B	0.05	4.2	J I B	0.05	0.55	J I B	0.03	N.D	U cn	0.061	0.7	J I	0.13	0.39	J B	0.083	N.D.	U	0.043
Total TCDD	8.72	J	--	N.D.		0.155	1.1	JBQ	0.0466	0.818	JBQ	0.352	0.76	J I B	0.11	0.76	J I B	0.11	0.25	J I B	0.023	N.D	U cn	0.072	N.D		0.17	N.D.	U	0.51	N.D.	U	0.47
Total TCDF	N.D		--	0.755	JBQ	0.102	1.02	JBQ	0.0691	1.42	JBQ	0.175	1.2	J I	0.097	1.2	J I	0.097	0.31	J I B	0.027	N.D	U cn	0.052	N.D		0.18	N.D.	U	0.064	N.D.	U	0.95
Total HpCDD	N.D		--	1.91	JBQ	0.0955	0.969	JBQ	0.0695	0.5	JBQ	0.158	2.1	J I B	0.026	2.1	J I B	0.026	1.5	J I B	0.056	1.7	J I B cn	0.31	4.4	J I B	0.94	N.D.	U	0.38	0.99	J B	0.039
Total HpCDF	N.D		--	1.24	JBQ	0.118	0.911	JBQ	0.0408	0.403	JBQ	0.123	8.7	J I B	0.22	8.7	J I B	0.22	0.82	J I B	0.019	N.D	U cn	0.036	2.1	J I B	0.13	N.D.	U	0.058	0.25	J I B	0.0082
Total HxCDD	N.D		--	8.51	QB	---	3.37	JBQ	0.0884	1.87	JBQ	0.143	2.2	J I B	0.053	2.2	J I B	0.053	2.3	J I B	0.031	N.D	U cn	0.058	2.6	J I B	0.2	0.32	J I B	0.043	0.15	J I B	0.031
Total HxCDF	N.D		--	1.09	JBQ	0.11	2.14	JBQ	0.0555	1.31	JBQ	0.103	2.4	J I B	0.14	2.4	J I B	0.14	0.76	J I B	0.064	N.D	U cn	0.055	2.6	J I B	0.45	N.D.	U	0.15	0.24	J I B	0.052
Total PeCDD	N.D		--	1.43	JBQ	0.0749	1.78	JBQ	0.149	3.4	JBQ	0.347	0.27	J I B	0.079	0.27	J I B	0.079	1.5	J I B	0.034	N.D	U cn	0.056	1.6	J	0.11	N.D.	U	0.071	N.D.	U	0.065
Total PeCDF	N.D		--	1.08	JBQ	0.0436	1.86	JBQ	0.0573	1.52	JBQ	0.145	7	J I B	0.083	7	J I B	0.083	0.58	J I B	0.087	N.D	U cn	0.042	1.7	J I B	0.11	N.D.	U	0.28	N.D.	U	0.15
Total PCDD	N.D		--	0.358	JBQ	0.0309	19.0 BQ	QB		14.9	QB		20	J I B	0.059	20	J I B	0.059	17	I B	0.062	4.5	J I B cn	0.11	49	I B	0.33	28	I B	0.22	6.3	I B	0.12
Total PCDF	N.D		--	4.23	QB	---	6.28 BQ	QB		4.65	QB		24	I B	0.077	24	I B	0.077	3	J I B	0.045	N.D	U cn	0.049	7.1	I B	0.2	0.39	J B	0.13	0.49	J I B	0.24
Total PCDD/PCDF	N.D		--	12.7	QB	---	25.3 BQ	QB											20	I B	0.053	7.2	I B cn	0.081	56	I B	0.26	28	I B	0.17	6.8	I B	0.18

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-02																											
Sampling Date	3/23/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/2/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	N.D.		--	N.D.		0.11	1.93	JB	0.0782	N.D.		0.181	1.7	J B	0.038	1.6	J I B	0.097	N.D	U cn	0.7	6.2	J I B	0.7	N.D.	U	0.38	1.7	J B	0.081
1,2,3,4,6,7,8-HpCDF	N.D.		--	N.D.		0.118	0.27	JBQ	0.0481	0.216	JQ	0.0683	0.54	J I B	0.022	0.69	J B	0.025	N.D	U cn	0.04	N.D		0.1	N.D.	U	0.042	0.33	J B	0.031
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.D.		0.0913	0.474	JBQ	0.054	N.D.		0.0914	0.39	J I B	0.038	0.31	J I B	0.032	N.D	U cn	0.056	0.53	J I B	0.13	N.D.	U	0.058	0.32	J B	0.040
1,2,3,4,7,8-HxCDD	N.D.		--	N.D.		0.0951	0.0999	JBQ	0.0991	N.D.		0.174	0.42	J	0.034	0.21	J I B	0.02	N.D	U cn	0.085	0.91	J	0.05	N.D.	U	0.040	0.41	J I B	0.020
1,2,3,4,7,8-HxCDF	N.D.		--	N.D.		0.112	0.158	JBQ	0.0536	0.518	JBQ	0.0943	N.D		0.028	0.18	J I B	0.02	N.D	U cn	0.41	0.84	J I B	0.29	N.D.	U	0.11	0.26	J I B	0.028
1,2,3,6,7,8-HxCDD	N.D.		--	N.D.		0.0894	0.305	JB	0.102	0.823	JQ	0.185	0.26	J I	0.038	0.25	J B	0.019	N.D	U cn	0.084	0.73	J I	0.05	0.32	J I	0.044	0.29	J B	0.021
1,2,3,6,7,8-HxCDF	N.D.		--	1.81	JBQ	0.101	0.328	JBQ	0.0576	N.D.		0.0896	0.31	J I	0.034	0.41	J B	0.019	N.D	U cn	0.43	N.D	U cn	-	N.D.	U	0.12	0.26	J I B	0.026
1,2,3,7,8,9-HxCDD	N.D.		--	N.D.		0.0874	0.307	JBQ	0.0954	0.442	JBQ	0.161	0.41	J I	0.071	0.44	J B	0.19	N.D	U cn	0.087	0.54	J I B	0.05	N.D.	U	0.045	0.47	J B	0.019
1,2,3,7,8,9-HxCDF	N.D.		--	0.326	JBQ	0.051	0.81	JB	0.05	0.316	JBQ	0.105	0.42	J	0.033	0.29	J I B	0.022	N.D	U cn	0.5	N.D		0.38	N.D.	U	0.15	0.63	J I B	0.029
1,2,3,7,8-PeCDD	N.D.		--	0.255	JBQ	0.0608	0.21	JBQ	0.135	N.D.		0.314	0.44	J I B	0.042	0.33	J I B	0.071	N.D	U cn	0.095	N.D		0.17	N.D.	U	0.071	0.50	J I B	0.017
1,2,3,7,8-PeCDF	N.D.		--	0.0522	JBQ	0.0304	0.589	JBQ	0.0699	N.D.		0.118	0.9	J I B	0.036	0.44	J B	0.047	N.D	U cn	0.065	0.75	J IB	0.06	N.D.	U	0.074	0.36	J B	0.018
2,3,4,6,7,8-HxCDF	N.D.		--	0.0868	JQ	0.0292	0.297	JB	0.0518	0.383	JBQ	0.0892	0.61	J I B	0.039	0.27	J I B	0.018	N.D	U cn	0.4	N.D		0.3	N.D.	U	0.11	0.36	J B	0.025
2,3,4,7,8-PeCDF	N.D.		--	0.388	JBQ	0.0453	0.199	JBQ	0.0531	0.48	JBQ	0.105	0.47	J I	0.031	0.29	J I B	0.039	N.D	U cn	0.054	0.66	J I	0.05	N.D.	U	0.058	0.47	J I B	0.014
2,3,7,8-TCDD	N.D.		--	N.D.		0.0483	N.D.		0.0514	N.D.		0.4	N.D		0.066	N.D		0.032	N.D	U cn	0.12	N.D		0.12	N.D.	U	0.065	N.D.	U	0.022
2,3,7,8-TCDF	N.D.		--	0.201	JQ	0.0271	0.166	JBQ	0.0663	N.D.		0.181	0.26	J I	0.052	N.D		0.014	N.D	U cn	0.085	N.D		0.1	N.D.	U	0.064	N.D.	U	0.054
OCDD	N.D.		--	N.D.		0.0337	26.8	JB	0.174	16.3	JBQ	0.233	7.8	J B	0.059	4.8	J I B	0.11	3.6	J I B cn	0.13	140	B	0.57	28	J	0.079	17	J B	0.069
OCDF	N.D.		--	0.592	JBQ	0.0687	0.828	JBQ	0.109	0.38	JBQ	0.184	0.57	J B	0.080	0.79	J I B	0.037	N.D	U cn	0.09	N.D		0.28	0.39	J B	0.083	1.1	J I B	0.016
Total TCDD	N.D.		--	1.27	JBQ	0.11	2.23	JBQ	0.0514	2.1	JBQ	0.4	0.93	J I B	0.045	1	J I B	0.032	N.D	U cn	0.12	5.8		0.12	N.D.	U	0.51	N.D.	U	0.022
Total TCDF	N.D.		--	1.22	JBQ	0.118	1.04	JBQ	0.0663	1.3	JBQ	0.181	1.5	J I	0.050	0.38	J I B	0.014	N.D	U cn	0.085	N.D		0.61	N.D.	U	0.064	0.10	J B	0.054
Total HpCDD	N.D.		--	2.16	JBQ	0.0985	4.31	JBQ	0.0782	2	JBQ	0.181	1.7	J B	0.038	1.6	J I B	0.097	N.D	U cn	0.7	19	J I B	0.72	N.D.	U	0.38	1.7	J B	0.081
Total HpCDF	N.D.		--	0.181	JBQ	0.0894	1.1	JBQ	0.0509	0.5	JBQ	0.0798	0.93	J I B	0.025	1.4	J I B	0.028	N.D	U cn	0.056	0.53	J I B	0.11	N.D.	U	0.058	0.79	J B	0.035
Total HxCDD	N.D.		--	6.64	QB	---	4.95	JBQ	0.0987	2	JBQ	0.173	4.5	J I B	0.039	3.4	J I B	0.02	N.D	U cn	0.087	2.2	J I B	0.05	0.32	J I B	0.043	2.3	J I B	0.020
Total HxCDF	N.D.		--	0.119	JBQ	0.0874	1.68	JBQ	0.0531	1.5	JBQ	0.0945	1.3	J I B	0.036	1.9	J I B	0.02	N.D	U cn	0.5	0.84	J I B	0.32	N.D.	U	0.15	1.5	J I B	0.027
Total PeCDD	N.D.		--	1.15	JBQ	0.0559	2.19	JBQ	0.135	N.D.	QB	0.314	3.8	J I B	0.052	0.33	J I B	0.071	N.D	U cn	0.095	2.8	J	0.17	N.D.	U	0.071	0.50	J I B	0.017
Total PeCDF	N.D.		--	0.997	JBQ	0.0383	1.87	JBQ	0.0615	1.8	JBQ	0.111	1.6	J I B	0.055	0.73	J I B	0.043	N.D	U cn	0.065	1.7	J I B	0.06	N.D.	U	0.28	0.83	J I B	0.016
Total PCDD	N.D.		--	0.221	JBQ	0.0304	40.5	QB		22.7	QB		19	J I B	0.071	11	I B	0.066	3.6	J I B cn	0.23	170	I B	0.33	28	I B	0.22	22	I B	0.042
Total PCDF	N.D.		--	3.08	QB	---	6.52	QB		5.48	QB		5.9	J I B	0.066	5.2	J I B	0.028	N.D	U cn	0.5	3.1	J I B	0.27	0.39	J B	0.13	4.3	J I B	0.030
Total PCDD/PCDF	N.D.		--	9.71	QB	---	47	QB		28.2	QB		25	I B	0.032	16	I B	0.047	3.6	J I B cn	0.36	170	I B	0.3	28	I B	0.17	25	I B	0.036

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-03																													
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	N.D.		--	N.D.		0.0792	0.413	JBQ	0.0509	0.207	JBQ	0.126	0.92	J I B	0.036	1.6	J I B	0.097	N.D	U cn	0.26	N.D		0.42	1.3	J I	0.088	0.79	J I B	0.049
1,2,3,4,6,7,8-HpCDF	N.D.		--	0.153	JQ	0.116	0.358	JB	0.038	0.254	JQ	0.0886	N.D		0.021	1.2	J I B	0.031	N.D	U cn	0.053	0.56	J I B	0.09	N.D.	U	0.060	N.D.	U	0.055
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.D.		0.121	0.235	JBQ	0.0434	0.599	JBQ	0.111	0.6	J I B	0.032	0.43	J I B	0.037	0.76	J I cn	0.08	N.D		0.12	N.D.	U	0.079	0.26	J I B	0.069
1,2,3,4,7,8-HxCDD	N.D.		--	N.D.		0.136	0.261	JBQ	0.0801	N.D.		0.176	N.D		0.02	0.23	J I B	0.056	N.D	U cn	0.075	N.D		0.04	N.D.	U	0.11	N.D.	U	0.015
1,2,3,4,7,8-HxCDF	N.D.		--	0.238	JBQ	0.15	0.196	JBQ	0.0517	0.106	JBQ	0.0687	0.18	J I B	0.026	0.27	J I B	0.057	N.D	U cn	0.34	1.1	J I B	0.18	N.D.	U	0.082	N.D.	U	0.046
1,2,3,6,7,8-HxCDD	N.D.		--	0.442	JB	0.11	0.247	JBQ	0.0849	0.348	JQ	0.176	0.5	J I	0.034	0.24	J I B	0.052	N.D	U cn	0.073	0.92	J I	0.04	N.D.	U	0.097	0.15	J I B	0.016
1,2,3,6,7,8-HxCDF	N.D.		--	4.92	JBQ	0.0894	0.127	JBQ	0.053	0.231	JBQ	0.066	N.D		0.021	N.D		0.061	N.D	U cn	0.34	N.D	U cn	-	N.D.	U	0.080	N.D.	U	0.044
1,2,3,7,8,9-HxCDD	N.D.		--	0.332	JQ	0.0949	0.275	JB	0.0812	N.D.		0.149	0.16	J I	0.10	N.D		0.053	N.D	U cn	0.082	0.81	J I B	0.04	0.56	J B	0.096	0.27	J I B	0.014
1,2,3,7,8,9-HxCDF	N.D.		--	0.435	JBQ	0.0659	0.886	JBQ	0.054	N.D.		0.0715	0.36	J I	0.10	0.48	J I B	0.063	N.D	U cn	0.38	N.D		0.23	0.37	J I	0.088	0.30	J B	0.047
1,2,3,7,8-PeCDD	N.D.		--	N.D.		0.0702	0.256	JBQ	0.135	0.876	JBQ	0.376	0.88	J I B	0.033	0.62	J I B	0.067	N.D	U cn	0.11	N.D		0.08	N.D.	U	0.10	N.D.	U	0.060
1,2,3,7,8-PeCDF	N.D.		--	0.157	JB	0.0595	0.48	JBQ	0.0716	0.257	JBQ	0.113	0.77	J I B	0.024	0.57	J B	0.069	0.51	J I B cn	0.11	0.9	J I B	0.08	N.D.	U	0.080	N.D.	U	0.011
2,3,4,6,7,8-HxCDF	N.D.		--	0.0932	JQ	0.0601	0.243	JBQ	0.0504	0.137	JBQ	0.06	0.33	J I B	0.022	0.42	J I B	0.053	N.D	U cn	0.32	N.D		0.2	N.D.	U	0.072	0.25	J I B	0.041
2,3,4,7,8-PeCDF	N.D.		--	0.756	JBQ	0.0761	0.348	JB	0.0558	N.D.		0.0983	0.26	J	0.089	0.27	J I B	0.054	N.D	U cn	0.092	0.84	J	0.07	N.D.	U	0.066	0.17	J I B	0.0087
2,3,7,8-TCDD	N.D.		--	0.111	JBQ	0.0807	N.D.		0.0454	N.D.		0.306	N.D		0.056	N.D		0.032	N.D	U cn	0.14	N.D		0.11	N.D.	U	0.14	N.D.	U	0.042
2,3,7,8-TCDF	N.D.		--	0.404	JQ	0.0535	N.D.		0.0715	N.D.		0.137	0.16	J I	0.04	0.12	J I	0.028	N.D	U cn	0.098	0.71	J I	0.06	N.D.	U	0.13	N.D.	U	0.019
OCDD	6.12	J	--	N.D.		0.057	3.02	JBQ	0.197	6.19	JBQ	0.202	2.7	J B	0.16	5.9	J I B	0.45	N.D	U cn	0.15	9.9	J I B	0.46	N.D.	U	0.12	1.3	J B	0.025
OCDF	N.D.		--	1.09	JBQ	0.0846	0.732	JBQ	0.121	0.456	JBQ	0.179	1.4	J I B	0.031	0.22	J I B	0.12	N.D	U cn	0.13	1.8	J	0.21	0.49	J I B	0.12	0.61	J B	0.020
Total TCDD	N.D.		--	1.67	JBQ	0.0792	1.85	JBQ	0.0454	2.35	JBQ	0.306	2	J I B	0.042	1.4	J I B	0.056	N.D	U cn	0.14	N.D		0.11	N.D.	U	0.65	N.D.	U	0.042
Total TCDF	N.D.		--	1.54	JBQ	0.116	0.516	JBQ	0.0715	0.422	JBQ	0.137	1.2	J I	0.06	0.54	J I B	0.028	N.D	U cn	0.098	0.87	J I	0.06	N.D.	U	0.33	N.D.	U	0.019
Total HpCDD	N.D.		--	2.91	JBQ	0.136	0.822	JBQ	0.0509	0.977	JBQ	0.126	0.92	J I B	0.036	1.6	J I B	0.13	N.D	U cn	0.26	N.D		0.42	1.3	J I	0.088	0.79	J I B	0.049
Total HpCDF	N.D.		--	0.442	JB	0.11	0.824	JBQ	0.0405	1.29	JBQ	0.0999	0.6	J I B	0.024	2.4	J I B	0.034	0.76	J I B cn	0.066	0.56	J I B	0.11	N.D.	U	0.079	0.26	J I B	0.062
Total HxCDD	N.D.		--	11.5	BQ	---	3.1	JBQ	0.082	1.9	JBQ	0.167	2.4	J I B	0.033	1.1	J I B	0.054	N.D	U cn	0.082	1.7	J I B	0.04	0.56	J B	0.10	0.52	J I B	0.015
Total HxCDF	N.D.		--	1.6	JBQ	0.0949	1.61	JBQ	0.0523	0.355	JQB	0.0665	0.88	J I B	0.022	2.1	J I B	0.058	N.D	U cn	0.38	1.9	J I B	0.2	0.37	J I	0.081	0.54	J I B	0.044
Total PeCDD	N.D.		--	1.2	JBQ	0.0681	2.73	JBQ	0.135	2.67	JBQ	0.376	2	J I B	0.04	0.98	J I B	0.067	N.D	U cn	0.11	N.D		0.08	N.D.	U	0.57	N.D.	U	0.060
Total PeCDF	N.D.		--	1.65	JBQ	0.0821	2.94	JBQ	0.0629	1.11	JBQ	0.106	1.4	J I B	0.078	0.84	J I B	0.061	0.51	J I B cn	0.1	2	J I B	0.08	N.D.	U	0.67	0.27	J I B	0.010
Total PCDD	N.D.		--	0.423	JBQ	0.0552	11.5	QB		14.1	QB		10	J I B	0.10	11	I B	0.15	N.D	U cn	0.26	12	I B	0.22	1.9	J I B	0.31	2.6	J I B	0.038
Total PCDF	N.D.		--	5.96	BQ	---	6.62	QB		3.64	QB		5.5	J I B	0.056	6.1	I B	0.059	1.3	J I B cn	0.16	7.1	I B	0.13	0.86	J I B	0.26	1.7	J I B	0.031
Total PCDD/PCDF	N.D.		--	17.4	BQ	---	18.1	QB		17.7	QB		16	J I B	0.095	17	I B	0.11	1.3	J I B cn	0.21	19	I B	0.18	2.7	J I B	0.28	4.3	J I B	0.035

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-04						MW-04R																				
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	1.38	J	--	N.S.		--	0.665	JBQ	0.0662	1.04	JB	0.158	0.78	J I B	0.043	1.9	J I B	0.36	N.D	U cn	0.48	N.D		0.94	N.D.	U	0.18	23	J I	3.7
1,2,3,4,6,7,8-HpCDF	N.D.		--	N.S.		--	0.607	JBQ	0.0459	1.73	JQ	0.124	0.39	J I B	0.033	1.8	J I B	0.023	0.36	J I B cn	0.024	0.4	J B	0.13	0.57	J	0.058	N.D.	U	1.5
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.S.		--	0.242	JBQ	0.0515	0.862	JBQ	0.145	0.85	J I B	0.050	0.41	J I B	0.029	0.34	J I cn	0.032	N.D		0.14	N.D.	U	0.078	N.D.	U	2.0
1,2,3,4,7,8-HxCDD	N.D.		--	N.S.		--	0.168	JBQ	0.0714	1.44	JBQ	0.265	0.73	J I	0.034	0.5	J I B	0.031	N.D	U cn	0.037	N.D		0.15	N.D.	U	0.080	N.D.	U	1.2
1,2,3,4,7,8-HxCDF	N.D.		--	N.S.		--	0.16	JBQ	0.0627	0.337	JBQ	0.184	0.58	J I B	0.034	0.45	J B	0.2	N.D	U cn	0.035	N.D		0.29	0.22	J I	0.080	N.D.	U	3.5
1,2,3,6,7,8-HxCDD	N.D.		--	N.S.		--	0.272	JBQ	0.0723	0.931	JQ	0.275	1	J I	0.048	0.6	J I B	0.033	0.79	J I cn	0.035	N.D		0.14	N.D.	U	0.070	N.D.	U	1.2
1,2,3,6,7,8-HxCDF	N.D.		--	N.S.		--	0.0864	JBQ	0.068	0.664	JBQ	0.193	0.72	J I	0.036	N.D		0.061	0.59	J I B cn	0.034	N.D	U cn	-	N.D.	U	0.082	N.D.	U	3.6
1,2,3,7,8,9-HxCDD	N.D.		--	N.S.		--	0.103	JBQ	0.0673	1.01	JBQ	0.246	0.67	J I	0.073	0.96	J I B	0.03	N.D	U cn	0.039	N.D		0.14	0.34	J I B	0.063	N.D.	U	1.1
1,2,3,7,8,9-HxCDF	N.D.		--	N.S.		--	0.782	JBQ	0.0605	0.764	JBQ	0.208	0.9	J	0.056	1.1	J I B	0.22	N.D	U cn	0.037	N.D		0.36	N.D.	U	0.082	N.D.	U	3.9
1,2,3,7,8-PeCDD	N.D.		--	N.S.		--	0.291	JBQ	0.156	N.D.		0.261	0.74	J I B	0.052	0.77	J B	0.1	0.98	J I B cn	0.095	N.D		0.16	N.D.	U	0.13	N.D.	U	0.53
1,2,3,7,8-PeCDF	N.D.		--	N.S.		--	N.D.		0.0809	0.634	JBQ	0.165	1.5	J I B	0.038	0.82	J I B	0.14	N.D	U cn	0.071	1.2	J I B	0.12	N.D.	U	0.11	N.D.	U	0.70
2,3,4,6,7,8-HxCDF	N.D.		--	N.S.		--	0.173	JBQ	0.0626	0.398	JBQ	0.172	0.86	J I B	0.035	0.95	J I B	0.19	0.56	J I cn	0.032	N.D		0.3	0.35	J I	0.075	N.D.	U	3.4
2,3,4,7,8-PeCDF	N.D.		--	N.S.		--	0.315	JBQ	0.0616	1.47	JB	0.125	0.76	J I	0.046	0.67	J I B	0.11	0.36	J I cn	0.055	N.D		0.1	0.20	J I B	0.087	N.D.	U	0.60
2,3,7,8-TCDD	N.D.		--	N.S.		--	0.144	JBQ	0.0554	0.763	JQ	0.236	0.75	J I	0.080	N.D		0.059	N.D	U cn	0.066	2	J I	0.22	N.D.	U	0.13	N.D.	U	1.4
2,3,7,8-TCDF	N.D.		--	N.S.		--	0.154	JBQ	0.0639	0.203	JQ	0.153	0.61	J I	0.058	N.D		0.053	N.D	U cn	0.045	ND		0.23	N.D.	U	0.12	N.D.	U	0.67
OCDD	7.26	J	--	N.S.		--	9.19	JB	0.195	29.5	JBQ	0.192	2.4	J I B	0.058	8.6	J B	0.14	3.7	J I B cn	0.12	16	J B	0.34	3.5	J	0.16	130	J	5.3
OCDF	N.D.		--	N.S.		--	2.14	JBQ	0.121	2.8	JBQ	0.157	0.97	J B	0.032	2.4	J B	0.06	1.6	J I B cn	0.058	1.7	J I	0.24	N.D.	U	0.11	N.D.	U	3.4
Total TCDD	N.D.		--	N.S.		--	1.15	JBQ	0.0554	2.08	JBQ	0.236	2.5	J I B	0.042	2.5	J I B	0.059	N.D	U cn	0.066	2	J I	0.22	N.D.	U	0.45	N.D.	U	1.4
Total TCDF	N.D.		--	N.S.		--	0.7	JBQ	0.0639	1.5	JBQ	0.152	0.61	J I	0.051	3	J I B	0.053	N.D	U cn	0.045	N.D		0.23	N.D.	U	0.57	N.D.	U	5.4
Total HpCDD	3.38		--	N.S.		--	1.28	JBQ	0.0662	2.52	JBQ	0.158	1	J I B	0.043	4.3	J I B	0.36	N.D	U cn	0.48	N.D		0.94	N.D.	U	0.18	23	J I	3.7
Total HpCDF	N.D.		--	N.S.		--	1.21	JBQ	0.0487	3.46	JBQ	0.135	1.7	J I B	0.033	3.2	J I B	0.026	0.70	J I B cn	0.028	0.40	J B	0.13	0.57	J	0.068	4.8	J	1.8
Total HxCDD	N.D.		--	N.S.		--	3.27	JBQ	0.0703	4.34	JBQ	0.261	3.6	J I B	0.050	6.1	J I B	0.031	0.79	J I B cn	0.037	N.D		0.15	0.34	J I B	0.071	N.D.	U	8.5
Total HxCDF	N.D.		--	N.S.		--	1.78	JBQ	0.0635	2.4	JBQ	0.188	3.1	J I B	0.036	2.8	J I B	0.2	1.2	J I B cn	0.035	2	J I B	0.31	0.58	J I	0.079	N.D.	U	3.9
Total PeCDD	N.D.		--	N.S.		--	2.28	JBQ	0.156	N.D.		0.261	2.3	J I B	0.058	4.4	J I B	0.1	0.98	J I B cn	0.095	0.96	J	0.16	N.D.	U	0.82	N.D.	U	8.1
Total PeCDF	N.D.		--	N.S.		--	1.59	JBQ	0.0713	3.53	JBQ	0.142	2.5	J I B	0.061	3.3	J I B	0.13	0.36	J I B cn	0.063	1.2	J I B	0.11	0.20	J I B	0.098	N.D.	U	9.5
Total PCDD	N.D.		--	N.S.		--	17.2	BQ		38.4	QB		12	J I B	0.073	26	I B	0.14	5.5	I B cn	0.16	19	I B	0.36	3.8	J I B	0.34	150	I B	5.4
Total PCDF	N.D.		--	N.S.		--	7.42	BQ		13.7	QB		8.9	J I B	0.080	15	I B	0.094	3.9	J I B cn	0.046	5.3	I B	0.21	1.4	J I B	0.18	4.8	J B	4.8
Total PCDD/PCDF	N.D.		--	N.S.		--	24.6	BQ		52.1	QB		21	J I B	0.051	41	I B	0.12	11	I B cn	0.1	24	I B	0.28	5.2	I B	0.26	150	I	5.1

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
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7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
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	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
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	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-05						MW-05R																				
Sampling Date	3/24/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/21/2021			10/26/2022			11/2/2023			8/28/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																													
1,2,3,4,6,7,8-HpCDD	N.D.		--	N.S.		--	3.45	JB	0.171	1.12	JBQ	0.186	87	B	1.0	0.91	J I B	0.13	N.D	U cn	0.77	3	J I B	0.4	N.D.	U	0.82	10	J B	0.56
1,2,3,4,6,7,8-HpCDF	N.D.		--	N.S.		--	1.81	JB	0.0981	1.05	JQ	0.124	44	B	0.46	0.91	J B	0.029	N.D	U cn	0.043	1.7	J I B	0.06	N.D.	U	0.060	2.6	J B	0.32
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.S.		--	1.64	JB	0.118	0.575	JB	0.14	14	J I B	0.13	0.077	J I B	0.036	N.D	U cn	0.055	N.D		0.09	N.D.	U	0.082	2.3	J I B	0.41
1,2,3,4,7,8-HxCDD	N.D.		--	N.S.		--	0.843	JBQ	0.209	0.481	JBQ	0.202	2.9	J	0.11	0.47	J I B	0.02	N.D	U cn	0.066	1.1	J I	0.12	N.D.	U	0.057	4.2	J I B	0.13
1,2,3,4,7,8-HxCDF	N.D.		--	N.S.		--	1.28	JB	0.125	0.707	JBQ	0.0964	11	J B	0.71	0.58	J B	0.094	N.D	U cn	0.16	N.D		0.17	N.D.	U	0.16	2.8	J I B	0.22
1,2,3,6,7,8-HxCDD	N.D.		--	N.S.		--	0.963	JBQ	0.2	0.336	JQ	0.209	6.5	J I	0.13	0.62	J I	0.018	N.D	U cn	0.064	N.D		0.13	N.D.	U	0.060	N.D.	U	0.13
1,2,3,6,7,8-HxCDF	N.D.		--	N.S.		--	1.16	JBQ	0.127	0.182	JB	0.0964	8.3	J	0.18	0.5	J I B	0.093	N.D	U cn	0.14	N.D	U cn	-	N.D.	U	0.17	2.3	J I B	0.20
1,2,3,7,8,9-HxCDD	N.D.		--	N.S.		--	1.31	JBQ	0.197	0.402	JBQ	0.191	6.8	J I	0.19	0.62	J I B	0.018	N.D	U cn	0.063	0.86	J I B	0.12	0.68	J I B	0.062	2.5	J I B	0.12
1,2,3,7,8,9-HxCDF	N.D.		--	N.S.		--	2.11	JBQ	0.133	0.331	JBQ	0.0981	5.5	J	0.25	0.59	J I B	0.099	N.D	U cn	0.16	N.D		0.21	N.D.	U	0.20	3.4	J I B	0.21
1,2,3,7,8-PeCDD	N.D.		--	N.S.		--	0.99	JB	0.345	0.507	JB	0.395	3.8	J B	0.13	0.56	J	0.043	N.D	U cn	0.093	N.D		0.13	N.D.	U	0.090	N.D.	U	0.65
1,2,3,7,8-PeCDF	N.D.		--	N.S.		--	1.53	JBQ	0.203	0.226	JBQ	0.161	5.8	J B	0.21	0.43	J I B	0.047	N.D	U cn	0.065	0.7	J I B	0.13	N.D.	U	0.068	2.1	J B	0.35
2,3,4,6,7,8-HxCDF	N.D.		--	N.S.		--	1.33	JB	0.123	0.411	JB	0.0869	5.9	J I B	0.17	0.27	J I B	0.087	N.D	U cn	0.14	N.D		0.18	N.D.	U	0.15	2.7	J I B	0.18
2,3,4,7,8-PeCDF	N.D.		--	N.S.		--	1.32	JB	0.152	0.413	JB	0.13	3.5	J	0.17	0.46	J I B	0.038	N.D	U cn	0.057	0.44	J I	0.11	0.70	J I B	0.054	N.D.	U	0.27
2,3,7,8-TCDD	N.D.		--	N.S.		--	0.455	JBQ	0.116	0.384	JQ	0.373	N.D		0.2	N.D		0.023	N.D	U cn	0.11	3	J I	0.15	0.32	J	0.11	N.D.	U	0.28
2,3,7,8-TCDF	N.D.		--	N.S.		--	1.05	JBQ	0.188	0.704	JQ	0.201	2.7	J I	0.10	N.D		0.025	N.D	U cn	0.088	N.D		0.11	N.D.	U	0.079	4.7	J I	0.29
OCDD	3.77	J	--	N.S.		--	165	B	0.303	60.2	JBQ	0.288	7800	B	0.95	15	J B	0.14	N.D	U cn	0.1	16	J I B	0.36	10	J	0.12	79	J I B	0.55
OCDF	N.D.		--	N.S.		--	12	JB	0.202	6.18	JBQ	0.207	1700	B	0.6	1.4	J I B	0.033	N.D	U cn	0.097	1.4	J I	0.32	1.8	J B	0.16	13	J I B	0.26
Total TCDD	1.67		--	N.S.		--	2.95	JBQ	0.116	1.31	JBQ	0.373	78	I B	0.33	2.1	J I B	0.023	N.D	U cn	0.11	3	J I B	0.15	0.32	J	0.11	N.D.	U	0.28
Total TCDF	N.D.		--	N.S.		--	4.48	JBQ	0.188	1.3	JBQ	0.201	27	I	0.41	2.9	J I B	0.025	N.D	U cn	0.088	0.53	J	0.11	0.35	J	0.079	8.1	J I B	0.29
Total HpCDD	1.39		--	N.S.		--	6.93	JBQ	0.171	2.11	JBQ	0.186	87	B	1.0	0.91	J I B	0.13	N.D	U cn	0.77	3	J I B	0.4	N.D.	U	0.82	10	J B	0.56
Total HpCDF	N.D.		--	N.S.		--	5.1	JBQ	0.107	2.19	JBQ	0.132	84	I B	0.59	1.5	J I B	0.032	N.D	U cn	0.055	1.7	J I B	0.08	N.D.	U	0.082	4.9	J I B	0.36
Total HxCDD	N.D.		--	N.S.		--	6.04	JBQ	0.202	3.73	JBQ	0.201	42	I B	0.13	4.3	J I B	0.019	N.D	U cn	0.064	2	J I B	0.12	0.68	J I B	0.060	8.1	J I B	0.13
Total HxCDF	N.D.		--	N.S.		--	6.66	JBQ	0.127	1.76	JBQ	0.0943	38	I B	0.17	1.9	J I B	0.093	N.D	U cn	0.16	N.D		0.21	N.D.	U	0.20	11	J I B	0.20
Total PeCDD	N.D.		--	N.S.		--	4.62	JBQ	0.345	3.58	JBQ	0.395	20	J I B	0.10	2.4	J I B	0.043	N.D	U cn	0.093	N.D		0.13	N.D.	U	0.090	N.D.	U	0.65
Total PeCDF	N.D.		--	N.S.		--	7.77	JBQ	0.174	1.81	JBQ	0.144	44	I B	0.50	2.8	J I B	0.042	N.D	U cn	0.065	1.1	J I B	0.12	0.70	J I B	0.061	4.9	J B	0.31
Total PCDD	N.D.		--	N.S.		--	185	BQ		70.9	QB		8000	I B	0.19	25	I B	0.071	N.D	U cn	0.23	24	I B	0.23	11	I B	0.24	97	I B	0.43
Total PCDF	N.D.		--	N.S.		--	36	BQ		13.2	QB		1900	I B	0.20	11	I B	0.045	N.D	U cn	0.16	4.7	J I B	0.16	2.9	J I B	0.12	42	J I B	0.29
Total PCDD/PCDF	N.D.		--	N.S.		--	221	BQ		84.2	QB		9900	I B	0.21	N.D		0.058	N.D	U cn	0.19	29	I B	0.2	14	I B	0.18	140	I B	0.36

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-06																													
Sampling Date	3/24/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/15/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	N.D.		--	0.145	JQ	0.13	0.835	JBQ	0.0576	N.D.		0.117	0.77	J I B	0.047	2.3	J B	0.26	N.D	U	1.1	N.D		0.43	1.1	J	0.14	1.4	J I B	0.033
1,2,3,4,6,7,8-HpCDF	N.D.		--	0.302	JQ	0.167	0.49	JBQ	0.0587	0.11	JQ	0.0653	N.D		0.033	1.3	J B	0.023	0.93	J I B	0.09	1.2	J	0.03	0.46	J	0.090	0.48	J I B	0.013
1,2,3,4,7,8,9-HpCDF	N.D.		--	0.357	JBQ	0.187	0.543	JB	0.0669	0.144	JBQ	0.0781	N.D		0.053	0.88	J I B	0.03	N.D	U	0.11	0.8	J I	0.04	N.D.	U	0.13	0.83	J B	0.016
1,2,3,4,7,8-HxCDD	N.D.		--	0.421	JBQ	0.191	0.233	JBQ	0.0836	0.418	JBQ	0.135	1.2	J I	0.038	N.D		0.073	N.D	U	0.093	0.27	J I	0.05	N.D.	U	0.080	0.51	J I B	0.037
1,2,3,4,7,8-HxCDF	N.D.		--	0.567	JBQ	0.225	0.326	JB	0.0618	0.0854	JBQ	0.0817	0.43	J B	0.035	N.D		0.14	N.D	U	0.15	N.D		0.07	N.D.	U	0.19	0.51	J I B	0.033
1,2,3,6,7,8-HxCDD	N.D.		--	4.81	JBQ	0.29	0.156	JBQ	0.0873	0.294	JQ	0.142	0.29	J	0.051	0.55	J I B	0.073	N.D	U	0.092	N.D		0.05	N.D.	U	0.086	0.51	J I B	0.037
1,2,3,6,7,8-HxCDF	N.D.		--	146	B	0.195	0.43	JBQ	0.0623	0.216	JBQ	0.0831	0.33	J I	0.038	N.D		0.14	N.D	U	0.15	N.D		-	N.D.	U	0.20	N.D.	U	0.031
1,2,3,7,8,9-HxCDD	N.D.		--	1.44	JQ	0.54	0.382	JB	0.086	0.324	JBQ	0.133	0.92	J I	0.11	N.D		0.068	N.D	U	0.091	0.45	J I B	0.04	N.D.	U	0.088	0.57	J I B	0.036
1,2,3,7,8,9-HxCDF	N.D.		--	1.57	JBQ	0.197	1.2	JBQ	0.0582	0.219	JBQ	0.096	0.97	J	0.12	0.81	J B	0.15	N.D	U	0.16	N.D		0.07	N.D.	U	0.24	1.0	J B	0.035
1,2,3,7,8-PeCDD	N.D.		--	2.66	JBQ	0.247	0.599	JBQ	0.165	N.D.		0.277	0.78	J B	0.053	0.69	J I B	0.078	N.D	U	0.14	N.D		0.06	N.D.	U	0.12	0.50	J I B	0.035
1,2,3,7,8-PeCDF	N.D.		--	2.57	JBQ	0.131	0.591	JBQ	0.0877	0.537	JBQ	0.114	1.1	J I B	0.044	0.93	J I B	0.081	N.D	U	0.14	0.76	J I	0.04	N.D.	U	0.092	N.D.	U	0.044
2,3,4,6,7,8-HxCDF	N.D.		--	1.43	JQ	0.13	0.314	JB	0.057	0.304	JBQ	0.0793	0.68	J I B	0.039	N.D		0.13	N.D	U	0.14	N.D		0.07	N.D.	U	0.18	0.65	J I B	0.029
2,3,4,7,8-PeCDF	N.D.		--	1.07	JBQ	0.203	0.31	JBQ	0.0678	0.228	JBQ	0.0914	0.33	J I	0.10	N.D		0.061	N.D	U	0.11	N.D		0.03	N.D.	U	0.072	0.50	J B	0.034
2,3,7,8-TCDD	N.D.		--	N.D.		0.213	0.0613	JBQ	0.0525	0.335	JQ	0.259	1.5	J I	0.12	N.D		0.07	N.D	U	0.16	N.D		0.07	N.D.	U	0.058	N.D.	U	0.024
2,3,7,8-TCDF	N.D.		--	1.4	JQ	0.089	0.202	JB	0.0691	N.D.		0.157	0.32	J I	0.060	N.D		0.09	N.D	U	0.11	N.D		0.07	N.D.	U	0.057	N.D.	U	0.017
OCDD	N.D.		--	0.357	JBQ	0.124	6.88	JB	0.214	1.51	JBQ	0.209	5.7	J B	0.044	8.3	J B	0.23	3.2	J I B	0.15	1.6	J I B	0.06	2.2	J I	0.070	3.2	J I B	0.026
OCDF	N.D.		--	16.9	JB	0.0884	1.62	JB	0.142	0.426	JBQ	0.175	1.1	J I B	0.034	1.3	J B	0.091	N.D	U	0.13	7	J	0.05	0.31	J I B	0.074	1.7	J B	0.021
Total TCDD	N.D.		--	0.886	JBQ	0.13	1.31	JBQ	0.0525	1.59	JBQ	0.259	1.5	J I B	0.056	0.76	J I B	0.07	N.D	U	0.16	N.D		0.07	N.D.	U	0.66	N.D.	U	0.024
Total TCDF	N.D.		--	1.71	JBQ	0.167	1.61	JBQ	0.0691	1.63	JBQ	0.157	0.59	J I	0.066	1.3	J I B	0.09	N.D	U	0.11	N.D		0.07	ND	U	0.057	0.14	J B	0.017
Total HpCDD	N.D.		--	4.19	JBQ	0.201	1.2	JBQ	0.0576	N.D.		0.117	0.77	J I B	0.047	2.3	J B	0.26	N.D	U	1.1	N.D		0.43	1.1	J	0.14	1.5	J I B	0.033
Total HpCDF	N.D.		--	10.8	QB	0.29	1.71	JBQ	0.0625	0.317	JBQ	0.0717	N.D		0.035	3.5	J I B	0.026	0.93	J I B	0.098	2	J I	0.03	0.46	J	0.11	1.3	J I B	0.014
Total HxCDD	N.D.		--	164	QB	---	3.58	JBQ	0.0856	1.69	JBQ	0.137	4.5	J I B	0.052	1.8	J I B	0.072	N.D	U	0.092	0.72	J I B	0.04	0.18	J B	0.085	2.0	J I B	0.037
Total HxCDF	N.D.		--	39.5	QB	0.54	2.53	JBQ	0.0597	1.4	JBQ	0.0851	2.4	J I B	0.0400	0.81	J B	0.14	N.D	U	0.16	N.D		0.07	N.D.	U	0.24	2.2	J I B	0.032
Total PeCDD	N.D.		--	25.8	QB	0.217	2.09	JBQ	0.165	N.D.		0.277	0.78	J B	0.0600	1.2	J I B	0.078	N.D	U	0.14	N.D		0.06	N.D.	U	0.81	0.50	J I B	0.035
Total PeCDF	N.D.		--	10.4	QB	0.169	2.85	JBQ	0.0777	1.7	JBQ	0.103	2.4	J I B	0.075	1.6	J I B	0.071	N.D	U	0.14	0.76	J I	0.04	N.D.	U	0.22	0.50	J B	0.039
Total PCDD	N.D.		--	3.43	JBQ	0.106	15.1	QB		4.78	QB		13	J I B	0.11	14	I B	0.14	3.2	J I B	0.32	2.3	J I B	0.13	3.5	J I B	0.35	7.2	I B	0.031
Total PCDF	N.D.		--	95.9	BQ	---	10.3	QB		5.47	QB		6.5	J I B	0.12	8.5	IB	0.084	0.93	J I B	0.13	9.8	I	0.05	0.77	J I B	0.14	5.8	I B	0.025
Total PCDD/PCDF	N.D.		--	260	BQ	---	25.4	QB		10.3	QB		20	J I B	0.11	23	I	0.11	4.1	J I B	0.22	12	I	0.09	4.3	J I B	0.25	13	I B	0.028

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
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4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
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	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-07																													
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/24/2019			10/14/2020			10/15/2021			10/26/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	N.D.		--	N.D.		0.234	7.61	JB	0.434	0.865	JBQ	0.13	0.84	J I B	0.039	1.6	J B	0.18	2.7	J B cn	0.12	4.5	J I B	0.53	2.9	J I	0.19	1.1	J B	0.12
1,2,3,4,6,7,8-HpCDF	N.D.		--	0.598	JQ	0.215	1.63	JBQ	0.198	N.D.		0.0566	0.39	J I B	0.028	1.1	J I B	0.018	N.D	U cn	0.023	2.5	J I B	0.13	0.76	J I	0.12	0.64	J B	0.031
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.D.		0.137	0.381	JBQ	0.279	N.D.		0.0707	0.43	J I B	0.043	0.32	J I B	0.023	N.D	U cn	0.032	1.2	J I B	0.18	1.3	J I	0.17	0.42	J I B	0.040
1,2,3,4,7,8-HxCDD	N.D.		--	0.608	JBQ	0.148	0.927	JBQ	0.54	0.44	JBQ	0.189	0.21	J I	0.030	0.83	J I B	0.039	N.D	U cn	0.037	1.9	J I	0.08	N.D.	U	0.12	0.36	J I B	0.097
1,2,3,4,7,8-HxCDF	N.D.		--	N.D.		0.148	0.453	JBQ	0.214	0.249	JBQ	0.103	0.29	J I B	0.03	N.D		0.094	0.85	J I cn	0.069	2.5	J I B	0.19	N.D.	U	0.37	N.D.	U	0.067
1,2,3,6,7,8-HxCDD	N.D.		--	N.D.		0.124	3.68	JB	0.552	0.323	JQ	0.198	0.33	J I	0.044	N.D		0.036	0.60	J I cn	0.036	1.70	J	0.08	0.74	J I	0.11	0.47	J B	0.093
1,2,3,6,7,8-HxCDF	N.D.		--	2.77	JBQ	0.209	0.62	JBQ	0.213	N.D.		0.106	0.45	J I	0.031	N.D		0.091	0.90	J I B cn	0.071	N.D		-	N.D.	U	0.36	0.40	J I B	0.061
1,2,3,7,8,9-HxCDD	N.D.		--	N.D.		0.185	2.36	JBQ	0.586	0.25	JB	0.177	N.D		0.16	0.5	J I B	0.036	0.83	J I B cn	0.036	1.4	J I B	0.08	N.D.	U	0.10	0.45	J B	0.073
1,2,3,7,8,9-HxCDF	N.D.		--	N.D.		0.123	1.09	JBQ	0.285	N.D.		0.12	0.97	J	0.048	N.D		0.096	0.76	J I cn	0.078	2.3	J I	0.24	N.D.	U	0.38	0.63	J I B	0.068
1,2,3,7,8-PeCDD	N.D.		--	0.309	JBQ	0.107	0.901	JBQ	0.551	1.03	JBQ	0.445	N.D		0.043	N.D		0.038	1.2	J I B cn	0.066	1.1	J I	0.22	N.D.	U	0.15	N.D.	U	0.11
1,2,3,7,8-PeCDF	N.D.		--	0.296	JBQ	0.0677	1.03	JBQ	0.345	0.466	JB	0.152	0.69	J I B	0.034	0.56	J I B	0.029	0.67	J I B cn	0.05	1.8	J I B	0.18	N.D.	U	0.28	0.42	J I B	0.050
2,3,4,6,7,8-HxCDF	N.D.		--	0.0806	JQ	0.066	0.417	JBQ	0.268	N.D.		0.1	0.25	J I B	0.030	N.D		0.089	0.77	J I cn	0.066	N.D		0.19	N.D.	U	0.33	0.23	J I B	0.059
2,3,4,7,8-PeCDF	N.D.		--	0.658	JBQ	0.0908	0.904	JBQ	0.342	0.551	JB	0.121	0.44	J I	0.040	0.63	J I B	0.021	0.15	J I cn	0.039	2.2	J I	0.15	1.3	J I B	0.20	0.42	J I B	0.036
2,3,7,8-TCDD	N.D.		--	0.194	JBQ	0.0818	N.D.		0.371	0.417	JQ	0.315	N.D		0.072	N.D		0.027	N.D	U cn	0.068	0.78	J I	0.14	N.D.	U	0.23	N.D.	U	0.12
2,3,7,8-TCDF	N.D.		--	N.D.		0.0697	0.507	JBQ	0.491	0.316	JQ	0.215	N.D		0.053	N.D		0.052	N.D	U cn	0.047	N.D		0.11	N.D.	U	0.22	N.D.	U	0.098
OCDD	N.D.		--	N.D.		0.0939	54.4	JB	0.697	N.D.		0.245	1.1	J I B	0.035	7	J B	0.12	3.1	J I B cn	0.08	13	J I B	0.7	8.2	J I	0.18	2.0	J I B	0.10
OCDF	N.D.		--	N.D.		0.0739	3.05	JBQ	0.296	N.D.		0.128	0.6	J I B	0.028	1.2	J B	0.037	1.8	J B cn	0.053	3.9	J	0.42	N.D.	U	0.17	0.81	J B	0.050
Total TCDD	N.D.		--	1.6	JBQ	0.234	1.94	JBQ	0.371	1.69	JBQ	0.315	0.82	J I B	0.037	0.76	J I B	0.027	N.D	U cn	0.068	0.78	J I	0.14	N.D.	U	0.44	N.D.	U	0.60
Total TCDF	N.D.		--	1.4	JBQ	0.215	2.1	JBQ	0.491	3.1	JBQ	0.215	0.52	J I	0.054	0.83	J I B	0.052	N.D	U cn	0.047	N.D		0.11	N.D.	U	0.65	N.D.	U	0.098
Total HpCDD	N.D.		--	2.7	JBQ	0.144	15.2	JBQ	0.434	1.1	JBQ	0.13	0.84	J I B	0.039	2.6	J I B	0.18	2.7	J B cn	0.12	4..5	J I B	0.53	2.9	J I	0.19	1.1	J B	0.12
Total HpCDF	N.D.		--	N.D.		0.124	4.03	JBQ	0.239	0.15	JBQ	0.0636	0.82	J I B	0.029	2.5	J I B	0.02	N.D	U cn	0.032	3.7	J I B	0.16	2.1	J I	0.15	1.1	J I B	0.035
Total HxCDD	N.D.		--	8.47	QB	---	17.1	JBQ	0.558	1.68	JBQ	0.188	1.6	J I B	0.043	3	J I B	0.037	1.4	J I B cn	0.036	4.9	J I B	0.08	0.74	J I B	0.11	1.3	J I B	0.088
Total HxCDF	N.D.		--	0.8	JBQ	0.185	5.49	JBQ	0.245	0.577	JBQ	0.107	2	J I B	0.031	N.D		0.096	3.3	J I B cn	0.071	4.8	J I B	0.2	N.D.	U	0.38	1.2	J I B	0.064
Total PeCDD	N.D.		--	1.5	JBQ	0.115	4.61	JBQ	0.551	3.72	JBQ	0.445	2.5	J I B	0.053	1.5	J I B	0.038	1.2	J I B cn	0.066	1.1	J I	0.22	N.D.	U	1.3	N.D.	U	0.11
Total PeCDF	N.D.		--	1.5	JBQ	0.0765	10.7	JBQ	0.343	2.83	JBQ	0.135	1.1	J I B	0.07	2.7	J I B	0.025	0.82	J I B cn	0.044	4.1	J I B	0.17	1.3	J I B	0.24	0.84	J I B	0.043
Total PCDD	N.D.		--	0.2	JBQ	0.0818	93.2	QB		8.19	QB		6.9	J I B	0.16	15	I B	0.08	8.4	I B cn	0.074	24	I B	0.33	12	I B	0.45	4.4	J I B	0.21
Total PCDF	N.D.		--	4	QB	---	25.4	QB		6.66	QB		5	J I B	0.072	7.2	J I B	0.046	5.9	I B cn	0.049	17	I B	0.21	3.4	J I B	0.32	4.0	J I B	0.058
Total PCDD/PCDF	N.D.		--	12.5	QB	---	119	QB		14.8	QB		12	J I B	0.044	22	I	0.063	16	I B cn	0.062	40	I B	0.27	15	I B	0.38	8.4	I B	0.13

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-08																													
Sampling Date	3/25/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/14/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	10.2	J	--	N.D.		0.087	0.92	JBQ	0.0609	0.38	JBQ	0.166	2.3	J I B	0.042	1.5	J I B	0.13	ND	U cn	0.47	3.5	J B	0.13	N.D.	U	0.92	1.0	J I	0.37
1,2,3,4,6,7,8-HpCDF	5.74	J	--	0.446	JQ	0.163	0.768	JBQ	0.239	0.949	JQ	0.118	0.98	J I B	0.031	1	J B	0.027	0.95	J I B cn	0.049	0.69	J I B	0.05	N.D.	U	0.062	N.D.	U	0.11
1,2,3,4,7,8,9-HpCDF	N.D.		--	0.876	JBQ	0.169	0.595	JBQ	0.266	0.825	JB	0.139	0.27	J I B	0.052	0.5	J I B	0.035	0.66	J I B cn	0.073	0.32	J I B	0.06	N.D.	U	0.088	N.D.	U	0.14
1,2,3,4,7,8-HxCDD	N.D.		--	0.417	JBQ	0.185	0.377	JBQ	0.0865	N.D.		0.155	N.D		0.038	N.D		0.021	0.99	J I cn	0.066	ND		0.05	N.D.	U	0.081	N.D.	U	0.36
1,2,3,4,7,8-HxCDF	N.D.		--	1.43	JBQ	0.204	0.232	JBQ	0.0552	0.414	JBQ	0.0946	0.11	J I B	0.034	N.D		0.11	0.58	J I cn	0.053	ND		0.23	N.D.	U	0.23	N.D.	U	0.51
1,2,3,6,7,8-HxCDD	N.D.		--	6.49	JBQ	0.198	0.275	JBQ	0.088	0.201	JQ	0.161	0.24	J I	0.050	N.D		0.02	0.55	J I cn	0.066	0.7	J I B	0.05	N.D.	U	0.094	N.D.	U	0.35
1,2,3,6,7,8-HxCDF	N.D.		--	40	B	0.138	0.151	JBQ	0.0588	0.295	JBQ	0.0935	0.36	J	0.037	N.D		0.11	ND	U cn	0.052	ND		-	N.D.	U	0.23	N.D.	U	0.49
1,2,3,7,8,9-HxCDD	N.D.		--	0.62	JQ	0.0718	0.145	JBQ	0.0794	0.192	JBQ	0.133	0.35	J	0.082	0.31	J I B	0.02	ND	U cn	0.071	1.2	J B	0.05	N.D.	U	0.094	N.D.	U	0.34
1,2,3,7,8,9-HxCDF	N.D.		--	0.909	JBQ	0.087	0.71	JBQ	0.0588	0.424	JBQ	0.102	0.38	J	0.057	N.D		0.12	0.32	J cn	0.058	1.3	J	0.25	N.D.	U	0.32	N.D.	U	0.59
1,2,3,7,8-PeCDD	N.D.		--	0.33	JBQ	0.091	0.244	JBQ	0.168	N.D.		0.329	N.D		0.051	0.46	J I B	0.15	ND	U cn	0.11	ND		0.12	N.D.	U	0.099	N.D.	U	0.12
1,2,3,7,8-PeCDF	N.D.		--	0.708	JBQ	0.103	0.669	JBQ	0.0726	0.611	JBQ	0.118	0.56	J I B	0.040	0.94	J I B	0.034	0.50	J I cn	0.077	ND		0.09	N.D.	U	0.077	N.D.	U	0.32
2,3,4,6,7,8-HxCDF	N.D.		--	0.877	JQ	0.106	0.343	JBQ	0.0541	0.276	JBQ	0.086	0.25	J I B	0.036	N.D		0.1	0.25	J I B cn	0.048	ND		0.21	N.D.	U	0.22	N.D.	U	0.52
2,3,4,7,8-PeCDF	N.D.		--	1.19	JBQ	0.135	0.393	JBQ	0.0584	0.54	JBQ	0.103	0.56	J I	0.05	N.D		0.028	ND	U cn	0.059	0.54	J I B	0.07	0.36	J B	0.060	N.D.	U	0.27
2,3,7,8-TCDD	N.D.		--	1.32	JBQ	0.139	N.D.		0.0552	0.334	JQ	0.205	N.D		0.12	N.D		0.083	ND	U cn	0.089	ND		0.06	N.D.	U	0.095	N.D.	U	0.094
2,3,7,8-TCDF	N.D.		--	4.56	J	0.0946	0.192	JBQ	0.0523	0.305	JQ	0.147	0.55	J I	0.062	N.D		0.048	ND	U cn	0.065	ND		0.06	N.D.	U	0.089	N.D.	U	0.093
OCDD	84.5	J	--	0.946	JBQ	0.127	4.46	JB	0.174	3.19	JBQ	0.211	9.2	J I B	0.062	8.9	J I B	0.16	3.4	J I B cn	0.15	15	J B	0.033	N.D.	U	0.17	3.4	J I	0.48
OCDF	32	J	--	16.5	JBQ	0.0938	1.77	JBQ	0.118	0.869	JBQ	0.15	4	J B	0.037	1.7	J I B	0.13	1.4	J B cn	0.094	4.3	J I B	0.09	1.0	J B	0.18	N.D.	U	0.32
Total TCDD	N.D.		--	1.96	QB	0.087	1.58	JBQ	0.0552	2.58	JBQ	0.205	2	J I B	0.044	N.D		0.083	ND	U cn	0.089	ND		0.06	N.D.	U	0.64	0.49	J	0.094
Total TCDF	N.D.		--	2.53	JBQ	0.163	0.942	JBQ	0.0523	0.695	JBQ	0.147	0.75	J I	0.058	0.57	J I B	0.048	ND	U cn	0.065	ND		0.06	0.23	J	0.089	ND	U	0.30
Total HpCDD	35.6		--	5.63	JBQ	0.186	1.83	JBQ	0.0609	0.823	JBQ	0.166	4.8	J I B	0.042	3	J I B	0.13	ND	U cn	0.47	7.6	J B	0.13	N.D.	U	0.92	1.0	J I	0.37
Total HpCDF	10.1		--	20.4	QB	0.198	17.5	JBQ	0.252	2.09	JBQ	0.127	1.2	J I B	0.033	2	J I B	0.031	1.6	J I B cn	0.061	1	J I B	0.06	N.D.	U	0.088	N.D.	U	0.61
Total HxCDD	N.D.		--	70.5	QB	---	3.19	JBQ	0.0846	2.98	JBQ	0.15	3.1	J I B	0.051	1.7	J I B	0.02	1.5	J I cn	0.068	1.9	J I B	0.05	N.D.	U	0.094	N.D.	U	0.36
Total HxCDF	1.93		--	0.741	JBQ	0.0718	1.8	JBQ	0.0567	1.52	JBQ	0.0941	1.3	J I B	0.038	0.49	J I B	0.11	1.2	J I B cn	0.053	1.3	J B	0.22	N.D.	U	0.32	N.D.	U	0.59
Total PeCDD	N.D.		--	3.05	JBQ	0.089	2.43	JBQ	0.168	2.95	JBQ	0.329	0.9	J I B	0.062	1	J I B	0.15	ND	U cn	0.11	ND		0.12	N.D.	U	0.099	N.D.	U	0.12
Total PeCDF	N.D.		--	6.61	JBQ	0.159	2.67	JBQ	0.0655	2.19	JBQ	0.111	1.5	J I B	0.071	1.8	J I B	0.031	0.5	J I cn	0.068	0.54		0.08	0.36	J B	0.069	N.D.	U	0.32
Total PCDD	N.D.		--	8.37	JBQ	0.157	13.5	QB		12.5	QB		20	J I B	0.082	15	I B	0.11	4.9	J I B cn	0.18	25	I B	0.14	N.D.	U	0.92	4.9	J I B	0.28
Total PCDF	N.D.		--	35.3	QB	---	24.7	QB		7.37	QB		8.8	J I B	0.120	6.6	J I B	0.052	4.7	J I B cn	0.068	7.1	I B	0.1	1.6	J B	0.15	N.D.	U	0.61
Total PCDD/PCDF	N.D.		--	106	QB	---	38.2	QB		19.9	QB		29	I B	0.053	N.D		0.081	9.6	I cn	0.12	32	I B	0.12	1.6	J B	0.53	N.D.	U	0.44

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
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5. U = Analyte was not detected.
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	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
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	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-09R																													
Sampling Date	3/25/2016			10/26/2017			10/24/2018			10/25/2019			10/14/2020			10/15/2021			10/27/2022			11/2/2023			8/28/2024			11/4/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																														
1,2,3,4,6,7,8-HpCDD	1.18	J	--	N.D.		0.0832	2.25	JBQ	0.128	4.19	JB	0.339	2.3	J B	0.038	2.5	J B	0.092	1.7	J I	0.17	7.4	J I B	0.24	N.D.	U	0.47	3.0	J	0.19
1,2,3,4,6,7,8-HpCDF	N.D.		--	1.53	J	0.135	0.69	JB	0.0533	0.961	JQ	0.173	0.73	J I B	0.028	1.1	J I B	0.051	0.34	J I B	0.041	1.9	J B	0.03	N.D.	U	0.048	0.42	J I	0.039
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.D.		0.161	0.277	JBQ	0.0611	0.574	JBQ	0.191	0.29	J I B	0.043	N.D		0.065	N.D	U	0.055	N.D		0.04	N.D.	U	0.071	0.27	J I	0.049
1,2,3,4,7,8-HxCDD	N.D.		--	0.895	JBQ	0.172	0.275	JBQ	0.112	0.371	JBQ	0.281	N.D		0.03	N.D		0.024	0.84	J I	0.054	N.D		0.04	N.D.	U	0.066	0.28	J I	0.041
1,2,3,4,7,8-HxCDF	N.D.		--	1.54	JBQ	0.185	0.283	JBQ	0.0637	N.D.		0.147	0.32	J I B	0.03	N.D		0.38	N.D	U	0.096	0.57	J I	0.07	N.D.	U	0.12	0.69	J I B	0.15
1,2,3,6,7,8-HxCDD	N.D.		--	2.2	JBQ	0.153	0.233	JBQ	0.109	0.298	JQ	0.295	N.D		0.041	0.83	J I B	0.025	N.D	U	0.051	N.D		0.04	N.D.	U	0.071	N.D.	U	0.041
1,2,3,6,7,8-HxCDF	N.D.		--	38.2	BQ	0.202	0.259	JBQ	0.0688	0.277	JBQ	0.149	0.31	J I	0.031	N.D		0.37	0.47	J B	0.093	N.D		-	N.D.	U	0.12	0.40	J I	0.15
1,2,3,7,8,9-HxCDD	N.D.		--	N.D.		0.0911	0.285	JBQ	0.0999	0.554	JBQ	0.25	N.D		0.064	0.42	J B	0.023	N.D	U	0.056	N.D		0.03	N.D.	U	0.068	0.44	J	0.039
1,2,3,7,8,9-HxCDF	N.D.		--	1.79	JBQ	0.08	0.79	JBQ	0.0679	0.448	JB	0.161	0.33	J	0.062	N.D		0.4	N.D	U	0.11	1	J I	0.08	N.D.	U	0.15	N.D.	U	0.18
1,2,3,7,8-PeCDD	N.D.		--	1.76	JBQ	0.0836	0.327	JBQ	0.174	1.75	JBQ	0.616	N.D		0.043	0.86	J I B	0.13	0.37	J	0.088	N.D		0.07	N.D.	U	0.11	0.33	J I B	0.085
1,2,3,7,8-PeCDF	N.D.		--	0.602	JBQ	0.0759	0.472	JBQ	0.0835	0.818	JBQ	0.202	1	J I B	0.031	0.76	J I B	0.026	0.77	J I	0.063	0.71	J I B	0.09	N.D.	U	0.064	0.33	J	0.072
2,3,4,6,7,8-HxCDF	N.D.		--	1.89	JQ	0.0732	0.252	JBQ	0.0669	0.561	JB	0.141	0.64	J I B	0.029	N.D		0.34	N.D	U	0.091	N.D		0.07	N.D.	U	0.11	N.D.	U	0.15
2,3,4,7,8-PeCDF	N.D.		--	2.55	JBQ	0.115	0.259	JBQ	0.0656	0.548	JBQ	0.167	0.32	J I	0.055	0.56	J I B	0.02	0.36	J I	0.047	N.D		0.07	0.63	J I B	0.047	0.35	J I	0.065
2,3,7,8-TCDD	N.D.		--	1.3	JBQ	0.121	N.D.		0.0517	N.D.		0.399	0.31	J I	0.1	0.21	J I B	0.06	N.D	U	0.079	0.21	J	0.05	N.D.	U	0.075	N.D.	U	0.048
2,3,7,8-TCDF	N.D.		--	1.14	J	0.0798	0.0693	JB	0.0675	N.D.		0.228	0.39	J	0.048	N.D		0.026	0.16	J I	0.054	N.D		0.05	N.D.	U	0.072	N.D.	U	0.047
OCDD	2.65	J	--	2.11	JBQ	0.101	132	B	0.243	220	B	0.422	100	J B	0.11	15	J B	0.33	4.3	J I B	0.086	170	B	0.35	10	J I	0.095	95	J	0.34
OCDF	N.D.		--	7.51	JB	0.1	13.2	JB	0.138	25.7	JBQ	0.375	9.7	J I B	0.028	2.9	J I B	0.094	N.D	U	0.1	18	J B	0.08	1.3	J I B	0.097	7.2	J I	0.20
Total TCDD	1.88		--	1.48	JBQ	0.0832	1.31	JBQ	0.0517	2.52	JBQ	0.399	1.7	J I B	0.039	0.38	J I B	0.06	N.D	U	0.079	0.21	J	0.05	N.D.	U	0.84	N.D.	U	0.72
Total TCDF	N.D.		--	2.72	JBQ	0.135	1.11	JBQ	0.0675	0.583	JBQ	0.228	0.99	J I	0.055	0.57	J I B	0.026	0.16	J I	0.054	N.D		0.61	N.D.	U	0.072	N.D.	U	0.19
Total HpCDD	2.65		--	5.64	JBQ	0.173	4.77	JBQ	0.128	4.19	JB	0.339	3.9	J I B	0.038	2.5	J B	0.092	1.7	J I	0.17	16	J I B	0.24	N.D.	U	0.47	3.0	J	0.19
Total HpCDF	N.D.		--	3.21	JBQ	0.153	1.56	JBQ	0.0569	2.08	JBQ	0.182	1	J I B	0.029	2.4	J I B	0.058	0.34	J I B	0.048	4.9	J B	0.03	N.D.	U	0.071	0.69	J I	0.044
Total HxCDD	N.D.		--	51.2	BQ	---	5.25	JBQ	0.107	4.89	JBQ	0.275	2.8	J I B	0.042	5	J I B	0.024	0.84	J I	0.053	2.6	J B	0.04	N.D.	U	0.071	1.7	J I	0.040
Total HxCDF	N.D.		--	0.449	JBQ	0.0911	2	JBQ	0.0668	1.8	JBQ	0.149	1.6	J I B	0.03	N.D		0.4	0.47	J I B	0.098	3.5	J I B	0.07	N.D.	U	0.15	1.1	J I B	0.16
Total PeCDD	N.D.		--	4.37	JBQ	0.0818	2.89	JBQ	0.174	7.52	JBQ	0.616	0.98	J I B	0.048	0.86	J I B	0.13	0.37	J I	0.088	ND		0.07	0.90	J	0.11	0.33	J I B	0.085
Total PeCDF	N.D.		--	6.55	JBQ	0.13	3.31	JBQ	0.0745	1.64	JBQ	0.185	2.6	J I B	0.071	3.5	J I B	0.023	1.1	J I	0.055	0.71	J I B	0.08	0.63	J I B	0.056	0.67	J I	0.068
Total PCDD	N.D.		--	3.3	JBQ	0.108	146	BQ		239	QB		110	I B	0.064	24	I B	0.13	7.2	I B	0.095	190	I B	0.15	11	I B	0.32	100	I B	0.27
Total PCDF	N.D.		--	22.2	BQ	---	21.1	BQ		31.8	QB		16	J I B	0.1	9.4	I B	0.12	2.1	J I B	0.071	27	I B	0.17	1.9	J I B	0.090	9.7	I B	0.13
Total PCDD/PCDF	N.D.		--	73.4	BQ	---	167	BQ		271	QB		130	I B	0.058	33	I B	0.12	9.3	I	0.083	220	I B	0.16	13	I B	0.20	110	I	0.20

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
6. Q = Estimated Maximum Possible Concentration.
7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
	Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.
	Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.
	Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.
	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2016-2025 Groundwater
Dioxin/Furan Analytical Results
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-10																														
Sampling Date	3/23/2016			10/27/2017			10/25/2018			10/25/2019			10/14/2020			10/21/2021			10/25/2022			11/1/2023			8/27/2024			10/31/2025		
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
Dioxins / Furans (Method 1613B) pg/L																															
1,2,3,4,6,7,8-HpCDD	N.D.		--	0.0513	JQ	0.051	3.03	JBQ	0.256	0.616	JBQ	0.21	4.6	J I B	0.075	3.2	J I B	0.49	ND	U	0.65	4.7	J I B	0.64	2.1	J I	0.41	1.6	J I B	0.041
1,2,3,4,6,7,8-HpCDF	N.D.		--	0.297	JQ	0.0862	0.596	JBQ	0.109	0.363	J	0.106	0.71	J I B	0.054	2	J I B	0.025	0.49	J I B	0.036	1.3	J I B	0.04	N.D.	U	0.11	1.0	J I B	0.016
1,2,3,4,7,8,9-HpCDF	N.D.		--	N.D.		0.146	1.31	JB	0.142	0.309	JBQ	0.162	0.78	J I B	0.079	1.3	J B	0.032	ND	U	0.043	0.71	J B	0.05	N.D.	U	0.17	1.1	J I B	0.020
1,2,3,4,7,8-HxCDD	N.D.		--	0.617	JB	0.146	1.02	JBQ	0.349	0.182	JBQ	0.136	N.D		0.059	0.88	J B	0.047	ND	U	0.054	0.78	J	0.04	N.D.	U	0.050	0.92	J B	0.012
1,2,3,4,7,8-HxCDF	N.D.		--	1.12	JBQ	0.169	0.775	JBQ	0.2	0.273	JBQ	0.0897	0.32	J I B	0.057	1.9	J I B	0.15	0.26	J I	0.076	1.1	J B	0.3	N.D.	U	0.21	0.93	J B	0.031
1,2,3,6,7,8-HxCDD	N.D.		--	17.9	B	0.247	0.839	JBQ	0.367	0.19	JQ	0.133	1.3	J I	0.083	1	J I B	0.049	ND	U	0.051	ND		0.04	0.20	J I	0.052	0.94	J B	0.012
1,2,3,6,7,8-HxCDF	N.D.		--	434	B	0.122	1.17	JBQ	0.195	0.355	JBQ	0.0909	0.45	J I	0.059	1.4	J I B	0.14	ND	U	0.07	ND		-	N.D.	U	0.21	0.87	J B	0.029
1,2,3,7,8,9-HxCDD	N.D.		--	0.279	JQ	0.0852	1.32	JB	0.359	N.D.		0.119	0.64	J I	0.130	0.77	J I B	0.047	ND	U	0.051	0.67	J B	0.04	0.42	J I B	0.055	0.99	J B	0.011
1,2,3,7,8,9-HxCDF	N.D.		--	0.477	JBQ	0.0518	1.91	JB	0.227	0.4	JBQ	0.0918	0.8	J I	0.130	1.2	J I B	0.16	0.3	J I	0.077	ND		0.39	0.78	J I	0.27	1.0	J I B	0.030
1,2,3,7,8-PeCDD	N.D.		--	0.253	JBQ	0.058	1.26	JBQ	0.527	N.D.		0.389	N.D		0.081	N.D		0.058	0.82	J I B	0.078	0.99	J I	0.07	N.D.	U	0.14	1.1	J I B	0.034
1,2,3,7,8-PeCDF	N.D.		--	0.0992	JBQ	0.0697	1.39	JBQ	0.273	0.61	JBQ	0.142	1.2	J I B	0.068	0.91	J B	0.13	ND	U	0.059	0.77	J I B	0.11	N.D.	U	0.10	0.67	J B	0.029
2,3,4,6,7,8-HxCDF	N.D.		--	0.406	JQ	0.0635	1.01	JB	0.229	0.413	JBQ	0.0902	0.71	J I B	0.059	1.7	J I B	0.1	ND	U	0.064	ND		0.29	N.D.	U	0.19	0.99	J B	0.028
2,3,4,7,8-PeCDF	N.D.		--	0.26	JBQ	0.0832	2.12	JBQ	0.249	0.35	JBQ	0.119	0.28	J I	0.100	1.1	J I B	0.11	ND	U	0.046	0.57	J I	0.09	N.D.	U	0.080	0.76	J B	0.022
2,3,7,8-TCDD	N.D.		--	0.171	JBQ	0.0946	0.528	JQ	0.363	N.D.		0.272	N.D		0.13	N.D		0.064	ND	U	0.1	2.3	J	0.1	N.D.	U	0.056	0.097	J	0.037
2,3,7,8-TCDF	N.D.		--	3.57	JQ	0.0684	N.D.		0.31	N.D.		0.111	N.D		0.087	N.D		0.057	ND	U	0.078	ND		0.08	N.D.	U	0.054	0.18	J I	0.015
OCDD	725		--	0.159	JBQ	0.0922	24.8	JB	0.582	9.76	JB	0.271	120	B	0.140	16	J B	0.27	43	J B	0.16	84	J B	0.6	11	J	0.48	11	J B	0.040
OCDF	20	J	--	10.6	JB	0.0431	2.33	JBQ	0.305	1.23	JBQ	0.221	2.7	J I B	0.054	2.8	J I B	0.11	ND	U	0.079	4.7	J I	0.27	N.D.	U	0.29	2.5	J B	0.0079
Total TCDD	N.D.		--	0.704	JBQ	0.051	2.35	JBQ	0.363	N.D.		0.272	N.D		0.075	1.4	J I B	0.064	ND	U	0.1	2.7	J	0.1	N.D.	U	0.56	0.22	J	0.037
Total TCDF	N.D.		--	0.806	JBQ	0.0862	1.52 B	JBQ	0.31	0.21	JB	0.111	0.7	J I	0.093	2.8	J I B	0.057	ND	U	0.078	0.24	J	0.08	N.D.	U	0.21	0.39	J I B	0.015
Total HpCDD	83.4		--	5.38	JBQ	0.152	5.72	JBQ	0.256	0.9	JBQ	0.21	4.6	J I B	0.075	3.2	J I B	0.49	ND	U	0.65	4.7	J I B	0.64	2.1	J I	0.41	1.6	J I B	0.041
Total HpCDF	12.5		--	44	QB	0.247	2.42	JBQ	0.124	1.23	JBQ	0.127	1.5	J I B	0.056	4.3	J I B	0.028	0.49	J I B	0.039	2	J I B	0.05	N.D.	U	0.17	2.3	J I B	0.018
Total HxCDD	8.23		--	485	QB	---	7.5	JBQ	0.358	1.72	JBQ	0.129	5.2	J I B	0.081	6.6	J I B	0.048	ND	U	0.052	1.4	J B	0.04	0.86	J I B	0.052	2.8	J B	0.012
Total HxCDF	N.D.		--	0.972	JBQ	0.0852	5.38	JBQ	0.211	1.46	JBQ	0.0907	2.3	J I B	0.061	6.8	J I B	0.15	0.56	J I B	0.072	1.1	J B	0.32	0.78	J I	0.22	3.8	J I B	0.029
Total PeCDD	N.D.		--	2.4	JBQ	0.0549	5.02	JBQ	0.527	1.71	JBQ	0.389	2.1	J I B	0.087	3.1	J I B	0.058	0.82	J I B	0.078	0.99	J I	0.07	N.D.	U	0.14	1.1	J I B	0.034
Total PeCDF	N.D.		--	4.23	JBQ	0.105	9.34	JBQ	0.261	1.39	JBQ	0.131	1.5	J I B	0.110	4.5	J I B	0.12	ND	U	0.059	1.7	J I B	0.1	N.D.	U	0.42	1.4	J B	0.026
Total PCDD	N.D.		--	7.09	JBQ	0.107	45.4	BQ		14.1	QB		130	I B	0.130	30	I B	0.19	44	I B	0.21	94	I B	0.29	14	I B	0.33	17	I B	0.033
Total PCDF	N.D.		--	25.3	QB	---	21	BQ		5.53	QB		8.7	J I B	0.130	21	I B	0.093	1.1	J I B	0.065	9.7	I B	0.16	0.78	J I B	0.26	10	I B	0.019
Total PCDD/PCDF	N.D.		--	510	QB	---	66.4	BQ		19.6	QB		140	I B	0.120	51	I B	0.14	45	I B	0.14	100	I B	0.23	15	I B	0.29	26	I B	0.026

Notes
1. N.S. = No sample. A groundwater sample could not be obtained from the monitoring well.
2. N.D. = Not Detected.
3. J = Estimated concentration between Estimated Detection Limit and Minimum Reporting Level.
4. R = Relative Percent Recovery < data level rejection, reported result is unusable.
5. U = Analyte was not detected.
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7. B = Detected in Method Blank.
8. I = Value is EMPC (estimated maximum possible concentration)
9. cn = Refer to Case Narrative for further detail
10. pg/L = picograms per liter

	Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.
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	Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.
N.D.	Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2024 Groundwater Dioxin/Furan Analytical Results Method Blank Validation
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01			MW-02			MW-03			MW-04R			MW-05R			MW-06			MW-07			MW-08			MW-09R			MW-10			EB-20240828			Applicable Method Blank August 2024						
Sampling Date	8/28/2024			8/28/2024			8/27/2024			8/28/2024			8/28/2024			8/27/2024			8/27/2024			8/28/2024			8/28/2024			8/27/2024			8/28/2024			MB 410-548802/1-A PREP BATCH 548802 / ANALYSIS BATCH 551712						
Matrix	Water			Water			Water			Water			Water			Water			Water			Water			Water			Water			Water			Results	Q	RL	EDL	3Xresult	5Xresult
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL						
Dioxins / Furans (Method 1613B) pg/L																																							
1,2,3,4,6,7,8-HpCDD	1.1	J	0.38	N.D.	U	0.38	13	J1	0.088	N.D.	U	0.18	N.D.	U	0.82	1.1	J	0.14	2.9	J1	0.19	N.D.	U	0.92	N.D.	U	0.47	2.1	J1	0.41	1.2	J1	0.34	1,2,3,4,6,7,8-HpCDD	-----	-----	-----	-----	-----	-----
1,2,3,4,6,7,8-HpCDF	N.D.	U	0.042	N.D.	U	0.042	N.D.	U	0.060	0.57	J	0.058	N.D.	U	0.060	0.46	J	0.090	0.76	J1	0.12	N.D.	U	0.062	N.D.	U	0.048	N.D.	U	0.11	0.15	J1	0.045	1,2,3,4,6,7,8-HpCDF	-----	-----	-----	-----	-----	-----
1,2,3,4,7,8,9-HpCDF	N.D.	U	0.058	N.D.	U	0.058	N.D.	U	0.079	N.D.	U	0.078	N.D.	U	0.082	N.D.	U	0.13	1.3	J1	0.17	N.D.	U	0.068	N.D.	U	0.071	N.D.	U	0.17	N.D.	U	0.061	1,2,3,4,7,8,9-HpCDF	ND		25	0.073	-----	-----
1,2,3,4,7,8-HxCDD	N.D.	U	0.040	N.D.	U	0.040	N.D.	U	0.11	N.D.	U	0.080	N.D.	U	0.057	N.D.	U	0.080	N.D.	U	0.12	N.D.	U	0.061	N.D.	U	0.066	N.D.	U	0.059	N.D.	U	0.039	1,2,3,4,7,8-HxCDD	-----	-----	-----	-----	-----	-----
1,2,3,4,7,8-HxCDF	N.D.	U	0.11	N.D.	U	0.11	N.D.	U	0.082	0.22	J1	0.080	N.D.	U	0.16	N.D.	U	0.19	N.D.	U	0.37	N.D.	U	0.23	N.D.	U	0.12	N.D.	U	0.21	N.D.	U	0.14	1,2,3,4,7,8-HxCDF	ND		25	0.16	-----	-----
1,2,3,6,7,8-HxCDD	0.32	J1	0.044	0.32	J1	0.044	N.D.	U	0.097	N.D.	U	0.070	N.D.	U	0.060	N.D.	U	0.086	0.74	J1	0.11	N.D.	U	0.064	N.D.	U	0.071	0.20	J1	0.052	N.D.	U	0.044	1,2,3,6,7,8-HxCDD	ND		25	0.098	-----	-----
1,2,3,6,7,8-HxCDF	N.D.	U	0.11	N.D.	U	0.11	N.D.	U	0.080	N.D.	U	0.062	N.D.	U	0.12	N.D.	U	0.20	N.D.	U	0.36	N.D.	U	0.23	N.D.	U	0.12	N.D.	U	0.21	N.D.	U	0.14	1,2,3,6,7,8-HxCDF	ND		25	0.17	-----	-----
1,2,3,7,8,9-HxCDD	N.D.	U	0.045	N.D.	U	0.045	0.56	J8	0.096	0.34	J1 B	0.063	0.68	J1 B	0.062	N.D.	U	0.088	N.D.	U	0.10	N.D.	U	0.094	N.D.	U	0.068	0.42	J1 B	0.055	N.D.	U	0.044	1,2,3,7,8,9-HxCDD	0.415	J1	25	0.098	1.2	2.1
1,2,3,7,8,9-HxCDF	N.D.	U	0.15	N.D.	U	0.15	0.37	J1	0.088	N.D.	U	0.082	N.D.	U	0.20	N.D.	U	0.24	N.D.	U	0.38	N.D.	U	0.32	N.D.	U	0.15	0.78	J1	0.27	N.D.	U	0.18	1,2,3,7,8,9-HxCDF	ND		25	0.2	-----	-----
1,2,3,7,8-PeCDD	N.D.	U	0.071	N.D.	U	0.071	N.D.	U	0.12	N.D.	U	0.13	N.D.	U	0.090	N.D.	U	0.12	N.D.	U	0.15	N.D.	U	0.099	N.D.	U	0.11	N.D.	U	0.14	N.D.	U	0.14	1,2,3,7,8-PeCDD	ND		25	0.13	-----	-----
1,2,3,7,8-PeCDF	N.D.	U	0.074	N.D.	U	0.074	N.D.	U	0.080	N.D.	U	0.11	N.D.	U	0.068	N.D.	U	0.092	N.D.	U	0.28	N.D.	U	0.077	N.D.	U	0.064	N.D.	U	0.10	N.D.	U	0.068	1,2,3,7,8-PeCDF	0.482	J1	25	0.2	1.4	2.4
2,3,4,6,7,8-HxCDF	N.D.	U	0.11	N.D.	U	0.11	N.D.	U	0.072	0.35	J1	0.075	N.D.	U	0.15	N.D.	U	0.18	N.D.	U	0.33	N.D.	U	0.22	N.D.	U	0.11	N.D.	U	0.19	N.D.	U	0.13	2,3,4,6,7,8-HxCDF	ND		25	0.15	-----	-----
2,3,4,7,8-PeCDF	N.D.	U	0.058	N.D.	U	0.058	N.D.	U	0.066	0.29	J1 B	0.060	N.D.	U	0.054	N.D.	U	0.072	N.D.	U	0.22	N.D.	U	0.072	N.D.	U	0.072	N.D.	U	0.060	N.D.	U	0.055	2,3,4,7,8-PeCDF	0.606	J1	25	0.15	1.8	3.0
2,3,7,8-TCDD	N.D.	U	0.065	N.D.	U	0.065	N.D.	U	0.14	N.D.	U	0.13	0.32	J	0.11	N.D.	U	0.058	N.D.	U	0.23	N.D.	U	0.095	N.D.	U	0.075	N.D.	U	0.056	N.D.	U	0.059	2,3,7,8-TCDD	ND		4.0	0.087	-----	-----
2,3,7,8-TCDF	N.D.	U	0.064	N.D.	U	0.064	N.D.	U	0.13	N.D.	U	0.12	N.D.	U	0.079	N.D.	U	0.057	N.D.	U	0.22	N.D.	U	0.089	N.D.	U	0.072	N.D.	U	0.054	N.D.	U	0.058	2,3,7,8-TCDF	ND		5.0	0.053	-----	-----
OCDD	28	J	0.079	28	J	0.079	N.D.	U	0.12	3.5	J	0.16	10	J	0.12	2.2	J1	0.070	8.2	J1	0.18	N.D.	U	0.17	10	J1	0.095	11	J	0.48	1.3	J1	0.12	OCDD	ND		110	0.1	-----	-----
OCDF	0.39	J B	0.063	0.39	J B	0.063	0.49	J1 B	0.12	N.D.	U	0.11	1.6	J B	0.16	0.31	J1 B	0.074	N.D.	U	0.17	1.0	J B	0.18	1.3	J1 B	0.099	N.D.	U	0.29	0.49	J1 B	0.12	OCDF	0.468	J1	50	0.072	1.4	2.3
Total TCDD	N.D.	U	0.51	N.D.	U	0.51	N.D.	U	0.65	N.D.	U	0.45	0.32	J	0.11	N.D.	U	0.66	N.D.	U	0.44	N.D.	U	0.64	N.D.	U	0.84	N.D.	U	0.56	N.D.	U	0.17	Total TCDD	ND		5	0.087	-----	-----
Total TCDF	N.D.	U	0.064	N.D.	U	0.064	N.D.	U	0.33	N.D.	U	0.57	0.35	J	0.079	ND	U	0.057	N.D.	U	0.85	0.23	J	0.089	N.D.	U	0.072	N.D.	U	0.21	N.D.	U	0.20	Total TCDF	ND		5	0.15	-----	-----
Total HpCDD	N.D.	U	0.38	N.D.	U	0.38	1.3	J1	0.088	N.D.	U	0.18	N.D.	U	0.82	1.1	J	0.14	2.9	J1	0.19	N.D.	U	0.92	N.D.	U	0.47	2.1	J1	0.41	1.2	J1	0.34	Total HpCDD	ND		25	0.46	-----	-----
Total HpCDF	N.D.	U	0.058	N.D.	U	0.058	N.D.	U	0.079	0.57	J	0.068	N.D.	U	0.082	0.46	J	0.11	2.1	J1	0.15	N.D.	U	0.068	N.D.	U	0.071	N.D.	U	0.17	0.15	J1	0.053	Total HpCDF	ND		25	0.28	-----	-----
Total HxCDD	0.72	J1 B	0.043	0.72	J1 B	0.043	0.94	J1	0.10	0.54	J1 B	0.074	0.55	J1 B	0.060	0.31	J1 B	0.085	0.74	J1 B	0.13	N.D.	U	0.064	N.D.	U	0.071	0.58	J1 B	0.062	0.31	J1 B	0.042	Total HxCDD	0.415	J1	25	0.095	1.2	2.1
Total HxCDF	N.D.	U	0.15	N.D.	U	0.15	0.37	J1	0.081	0.58	J1	0.079	N.D.	U	0.20	N.D.	U	0.24	N.D.	U	0.38	N.D.	U	0.32	N.D.	U	0.15	0.78	J1	0.22	N.D.	U	0.62	Total HxCDF	ND		25	0.2	-----	-----
Total PeCDD	N.D.	U	0.071	N.D.	U	0.071	N.D.	U	0.57	N.D.	U	0.62	N.D.	U	0.090	N.D.	U	0.81	N.D.	U	1.3	N.D.	U	0.099	0.90	J	0.11	N.D.	U	0.14	N.D.	U	0.14	Total PeCDD	ND		25	1.3	-----	-----
Total PeCDF	N.D.	U	0.28	N.D.	U	0.28	N.D.	U	0.87	0.20	J1 B	0.098	0.70	J1 B	0.061	N.D.	U	0.22	1.3	J1 B	0.24	0.36	J B	0.069	0.63	J1 B	0.056	N.D.	U	0.42	N.D.	U	0.37	Total PeCDF	1.09	J1	25	0.17	3.3	5.5
Total PCDD	2.1	J B	0.22	2.1	J B	0.22	3.9	J1	0.31	1.7	J1 B	0.14	1.7	J B	0.14	1.1	J B	0.16	2.9	J B	0.24	N.D.	U	0.22	3.1	J B	0.24	3.4	J B	0.33	2.2	J1 B	0.18	Total PCDD	0.415	J1	5	0.4	1.2	2.1
Total PCDF	0.39	J B	0.13	0.39	J B	0.13	0.85	J1 B	0.25	1.4	J1 B	0.18	2.6	J1 B	0.12	0.77	J1 B	0.14	3.4	J1 B	0.32	1.6	J B	0.15	1.9	J1 B	0.090	0.76	J1 B	0.20	0.44	J1 B	0.25	Total PCDF	1.56	J1	5	0.17	4.7	7.8
Total PCDD/PCDF	28	I B	0.17	28	I B	0.17	2.7	J1 B	0.28	5.2	I B	0.26	14	I B	0.18	4.3	J1 B	0.25	15	I B	0.38	1.6	I B	0.53	13	I B	0.20	15	I B	0.29	3.3	J1 B	0.21	Total PCDD/PCDF	1.98	J1	5	0.29	5.9	9.9

Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration, Substance is not considered present in groundwater sample.

Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.

Substance reported at a concentration greater than 5Xs the concentration reported in laboratory blank method and are considered as valid data.

Substance reported at a concentration between 3Xs and 5Xs greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.

Substance reported at a concentration less than 3Xs the concentration reported in laboratory blank method and are considered as data that is not valid.

N.D. Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2025 Groundwater Dioxin/Furan Analytical Results Method Blank Validation
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

Client ID	MW-01				MW-02				MW-03				MW-05R				MW-06				MW-07				MW-10			
Sampling Date	10/31/2025				10/31/2025				10/31/2025				10/31/2025				10/31/2025				10/31/2025				10/31/2025			
Matrix	Water				Water				Water				Water				Water				Water				Water			
	Result	Q	MDL		Result	Q	MDL		Result	Q	MDL		Result	Q	MDL		Result	Q	MDL		Result	Q	MDL		Result	Q	MDL	
Dioxins / Furans (Method 1613B) pg/L																												
1,2,3,4,6,7,8-HpCDD	0.975	J	0.759	1.7	J	0.245	0.79	J	0.569	30		0.56	1.4	J	0.153	1.3	J	0.12	2.6	J	0.241	1,2,3,4,6,7,8-HpCDD	4.63	J	25	0.089	13.9	23.2
1,2,3,4,6,7,8-HpCDF	0.25	J	0.0532	0.23	J	0.031	N.D.	U	0.054	2.4	J	0.32	0.48	J	0.013	0.54	J	0.031	1.0	J	0.016	1,2,3,4,6,7,8-HpCDF	2.34	J	25	0.03	7.0	11.7
1,2,3,4,7,8,9-HpCDF	N.D.	U	0.0693	0.22	J	0.042	N.D.	U	0.053	1.7	J	0.31	0.63	J	0.019	0.42	J	0.026	0.9	J	0.023	1,2,3,4,7,8,9-HpCDF	1.60	J	25	0.038	4.8	8.0
1,2,3,4,7,8-HxCDD	N.D.	U	0.042	N.D.	U	0.067	N.D.	U	0.059	4.2	J	0.13	0.19	J	0.037	0.16	J	0.027	0.22	J	0.032	1,2,3,4,7,8-HxCDD	0.967	J	25	0.018	2.9	4.8
1,2,3,4,7,8-HxCDF	N.D.	U	0.054	0.26	J	0.028	N.D.	U	0.047	0.9	J	0.12	0.51	J	0.013	N.D.	U	0.047	0.93	J	0.031	1,2,3,4,7,8-HxCDF	1.28	J	25	0.062	3.8	6.4
1,2,3,6,7,8-HxCDD	N.D.	U	0.052	0.29	J	0.031	0.15	J	0.059	N.D.	U	0.13	0.51	J	0.018	0.497	J	0.031	0.47	J	0.028	1,2,3,6,7,8-HxCDD	1.04	J	25	0.019	3.1	5.2
1,2,3,6,7,8-HxCDF	N.D.	U	0.051	0.26	J	0.026	N.D.	U	0.04	2.5	J	0.30	N.D.	U	0.011	0.40	J	0.061	0.87	J	0.029	1,2,3,6,7,8-HxCDF	1.53	J	25	0.62	4.6	7.7
1,2,3,7,8,9-HxCDD	0.15	J	0.129	0.47	J	0.039	0.27	J	0.115	4.5	J	0.12	0.57	J	0.028	0.45	J	0.023	0.99	J	0.031	1,2,3,7,8,9-HxCDD	1.07	J	25	0.068	3.2	5.4
1,2,3,7,8,9-HxCDF	N.D.	U	0.056	0.63	J	0.029	0.35	J	0.043	3.6	J	0.21	1.0	J	0.035	0.83	J	0.055	2.0	J	0.030	1,2,3,7,8,9-HxCDF	1.42	J	25	0.068	4.3	7.1
1,2,3,7,8-PeCDD	N.D.	U	0.045	0.20	J	0.017	N.D.	U	0.017	1.1	J	0.14	0.20	J	0.008	0.15	J	0.015	0.31	J	0.018	1,2,3,7,8-PeCDD	0.868	J	25	0.45	2.6	4.3
1,2,3,7,8-PeCDF	N.D.	U	0.060	0.36	J	0.018	N.D.	U	0.021	2.3	J	0.26	N.D.	U	0.044	0.42	J	0.050	0.67	J	0.029	1,2,3,7,8-PeCDF	0.746	J	25	0.047	2.2	3.7
2,3,4,6,7,8-HxCDF	0.24	J	0.168	0.36	J	0.025	0.23	J	0.043	2.1	J	0.13	0.65	J	0.029	0.23	J	0.058	0.59	J	0.029	2,3,4,6,7,8-HxCDF	1.18	J	25	0.58	3.5	5.9
2,3,4,7,8-PeCDF	N.D.	U	0.044	0.27	J	0.014	N.D.	U	0.017	N.D.	U	0.27	0.49	J	0.036	0.42	J	0.026	0.45	J	0.022	2,3,4,7,8-PeCDF	0.727	J	25	0.05	2.6	3.6
2,3,7,8-TCDD	N.D.	U	0.034	N.D.	U	0.022	N.D.	U	0.042	N.D.	U	0.8	N.D.	U	0.004	N.D.	U	0.12	0.097	J	0.037	2,3,7,8-TCDD	ND		4.0	0.13	----	----
2,3,7,8-TCDF	N.D.	U	0.038	N.D.	U	0.054	N.D.	U	0.053	4.7	J	0.29	N.D.	U	0.017	N.D.	U	0.049	0.18	J	0.015	2,3,7,8-TCDF	ND		5.0	0.049	----	----
OCDD	5.2	J	0.503	17	J	0.099	1.3	J	0.825	79	J	0.55	5.2	J	0.106	2.0	J	0.10	11	J	0.040	OCDD	25.6	J	110	0.13	76.8	128.0
OCDF	N.D.	U	0.048	1.3	J	0.118	0.63	J	0.0830	7.5	J	0.26	0.72	J	0.021	0.81	J	0.056	2.5	J	0.0979	OCDF	5.21	J	50	0.043	15.6	26.1
Total TCDD	N.D.	U	0.47	N.D.	U	0.022	N.D.	U	0.048	N.D.	U	0.8	N.D.	U	0.004	N.D.	U	0.99	0.22	J	0.037	Total TCDD	ND		5.0	0.13	----	----
Total TCDF	N.D.	U	0.16	0.60	J	0.054	N.D.	U	0.053	9.1	J	0.29	0.54	J	0.017	N.D.	U	0.58	0.56	J	0.015	Total TCDF	0.0635	J	5.0	0.049	0.2	0.3
Total HpCDD	0.95	J	0.759	1.7	J	0.245	0.79	J	0.569	30		0.56	1.5	J	0.153	1.3	J	0.12	2.6	J	0.241	Total HpCDD	4.63	J	25	0.089	13.9	23.2
Total HpCDF	0.25	J	0.0532	0.79	J	0.035	0.29	J	0.067	4.9	J	0.36	1.3	J	0.014	1.3	J	0.035	2.3	J	0.018	Total HpCDF	5.24	J	25	0.034	15.7	26.2
Total HxCDD	0.15	J	0.129	2.3	J	0.100	0.52	J	0.115	8.1	J	0.33	0.77	J	0.028	0.61	J	0.023	1.3	J	0.032	Total HxCDD	3.77	J	25	0.018	11.3	18.9
Total HxCDF	0.24	J	0.168	3.5	J	0.027	0.54	J	0.043	17	J	0.70	2.2	J	0.022	1.2	J	0.058	3.6	J	0.029	Total HxCDF	5.76	J	25	0.063	17.3	28.8
Total PeCDD	N.D.	U	0.045	0.20	J	0.017	N.D.	U	0.017	N.D.	U	0.27	0.49	J	0.036	0.42	J	0.026	0.45	J	0.022	Total PeCDD	1.11	J	25	0.045	3.3	5.6
Total PeCDF	N.D.	U	0.116	0.83	J	0.018	0.27	J	0.035	4.9	J	0.31	0.50	J	0.009	0.84	J	0.043	1.4	J	0.026	Total PeCDF	1.47	J	25	0.042	4.4	7.4
Total PCDD	1.1	J	0.804	3.7	J	0.445	1.6	J	0.838	42	J	0.48	2.3	J	0.181	2.4	J	0.151	4.2	J	0.213	Total PCDD	35.1	J	5.0	0.084	105.3	175.5
Total PCDF	0.49	J	0.224	4.3	J	0.030	1.7	J	0.055	42	J	0.29	5.8	J	0.025	4.0	J	0.058	10	J	0.030	Total PCDF	17.7	J	5.0	0.05	53.1	88.5
Total PCDD/PCDF	1.6	J	1.0	8.0	J	0.475	3.3	J	0.893	84	J	0.77	8.1	J	0.206	6.4	J	0.209	14	J	0.243	Total PCDD/PCDF	52.8	J	5.0	0.065	158.4	264.0

Client ID	MW-04R				MW-08				MW-09R				Equipment Blank			
Sampling Date	8/28/2024				8/28/2024				8/28/2024				8/29/2024			
Matrix	Water				Water				Water				Water			
	Result	Q	MDL		Result	Q	MDL		Result	Q	MDL		Result	Q	MDL	
1,2,3,4,6,7,8-HpCDD	23	J1	3.7		1.5	J1	0.37		3.3	J1	0.19		5.9	J1	0.73	
1,2,3,4,6,7,8-HpCDF	3.4	J1	0.25		0.42	J1	0.033		0.49	J1	0.029		3.4	J1	0.25	
1,2,3,4,7,8,9-HpCDF	N.D.	U	2.0		N.D.	U	0.14		0.27	J1	0.049		N.D.	U	0.31	
1,2,3,4,7,8-HxCDD	N.D.	U	1.2		N.D.	U	0.36		0.28	J1	0.041		N.D.	U	0.22	
1,2,3,4,7,8-HxCDF	N.D.	U	1.5		N.D.	U	0.61		0.69	J1B	0.15		N.D.	U	0.16	
1,2,3,6,7,8-HxCDD	N.D.	U	1.2		N.D.	U	0.36		N.D.	U	0.071		N.D.	U	0.21	
1,2,3,6,7,8-HxCDF	N.D.	U	3.6		N.D.	U	0.46		0.40	J1	0.15		N.D.	U	0.16	
1,2,3,7,8,9-HxCDD	N.D.	U	1.3		N.D.	U	0.36		0.44	J	0.039		N.D.	U	0.22	
1,2,3,7,8,9-HxCDF	N.D.	U	3.8		N.D.	U	0.58		N.D.	U	0.18		N.D.	U	0.16	
1,2,3,7,8-PeCDD	N.D.	U	1.3		N.D.	U	0.32		N.D.	U	0.11		N.D.	U	0.13	
1,2,3,7,8-PeCDF	N.D.	U	3.70		N.D.	U	0.37		0.33	J	0.072		N.D.	U	0.099	
2,3,4,6,7,8-HxCDF	N.D.	U	3.4		N.D.	U	0.32		N.D.	U	0.11		N.D.	U	0.14	
2,3,4,7,8-PeCDF	N.D.	U	2.9		N.D.	U	0.29		0.065	J1	0.028		N.D.	U	0.041	
2,3,7,8-TCDD	N.D.	U	1.4		N.D.	U	0.004		N.D.	U	0.048		N.D.	U	0.16	
2,3,7,8-TCDF	N.D.	U	0.87		N.D.	U	0.043		N.D.	U	0.047		N.D.	U	0.11	
OCDD	330	J	5.3		3.4	J1	0.48		96	J	0.34		40	J	0.54	
OCDF	3.4	J	1.8		N.D.	U	0.30		7.2	J	0.20		4.6	J	0.40	
Total TCDD	0.49	J	0.094		N.D.	U	0.72		N.D.	U	0.15		N.D.	U	0.17	
Total TCDF	ND	U	0.36		N.D.	U	0.19		N.D.	U	0.12		N.D.	U	0.16	
Total HpCDD	23	J1	3.7		1.5	J1	0.37		3.3	J1	0.19		5.9	J1	0.73	
Total HpCDF	4.8	J	1.8		N.D.	U	0.045		0.69	J1	0.044		6.8	J1	0.28	
Total HxCDD	N.D.	U	1.5		N.D.	U	0.36		1.7	J1	0.040		N.D.	U	1.1	
Total HxCDF	N.D.	U	1.5		N.D.	U	0.61		1.1	J1B	0.16		N.D.	U	2.4	
Total PeCDD	N.D.	U	1.3		N.D.	U	0.32		0.73	J1B	0.095		N.D.	U	0.27	
Total PeCDF	N.D.	U	9.5		N.D.	U	0.37		0.67	J1	0.068		N.D.	U	0.84	
Total PCDD	353	J	5.4		4.9	J1	0.48		100	J	0.34		46	J	0.54	
Total PCDF	8.2	J	2.8		0.42	J1	0.30		9.7	J	0.20		11	J	0.83	
Total PCDD/PCDF	361	J	5.1		5.3	J1	0.20		110	J	0.20		57	J	0.77	

Applicable Method Blank October 2025 MB 410-734036/1-A PREP BATCH 734036 / ANALYSIS BATCH 734771					
	Results	Q	RL	EDL	10xresult	5Xresult
1,2,3,4,6,7,8-HpCDD	4.63	J	25	0.089	13.9	23.2
1,2,3,4,6,7,8-HpCDF	2.34	J	25	0.03	7.0	11.7
1,2,3,4,7,8,9-HpCDF	1.60	J	25	0.038	4.8	8.0
1,2,3,4,7,8-HxCDD	0.967	J	25	0.018	2.9	4.8
1,2,3,4,7,8-HxCDF	1.28	J	25	0.062	3.8	6.4
1,2,3,6,7,8-HxCDD	1.04	J1	25	0.019	3.1	5.2
1,2,3,6,7,8-HxCDF	1.53	J1	25	0.62	4.6	7.7
1,2,3,7,8,9-HxCDD	1.07	J1	25	0.068	3.2	5.4
1,2,3,7,8,9-HxCDF	1.42	J1	25	0.068	4.3	7.1
1,2,3,7,8-PeCDD	0.868	J	25	0.45	2.6	4.3
1,2,3,7,8-PeCDF	0.746	J1	25	0.047	2.2	3.7
2,3,4,6,7,8-HxCDF	1.18	J1	25	0.58	3.5	5.9
2,3,4,7,8-PeCDF	0.727	J1	25	0.036	2.2	3.6
2,3,7,8-TCDD	ND		4.0	0.13	----	----
2,3,7,8-TCDF	ND		5.0	0.049	----	----
OCDD	25.6	J	110	0.13	76.8	128.0
OCDF	5.21	J	50	0.043	15.6	26.1
Total TCDD	ND		5.0	0.13	----	----
Total TCDF	0.0635	J	5.0	0.049	0.2	0.3
Total HpCDD	4.63	J	25	0.089	13.9	23.2
Total HpCDF	5.24	J	25	0.034	15.7	26.2
Total HxCDD	3.77	J1	25	0.018	11.3	18.9
Total HxCDF	5.76	J1	25	0.063	17.3	28.8
Total PeCDD	1.11	J	25	0.045	3.3	5.6
Total PeCDF	1.47	J	25	0.042	4.4	7.4
Total PCDD	35.1	J	5.0	0.084	105.3	175.5
Total PCDF	17.7	J	5.0	0.05	53.1	88.5
Total PCDD/PCDF	52.8	J	5.0	0.065	158.4	264.0

Applicable Method Blank November 2025 MB 410-733277/1-A PREP BATCH 733277 / ANALYSIS BATCH 733317					
	Results	Q	RL	EDL	10xresult	5Xresult
1,2,3,4,6,7,8-HpCDD	ND		25	0.32	----	----
1,2,3,4,6,7,8-HpCDF	ND		25	0.094	----	----
1,2,3,4,7,8,9-HpCDF	ND		25	0.11	----	----
1,2,3,4,7,8-HxCDD	ND		25	0.095	----	----
1,2,3,4,7,8-HxCDF	ND		25	0.048	----	----
1,2,3,6,7,8-HxCDD	ND		25	0.067	----	----
1,2,3,6,7,8-HxCDF	0.247	J1	25	0.052	0.7	1.2
1,2,3,7,8,9-HxCDD	ND		25	0.059	----	----
1,2,3,7,8,9-HxCDF	ND		25	0.059	----	----
1,2,3,7,8-PeCDD	0.428	J1	25	0.044	1.3	2.1
1,2,3,7,8-PeCDF	ND		25	0.071	----	----
2,3,4,6,7,8-HxCDF	ND		25	0.051	----	----
2,3,4,7,8-PeCDF	ND		25	0.065	----	----
2,3,7,8-TCDD	ND		4.0	0.075	----	----
2,3,7,8-TCDF	ND		5.0	0.06	----	----
OCDD	ND		110	0.43	----	----
OCDF	ND		50	0.35	----	----
Total TCDD	ND		5.0	0.17	----	----
Total TCDF	ND		5.0	0.18	----	----
Total HpCDD	ND		25	0.32	----	----
Total HpCDF	ND		25	0.11	----	----
Total HxCDD	ND		25	0.095	----	----
Total HxCDF	ND		25	0.048	----	----
Total PeCDD	ND		25	0.067	----	----
Total PeCDF	ND		25	0.63	----	----
Total PCDD	0.428	J1	5.0	0.41	1.3	2.1
Total PCDF	0.510	J1	5.0	0.26	1.5	2.6
Total PCDD/PCDF	ND		5.0	0.34	----	----

Substance reported as detected in equipment rinse blank. Substance concentration reported in groundwater sample was less than 5 times larger than the blank concentration. Substance is not considered present in groundwater sample.

Substance reported as detected in equipment rinse blank, but concentration reported in groundwater sample was more than 5 times larger than the equipment blank concentration. Substance is considered to be present in groundwater sample.

Substance reported at a concentration greater than 5/3s the concentration reported in laboratory blank method and are considered as valid data.

Substance reported at a concentration between 3/s and 5/3s greater than the concentration reported in laboratory blank method and are considered as data that should be used with caution.

Substance reported at a concentration less than 3/s the concentration reported in laboratory blank method and are considered as data that is not valid.

N.D. Substance was not detected in sample.

This table is being prepared as part of the "2024-2025 Annual Post-Closure Care Plan for Closed Surface Impoundments" report for the Former Chemours Edgemoor Facility (March 2026) and should only be viewed in that context.

Appendix B
Summary of 2025 Groundwater Dioxin/Furan Analytical Results Method Blank Validation
PCCP Monitoring - Closed Surface Impoundments
Chemours Edgemoor Plant
Edgemoor, Delaware

	Applicable Method Blank August 2024 MB 410-548802/1-A PREP BATCH 548802 / ANALYSIS BATCH 551712					
	pg/L					
	Results	Q	RL	EDL	3Xresult	5Xresult
Dioxins / Furans (Method 1613B) pg/L						
1,2,3,4,7,8-HxCDF	ND		25	0.16	----	----
1,2,3,4,7,8,9-HpCDF	ND		25	0.073	----	----
1,2,3,6,7,8-HxCDD	ND		25	0.098	----	----
1,2,3,6,7,8-HxCDF	ND		25	0.17	----	----
,2,3,7,8-PeCDD	ND		25	0.13	----	----
1,2,3,7,8-PeCDF	0.482	J I	25	0.2	1.4	2.4
1,2,3,7,8,9-HxCDD	0.415	J I	25	0.098	1.2	2.1
1,2,3,7,8,9-HxCDF	ND		25	0.2	----	----
2,3,4,6,7,8-HxCDF	ND		25	0.15	----	----
2,3,4,7,8-PeCDF	0.606	J I	25	0.15	1.8	3.0
2,3,7,8-TCDD	ND		4.0	0.087	----	----
2,3,7,8-TCDF	ND		5.0	0.053	----	----
OCDD	ND		110	0.1	----	----
OCDF	0.468	J I	50	0.072	1.4	2.3
Total HpCDD	ND		25	0.46	----	----
Total HpCDF	ND		25	0.28	----	----
Total HxCDD	0.415	J I	25	0.095	1.2	2.1
Total HxCDF	ND		25	0.2	----	----
Total PeCDD	ND		25	1.3	----	----
Total PeCDF	1.09	J I	25	0.17	3.3	5.5
Total TCDD	ND		5	0.087	----	----
Total TCDF	ND		5	0.15	----	----
Total PCDD	0.415	J I	5	0.4	1.2	2.1
Total PCDF	1.56	J I	5	0.17	4.7	7.8
Total PCDD/PCDF	1.98	J I	5	0.29	5.9	9.9

	Applicable Method Blank November 2025 MB 410-733377/1-A PREP BATCH 733377 / ANALYSIS BATCH 733217					
	pg/L					
	Results	Q	RL	EDL	3Xresult	5Xresult
Dioxins / Furans (Method 1613B) pg/L						
1,2,3,4,6,7,8-HpCDD	ND		25	0.32	----	----
1,2,3,4,6,7,8-HpCDF	ND		25	0.094	----	----
1,2,3,4,7,8-HxCDD	ND		25	0.065	----	----
1,2,3,4,7,8-HxCDF	ND		25	0.048	----	----
1,2,3,4,7,8,9-HpCDF	ND		25	0.11	----	----
1,2,3,6,7,8-HxCDD	ND		25	0.067	----	----
1,2,3,6,7,8-HxCDF	0.247	J I	25	0.052	0.7	1.2
1,2,3,7,8-PeCDD	0.428	JI	25	0.044	1.3	2.1
1,2,3,7,8-PeCDF	ND		25	0.071	----	----
1,2,3,7,8,9-HxCDD	ND		25	0.059	----	----
1,2,3,7,8,9-HxCDF	ND		25	0.059	----	----
2,3,4,6,7,8-HxCDF	ND		25	0.051	----	----
2,3,4,7,8-PeCDF	ND		25	0.065	----	----
2,3,7,8-TCDD	ND		4.0	0.075	----	----
2,3,7,8-TCDF	ND		5.0	0.06	----	----
OCDD	ND		110	0.43	----	----
OCDF	ND		50	0.35	----	----
Total HpCDD	ND		25	0.32	----	----
Total HpCDF	ND		25	0.11	----	----
Total HxCDD	ND		25	1.1	----	----
Total HxCDF	0.510	J I	25	0.053	1.5	2.6
Total PeCDD	0.428	J I	25	0.044	1.3	2.1
Total PeCDF	ND		25	0.63	----	----
Total TCDD	ND		5.0	0.17	----	----
Total TCDF	ND		5.0	0.18	----	----
Total PCDD	0.428	J I	5.0	0.41	1.3	2.1
Total PCDF	0.510	J I	5.0	0.26	1.5	2.6
Total PCDD/PCDF	ND		5.0	0.34	----	----

	Applicable Method Blank October 2025 MB 410-734036/1-A PREP BATCH 734036 / ANALYSIS BATCH 734771					
	pg/L					
	Results	Q	RL	EDL	3Xresult	5Xresult
Dioxins / Furans (Method 1613B) pg/L						
1,2,3,4,6,7,8-HpCDD	4.63	J	25	0.089	13.9	23.2
1,2,3,4,6,7,8-HpCDF	2.34	J	25	0.03	7.0	11.7
1,2,3,4,7,8-HxCDD	0.967	J	25	0.018	2.9	4.8
1,2,3,4,7,8-HxCDF	1.28	J	25	0.062	3.8	6.4
1,2,3,4,7,8,9-HpCDF	1.60	J	25	0.038	4.8	8.0
1,2,3,6,7,8-HxCDD	1.04	J I	25	0.019	3.1	5.2
1,2,3,6,7,8-HxCDF	1.53	J I	25	0.62	4.6	7.7
1,2,3,7,8-PeCDD	0.868	J	25	0.45	2.6	4.3
1,2,3,7,8-PeCDF	0.746	J I	25	0.047	2.2	3.7
1,2,3,7,8,9-HxCDD	1.07	J I	25	0.058	3.2	5.4
1,2,3,7,8,9-HxCDF	1.42	J I	25	0.068	4.3	7.1
2,3,4,6,7,8-HxCDF	1.18	J I	25	0.58	3.5	5.9
2,3,4,7,8-PeCDF	0.727	J I	25	0.036	2.2	3.6
2,3,7,8-TCDD	ND		4.0	0.13	----	----
2,3,7,8-TCDF	ND		5.0	0.049	----	----
OCDD	25.6	J	110	0.13	76.8	128.0
OCDF	5.21	J	50	0.041	15.6	26.1
Total HpCDD	4.63	J	25	0.089	13.9	23.2
Total HpCDF	5.24	J	25	0.034	15.7	26.2
Total HxCDD	3.77	J I	25	0.018	11.3	18.9
Total HxCDF	5.76	J I	25	0.063	17.3	28.8
Total PeCDD	1.11	J	25	0.045	3.3	5.6
Total PeCDF	1.47	J	25	0.042	4.4	7.4
Total TCDD	ND	J	5.0	0.13	----	----
Total TCDF	0.0635	J	5.0	0.049	0.2	0.3
Total PCDD	35.1	J	5.0	0.084	105.3	175.5
Total PCDF	17.7	J	5.0	0.05	53.1	88.5
Total PCDD/PCDF	52.8	J	5.0	0.065	158.4	264.0

Appendix C
Asphalt Specifications and Design Drawings

ENSTRUCTURE

DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL

EDGEMOOR, DELAWARE

ENSTRUCTURE DOT LLC

PERMIT SET - PHASE ONE PAVING PLAN

DRAWING INDEX		
SHEET No.	DRAWING No.	DRAWING TITLE
01	96-GN-0001	COVER SHEET AND DRAWING INDEX
02	96-CI-2500-P1	PAVEMENTS LAYOUT KEY PLAN - PHASE 1
03	96-CI-2501-P1	PAVEMENTS LAYOUT PLAN SHEET 1 - PHASE 1
04	96-CI-2502-P1	PAVEMENTS LAYOUT PLAN SHEET 2 - PHASE 1
05	96-CI-2503-P1	PAVEMENTS LAYOUT PLAN SHEET 3 - PHASE 1
06	96-CI-2504-P1	PAVEMENTS LAYOUT PLAN SHEET 4 - PHASE 1
07	96-CI-2505-P1	PAVEMENTS LAYOUT PLAN SHEET 5 - PHASE 1
08	96-CI-2506-P1	PAVEMENTS LAYOUT PLAN SHEET 6 - PHASE 1
09	96-CI-5501	PAVEMENTS SECTIONS SHEET 1
10	96-CI-5502	PAVEMENTS SECTIONS SHEET 2

PERMIT REVIEW SET
NOT FOR CONSTRUCTION

						AD	MS
1	03.02.25	DNREC PERMITTING SUBMITTAL				81	APVD
NO.	DATE	REVISION		CHK	APVD		
DSGN	D. KNIGHT	DR	D. KNIGHT	M. SHEELEY	C. LAWRENCE		

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SOLTAGE BACHY INTGRNATIONAL

WALSH

ENSTRUCTURE

DIAMOND STATE PORT CORPORATION

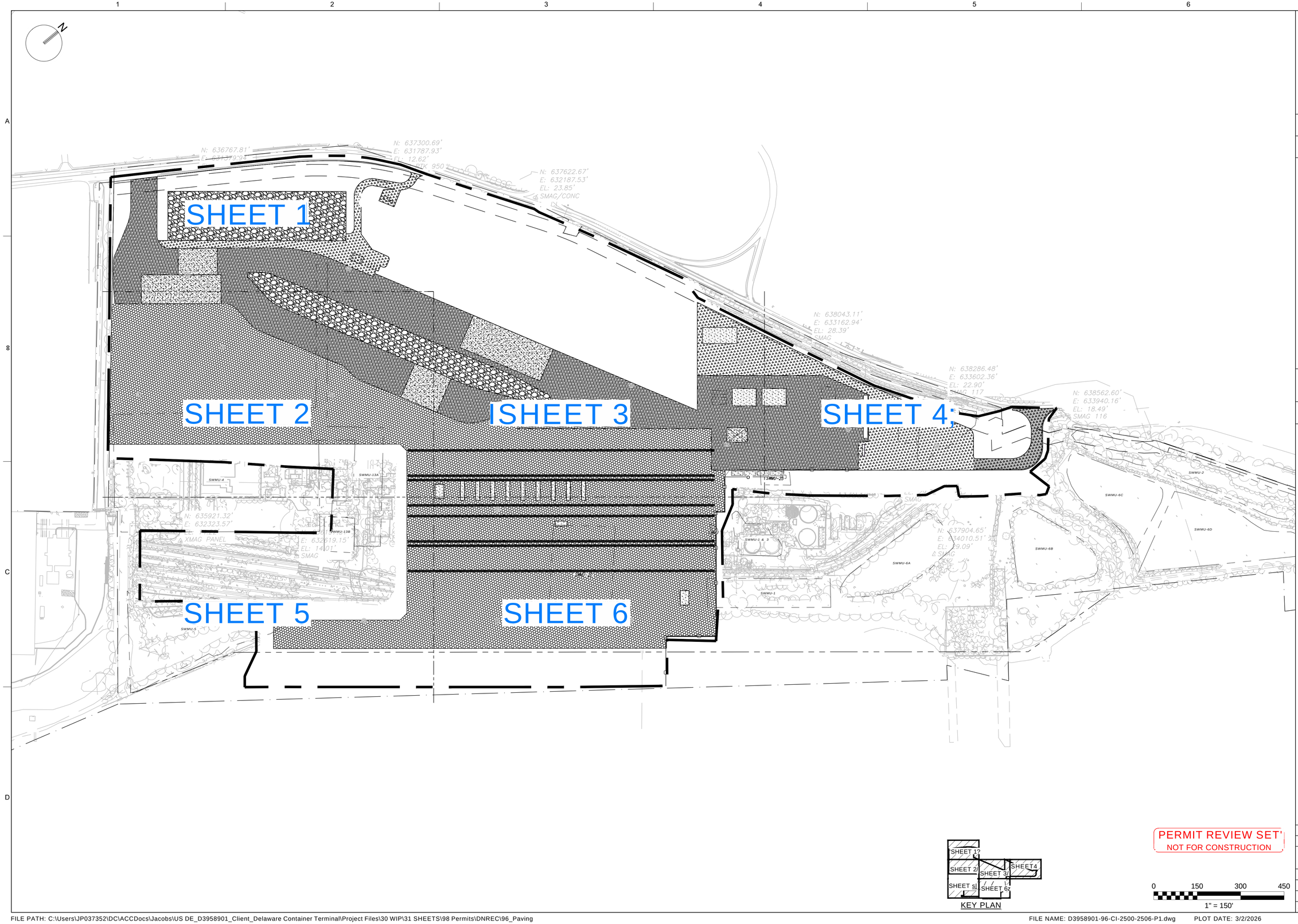
DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PERMIT SET
COVER SHEET
AND DRAWING INDEX

NOT TO SCALE
VES 5 SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-GN-0001
SHEET	01

PERMIT REVIEW SET



SHEET 1
SHEET 2
SHEET 3
SHEET 4
SHEET 5
SHEET 6

KEY PLAN

PERMIT REVIEW SET
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0 150 300 450
1" = 150'

NO.	DATE	REVISION	BY	APVD
A.	03.02.25	DNREC PERMITTING SUBMITTAL	AD	MS

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DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

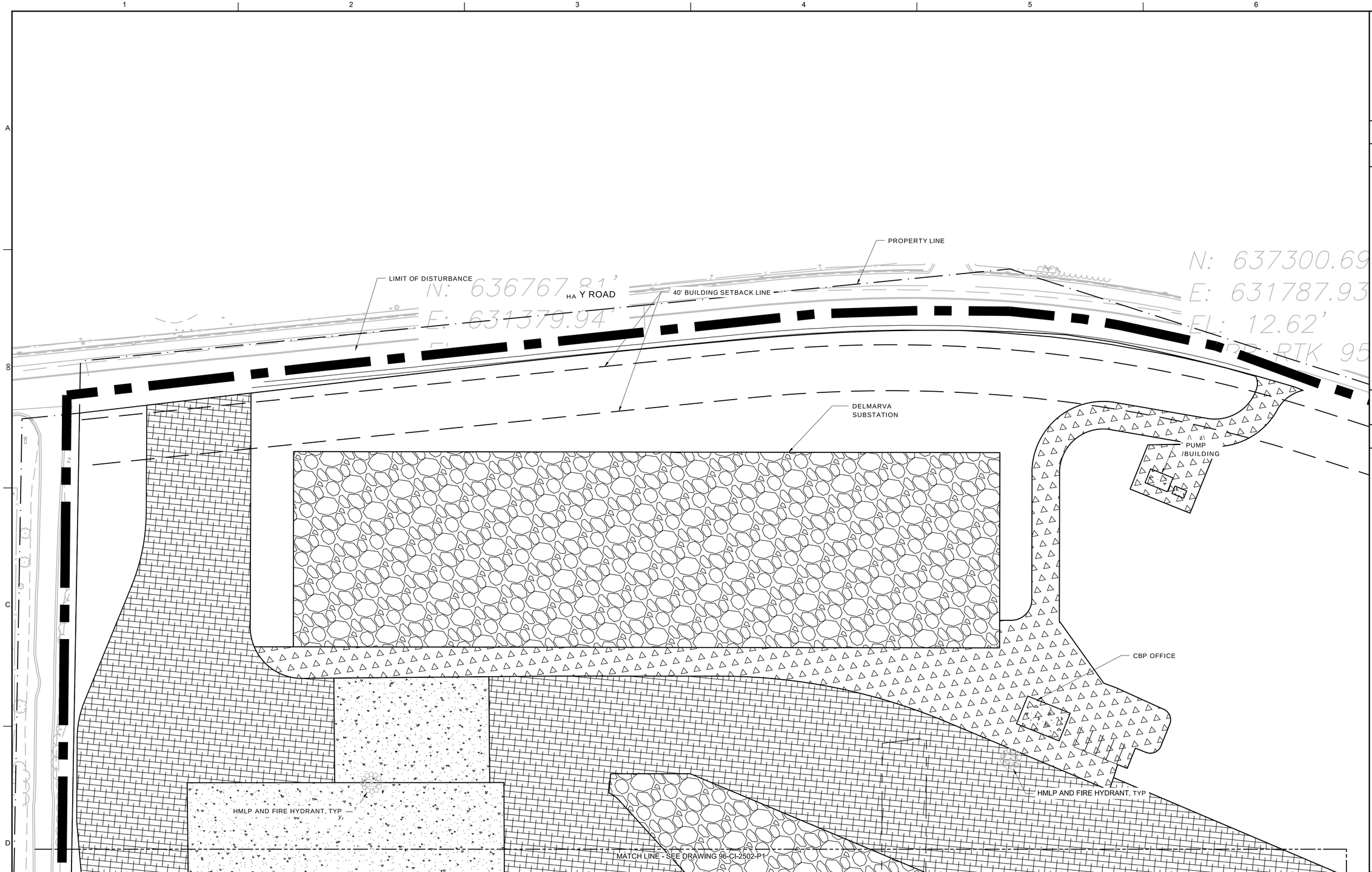
PERMIT SET
PAVEMENTS LAYOUT
KEY PLAN
PHASE 1

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE MARCH 2026
PROJ D3958901
DWG 96-CI-2500-P1
SHEET 02

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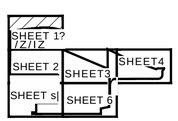


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

1. LEGEND SHOWS ALL PAVEMENT TYPES FOR THE PROJECT. ALL TYPES SHOWN IN LEGEND MAY NOT APPEAR IN PLAN.
2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.



KEY PLAN

0 40 80 120

1" = 40'

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NOT FOR CONSTRUCTION

NO.	DATE	DSGN	DR	CHK	APVD
A	03.02.25	A. DUBOSE	J. PEASE	B. RAHIMZADEH	M. SHEELEY

DNREC PERMITTING SUBMITTAL

REVISION BY AD MS APVD

Jacobs

SOLTAROCHA BACHY INTERNATIONAL

WALSH

ENSTRUCTURE

DIAMOND STATE PORT CORPORATION

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

PERMITSET
PAVEMENTS LAYOUT PLAN
SHEET 1
PHASE 1

AS SHOWN

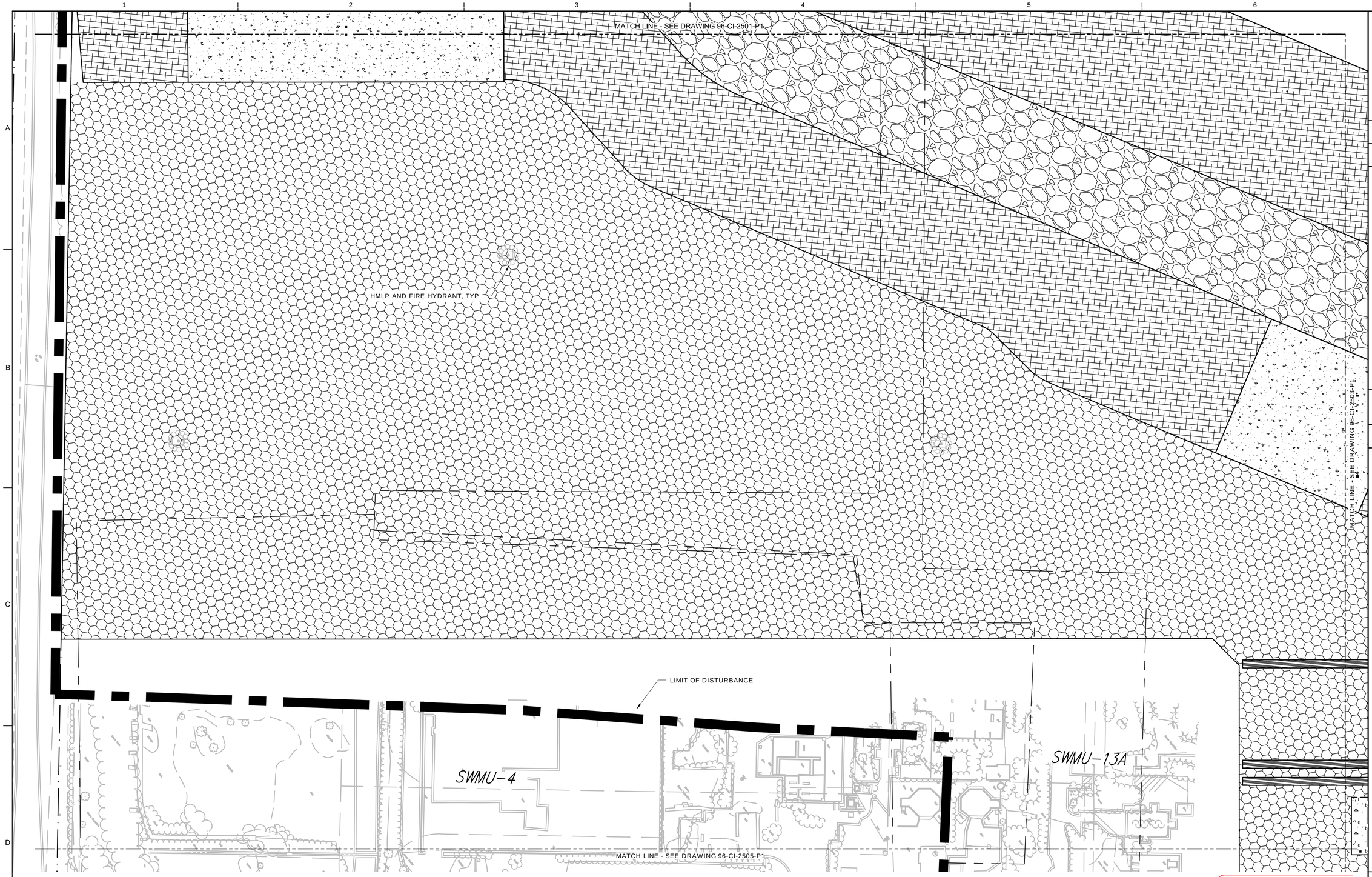
VERIFY SCALE

BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	MARCH 2026
PROJ	D3958901
DWG	96-CI-2501-P1
SHEET	03

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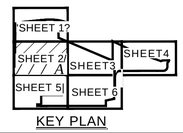


LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- LIMITS OF EXISTING SWMU

NOTES

1. LEGEND SHOWS ALL PAVEMENT TYPES FOR THE PROJECT. ALL TYPES SHOWN IN LEGEND MAY NOT APPEAR IN PLAN.
2. SEE DRAWINGS 96-CI-5501 THRU 96-CI-5502 FOR PAVEMENT TYPE DETAILS.



KEY PLAN

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0 40 80 120
1" = 40'

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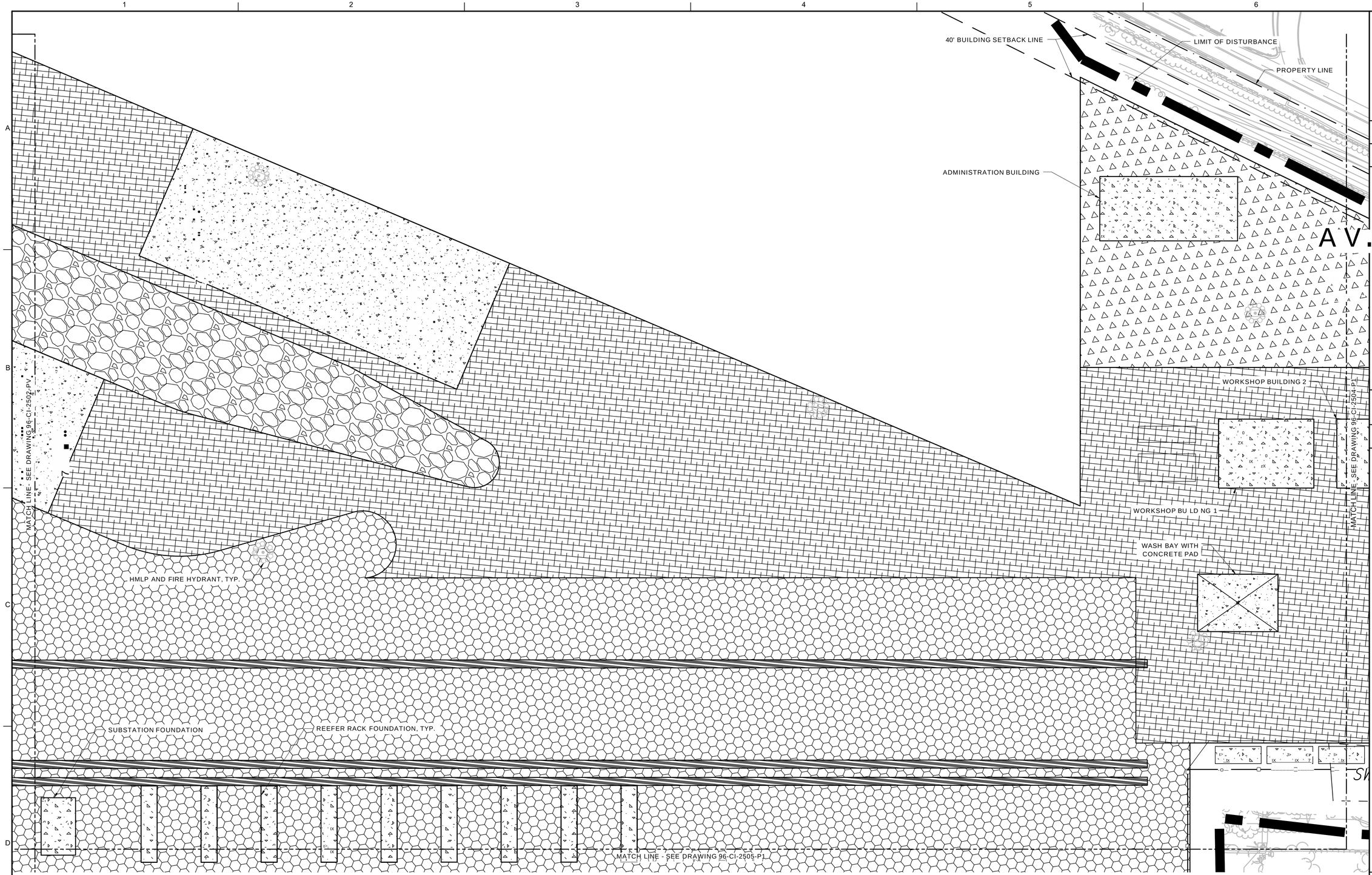
PERMIT SET
PAVEMENTS LAYOUT PLAN
SHEET 2
PHASE 1

AS SHOWN
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SHEET	04

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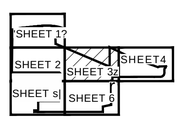


LEGEND

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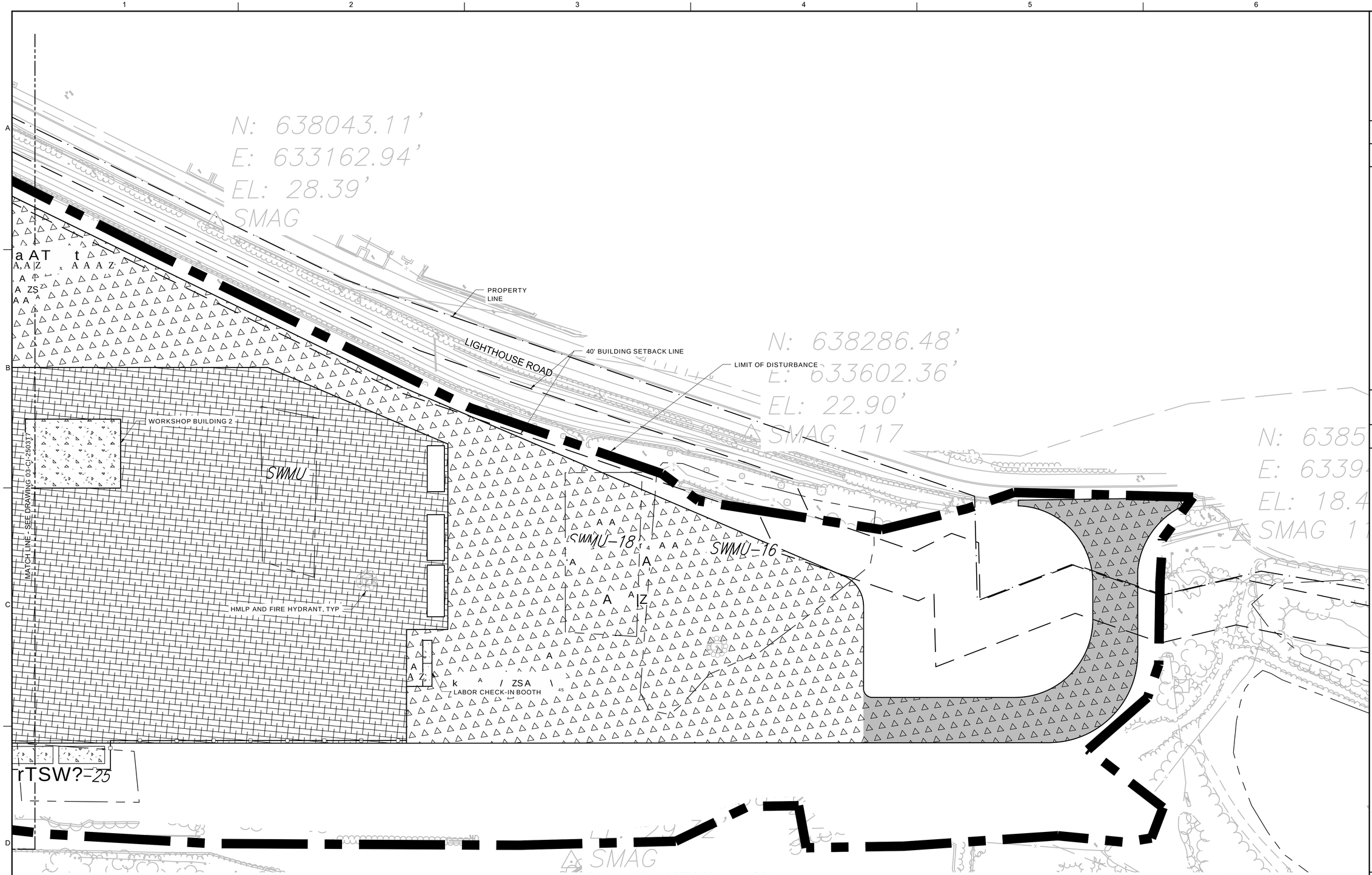
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PAVEMENTS LAYOUT PLAN
SHEET 3
PHASE 1

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SHEET	05

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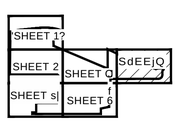


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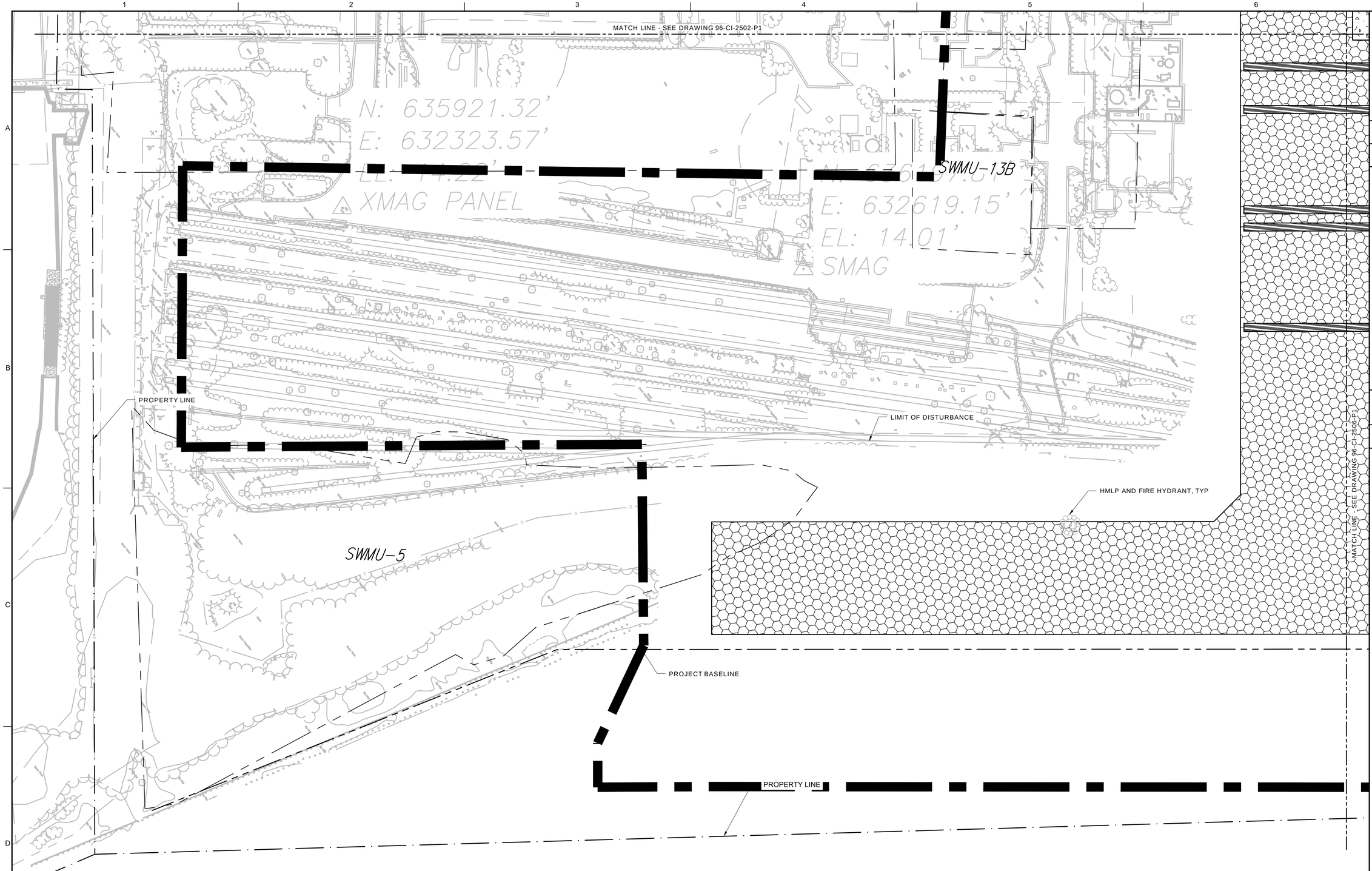
PAVEMENTS LAYOUT PLAN
SHEET 4
PHASE 1

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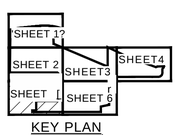


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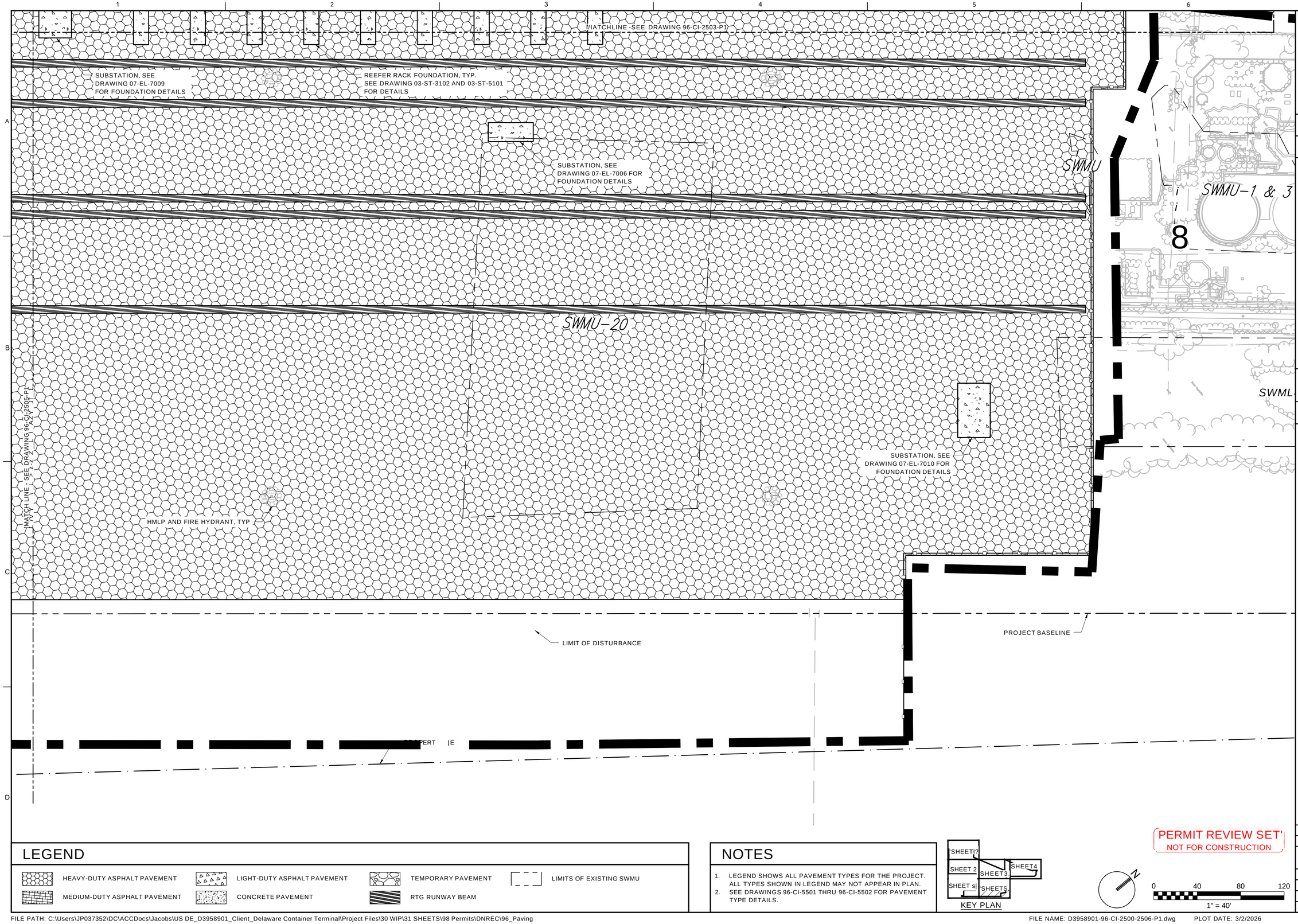
PAVEMENTS LAYOUT PLAN
SHEET 5
PHASE 1

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KEY PLAN

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0 40 80 120
1" = 40'

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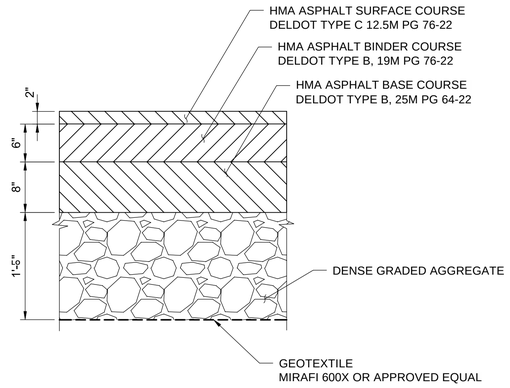
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DWG	96-CI-2506-P1
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SHEET 6
PHASE 1

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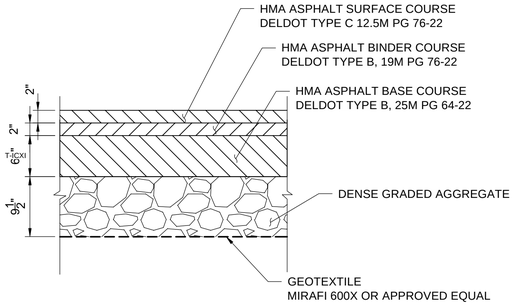
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1 HEAVY-DUTY PAVEMENT SECTION

SCALE: 1" = T-0"

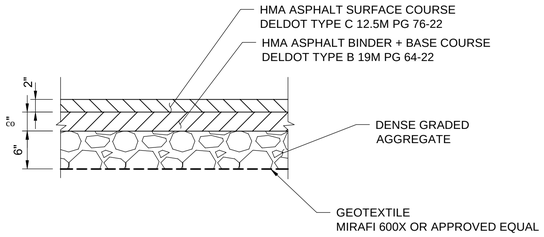
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2 MEDIUM-DUTY PAVEMENT SECTION

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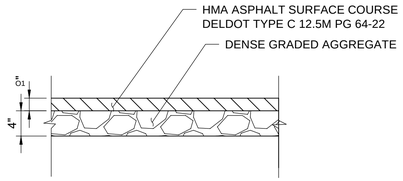
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3 LIGHT-DUTY PAVEMENT SECTION

SCALE: 1" = T-0"

X



4 TEMPORARY PAVEMENT SECTION

SCALE: 1" = T-0"

X

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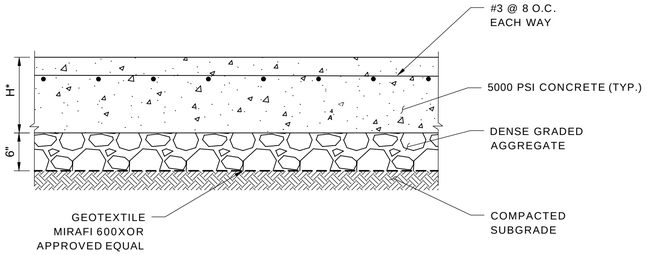
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SECTIONS
SHEET 1

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DATE	MARCH 2026
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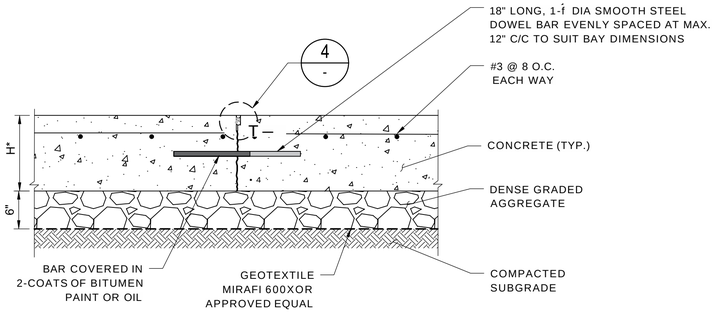
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1 CONCRETE PAVEMENT SECTION

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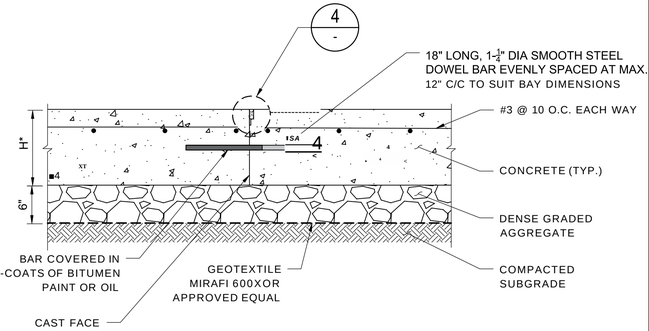
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2 CONTRACTION JOINT IN CONCRETE PAVEMENT

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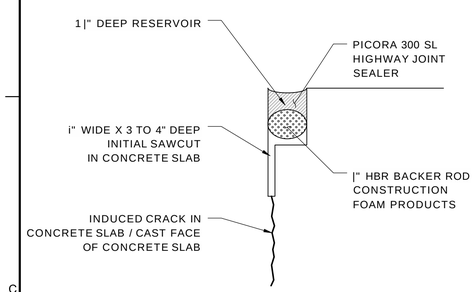
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3 CONSTRUCTION JOINT IN CONCRETE PAVEMENT

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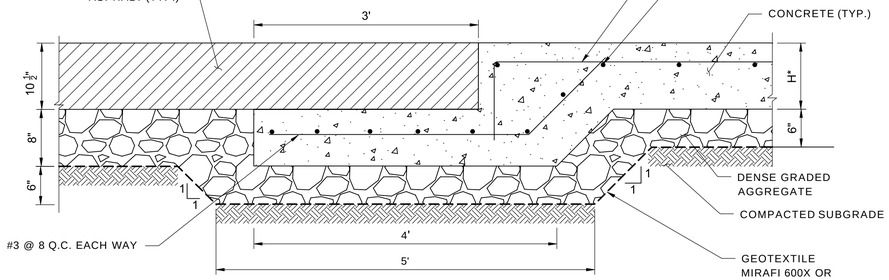
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4 ' CONTRACTION/CONSTRUCTION JOINT DETAIL

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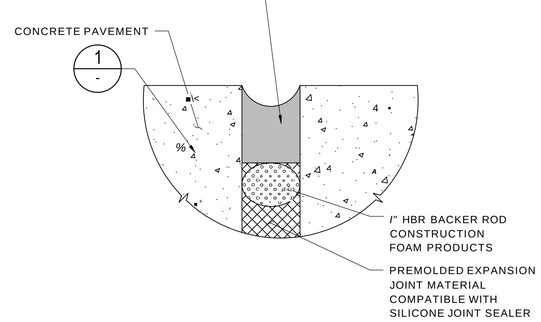
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5 TRANSITION DETAIL - CONCRETE AND ASPHALT PAVEMENT

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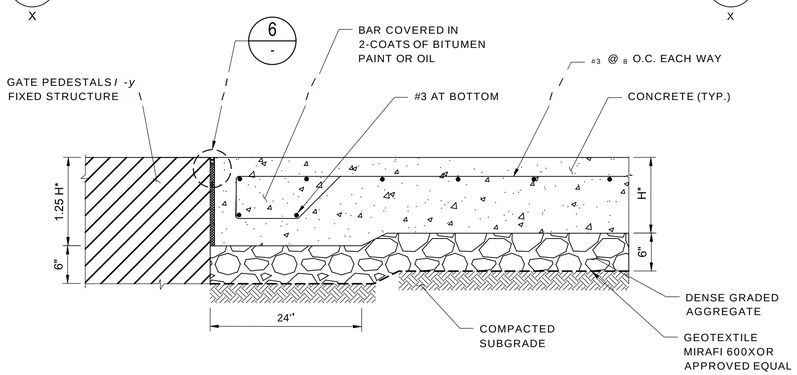
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6 EXPANSION/ISOLATION JOINT DETAIL

N.T.S.

X



7 ISOLATION JOINT - CONCRETE PAVEMENT FIXED STRUCTURES

N.T.S.

X

NOTE :

H* INDICATES CONCRETE PAVEMENT DESIGN THICKNESS
- H = 12" IN OCR LANES
- H = 10" IN GATE LANES

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SECTIONS
SHEET 2

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SECTION 32 12 16
ASPHALT PAVING

PART 1 GENERAL

1.01 REFERENCES

A. The following is a list of standards which may be referenced in this section:

1. American Association of State Highway and Transportation Officials (AASHTO):
   a. Ml 7, Standard Specification for Mineral Filler for Bituminous Paving Mixtures.
   b. M81, Standard Specification for Cut-Back Asphalt (Rapid Curing Type).
   c. M82, Standard Specification for Cut-Back Asphalt (Medium Curing Type).
   d. Ml 40, Standard Specification for Emulsified Asphalt.
   e. Ml 56, Standard Specification for Requirements for Mixing Plants for Hot-mixed, Hot-laid Bituminous Paving Mixes.
   f. M208, Standard Specification for Cationic Emulsified Asphalt.
   g. R35, Standard Practice for Superpave Volumetric Design for Hot Mix Asphalt.
   h. T166, Standard Method of Test for Bulk Specific Gravity (Gmb) of Compacted Hot Mix Asphalt (HMA) Mixtures Using Saturated Surface-Dry Specimens.
   i. T176 Standard Method of Test for Plastic Fines in Graded Aggregates and Soils by Use of the Sand Equivalent Test.
   j. T209, Standard Method of Test for Theoretical Maximum Specific Gravity (Gmm) and Density of Hot Mix Asphalt (HMA).
   k. T247, Standard Method of Test for Preparation of Test Specimens of Hot Mix Asphalt (HMA) by Means of California Kneading Compactor.
   l. T283, Standard Method of Test for Resistance of Compacted Hot Mix Asphalt (HMA) to Moisture-Induced Damage.
   m. T304, Standard Method of Test for Uncompacted Void Content of Fine Aggregate.
   n. T312, Standard Method of Test for Preparing and Determining the Density of Hot Mix Asphalt (HMA) Specimens by Means of a Superpave Gyratory Compactor.
2. Asphalt Institute (Al):
   a. Manual Series No. 2 (MS-2), Mix Design Methods for Asphalt Concrete.
   b. Superpave Series No. 2 (SP-2), Superpave Mix Design.

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3. ASTM International (ASTM):
   a. D75, Standard Method of Test for Sampling of Aggregates.
   b. D140, Standard Method of Test for Sampling Bituminous Materials.
   c. D979, Standard Method of Test for Sampling Bituminous Paving Mixtures.
   d. D2041, Standard Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures.
   e. D2489, Standard Method of Test for Determining Degree of Particle Coating of Asphalt Mixtures.
   f. D4318, Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
   g. D4791, Standard Test Method for Flat Particles, Elongated Particles, or Flat and Elongated Particles in Coarse Aggregate.
   h. D5821, Standard Test Method for Determining the Percentage of Fractured Particles in Coarse Aggregate.
   i. E329 REV A, Standard Specification for Agencies Engaged in Construction Inspection Testing, or Special Inspection.
4. State of Delaware: Standard Specifications for Road and Bridge Construction, August 2016.

1.02 DEFINITIONS

A. Combined Aggregate: All mineral constituents of asphalt concrete mix, including mineral filler and separately sized aggregates.

B. Maximum Aggregate Size: One sieve size larger than the nominal aggregate size.

C. Nominal Aggregate Size: One sieve size larger than the first sieve that retains more than 10 percent aggregate.

D. Prime Coat: Low viscosity cutback or emulsified asphalt applied to granular base in preparation of paving to coat and bond loose materials, harden the surface, plug voids, prevent moisture migration, and provide adhesion.

E. Reclaimed asphalt pavement (RAP): Removed and/or processed pavement materials containing binder and aggregate.

F. Seal Coat: Term used for various applications of emulsified asphalt, with or without sand or aggregate, to protect the asphalt surface from aging due to wear, degradation from the sun, wind, and water. Also used to improve skid resistance and aesthetics. The term seal coat can be used to define fog seal, slurry seal, chip seal or sand seal, depending on application.

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G. Standard Specifications: When referenced in this section, shall mean Department of Transportation, State of Delaware, Standard Specifications for Road and Bridge Construction, August 2016.

H. Tack Coat: Thin layer of emulsified asphalt applied to hard surfaces, including new pavement lifts, to promote adhesion and bonding.

I. Macadam: A mixture of soil aggregate and coarse aggregate.

1.03 DESIGN REQUIREMENTS

A. Prepare asphalt concrete mix design, meeting the following design criteria, tolerances, and other requirements of this specification.

B. Design Criteria:

1. Superpave Method, Al SP-2, AASHTO R35:
   a. Design Gyrations, NDES: 125 average for PG 76-22 and
   b. Coarse Aggregate Angularity, ASTM D5821: One or more fractured faces 95 percent minimum; two or more fractured faces 90 percent, minimum.
   c. Fine Aggregate Angularity, AASHTO T304: 45 percent below 4 inches (100 millimeters) from surface and 45 percent above 4 inches (100 millimeters) from surface.
   d. Flat and Elongated Particles, ASTM D4791: 8 percent, maximum.
   e. Clay Content, AASHTO T176: Minimum sand equivalent of 45 percent.
   f. Voids in Mineral Aggregate: See Table 1.
   g. Voids Filled with Asphalt: 70 percent to 80 percent.
   h. Mixture Density as a Percentage of Theoretical Maximum Density at Initial Gyration Level: 89 percent, maximum.
   i. Mix Density at Maximum Number of Gyrations: Less than 98 percent of theoretical maximum density.
   j. Dust Proportion: 0.8 to 1.6.
   k. Air Voids: 4 percent.
   l. Tensile Strength Ratio, AASHTO T283: 80 percent, minimum.

Table 1
Voids in Mineral Aggregate (VMA) Criteria

Nominal Maximum Aggregate Size (mm)	Minimum VMA, Percent
1/2" (12.5)	14
3/4" (19.0)	13

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Table 1 Voids in Mineral Aggregate (VMA) Criteria	
Nominal Maximum Aggregate Size (mm)	**Minimum VMA, Percent**
1" (25.0)	12
1-1/2” (37.5)	11

C. Furnished Mix Tolerances:

1. Conform to asphalt concrete mix formula within the following, plus or minus:
   a. Aggregate Passing No. 4 (4.76 millimeter) and Larger Sieves: 5 percent.
   b. Aggregate Passing the No. 8 (2.38 millimeter) to No. 100 (150 pm) Sieves: 4 percent.
   c. Aggregate Passing the No. 200 (75 pm) Sieve: 2 percent.
   d. Bitumen Content: 0.3 percent of volume or batch weight of aggregate.
   e. Temperature Leaving Mixer: 20 degrees F (11 degrees C).
   f. Temperature in Paving Machine Hopper: 20 degrees F (11 degrees C).

1.04 SUBMITTALS

A. Informational Submittals:

1. Asphalt Concrete Mix Formula:
   a. Submit minimum of 15 days prior to start of production.
   b. Submittal to include the following information:
      1) Gradation and portion for each aggregate constituent used in mixture to produce a single gradation of aggregate within specified limits.
      2) Bulk specific gravity for each aggregate constituent.
      3) Measured maximum specific gravity of mix at optimum asphalt content determined in accordance with ASTM D2041.
      4) Properties as stated in this section for at least four different asphalt contents other than optimum, two below optimum, and two above optimum.
      5) Percent of asphalt lost due to absorption by aggregate.
      6) Index of Retained Strength (TSR) at optimum asphalt content as determined by AASHTO T283.

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7) Percentage of asphalt cement, to nearest 0.1 percent, to be added to mixture.
8) Optimum mixing temperature.
9) Optimum compaction temperature.
10) Temperature-viscosity curve of asphalt cement to be used.
11) Brand name of any additive to be used and percentage added to mixture.

2. Test Report for Asphalt Cement:
   a. Submit minimum 10 days prior to start of production.
   b. Show appropriate test method(s) for each material and the test results.
3. Manufacturer's Certificate of Compliance, in accordance with Section 01 61 00, Common Product Requirements, for the following materials:
   a. Aggregate: Gradation, source test results as defined in the Standard Specifications.
   b. Asphalt for Binder: Type, grade, and viscosity-temperature curve.
   c. Prime Coat: Type and grade of asphalt.
   d. Tack Coat: Type and grade of asphalt.
   e. Additives.
   f. Mix: Conforms to job-mix formula.
4. Statement of qualification for independent testing laboratory.
5. Test Results:
   a. Mix design.
   b. Asphalt concrete core.
   c. Gradation and asphalt content of uncompacted mix.
   d. Field density.
   e. Quality control.

1.05 QUALITY ASSURANCE

A. Qualifications:

1. Independent Testing Laboratory: In accordance with ASTM E329 REV A.
2. Asphalt concrete mix formula shall be prepared by approved certified independent laboratory under the supervision of a certified asphalt technician.

B. Compaction Control Strip:

1. General:
   a. Construct to approximately 400 square yards in area and at location that will become a portion of completed paved area.
   b. Thickness: Typical of thickness to be paved on Project.

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2. Rollers Used for Compaction:
    a. Steel Wheel Rollers: Minimum static weight 10 tons (9 mg).
    b. Pneumatic Rollers: Capable of exerting pressure of 80 psi (550 kPa) on bituminous surface.
    c. Vibratory Rollers: Static weight minimum 6 tons (5.5 mg), capable of applying a 10-ton (9-mg) impact force equipped with amplitude and frequency control specifically designed for compaction of bituminous mixtures.
3. Compaction:
    a. Compact bituminous mat, using a standard rolling pattern that covers entire control strip. Request that independent testing laboratory performs final density test.
    b. Continue rolling until no further compaction can be obtained as determined by field density testing.
    c. Temperature and condition of bituminous mat shall be considered workable when further compaction can no longer be obtained.
4. Target Density Determination:
    a. Select test point near center of normal roller pass, but no closer than 2 feet (600 millimeters) from edge of mat and 50 feet (15 meters) from either end of control strip. Mat thickness at this point shall be at least depth of finished pavement.
    b. Point at which no further densification can be obtained.
5. Establish new target density if change is made in mix design, nominal depth of mat being placed, aggregate source, or material properties.

1.06 ENVIRONMENTAL REQUIREMENTS

A. Temperature: Do not apply asphalt materials or place asphalt mixes when ground temperature is lower than 50 degrees F (10 degrees C) or air temperature is lower than 40 degrees F (4 degrees C). Measure ground and air temperature in shaded areas away from heat sources or wet surfaces.

B. Moisture: Do not apply asphalt materials or place asphalt mixes when application surface is wet.

PART 2 PRODUCTS

2.01 MATERIALS

A. Tack Coat: Emulsified Asphalt for Tack Coat or Seal Coat: Conform to Section 1011, Tack Coat of the Standard Specifications.

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2.02 ASPHALT CONCRETE MIX

A. General:

1. Mix formula shall not be modified except with written approval of Engineer.
2. Source Changes:
   a. Should material source(s) change, establish new asphalt concrete mix formula before new material(s) is used.
   b. Perform check tests of properties of plant-mix bituminous materials on first day of production and as requested by Engineer to confirm that properties are in compliance with design criteria.
   c. Make adjustments in gradation or asphalt content as necessary to meet design criteria.

B. Asphalt Concrete:

1. Surface Course shall be HMA 12.5 mm with PG76-22 (Polymer-modified) to AASHTO M320.
2. Binder Course shall be HMA 19 mm with PG 76-22 (Polymer-modified) to AASHTO M320.
3. Base: HMA 25 mm with PG 76-22 (polymer-modified) to AASHTO M320.

C. Composition: Hot-plant mix of aggregate, mineral filler if required, and paving grade asphalt cement. The several aggregate fractions shall be sized, uniformly graded, and combined in such proportions that resulting mixture meets grading requirements of mix formula.

D. Aggregate:

1. As specified in the Standard Specifications. RAP material may be used up to a maximum of 10 percent by total weight.
2. Coarse: In accordance with Section 1014, Asphalt Materials Production of the Standard Specifications.
   a. Material retained on a No. 8 (2.36-millimeter) sieve.
   b. Minimum 90 percent by weight of individual pieces having two or more fractured faces, and 95 percent by weight having at least one fractured face.
3. Fine: In accordance with Section 1014, Asphalt Materials Production of the Standard Specifications.
   a. Material passing a No. 8 (2.36-millimeter) sieve.
   b. Clean, sound, durable, angular shaped particles produced by crushing.
   c. Plasticity Index: Maximum 6.

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d. Liquid Limit: Maximum 25, when tested in accordance with ASTM D4318.

4. Natural Sand: Shall not be used.

E. Asphalt Cement: Paving Grade PG76M and Base Coarse PG70, as specified in Section 1012, Asphalt Cement of the Standard Specifications.

2.03 BITUMINOUS STABILIZED MACADAM

A. Hot-plant mix of aggregate, mineral filler, if required, and bituminous stabilizing agent.

B. Aggregate: Type Coarse Aggregate gradation meeting requirements of Section 1014 of the Standard Specifications.

C. Stabilizing Agent: Cut-back asphalt or emulsified asphalt meeting the requirements of Section 1016 of the Standard Specifications.

PART 3 EXECUTION

3.01 LINE AND GRADE

A. Provide and maintain intermediate control of line and grade, independent of underlying base, to meet finish surface grades and minimum thickness.

3.02 APPLICATION EQUIPMENT

A. In accordance with Section 401, Bituminous Pavement of the Standard Specifications.

3.03 PREPARATION

A. Prepare subgrade as specified in Section 31 23 13, Subgrade Preparation.

B. Existing Terminal:

1. Modify profile by grinding, milling, or overlay methods as approved, to provide meet lines and surfaces and to produce smooth riding connection to existing facility.
2. Remove existing material to a minimum depth of 1 inch (25 millimeters).
3. Paint edges of meet line with tack coat prior to placing new pavement.

C. Thoroughly coat edges of contact surfaces (curbs, manhole frames) with emulsified asphalt or asphalt cement prior to laying new pavement. Prevent staining of adjacent surfaces.

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3.04 PAVEMENT APPLICATION

A. General: Place asphalt concrete mixture on approved, prepared base in conformance with this section.

B. Prime Coat:

1. Apply uniformly to clean, dry surfaces avoiding overlapping of applications.
2. Do not apply when moisture content of upper 3 inches (75 millimeters) of base exceeds optimum moisture content of base, or if free moisture is present.
3. Application Rate: 0.15 gallon to 0.50 gallon per square yard (70 liters to 2.28 liters per square meter) of surface area. Engineer will determine amount to be applied within range specified.
4. Remove or redistribute excess material.
5. Allow a minimum of 5 full days for curing of primed surface before placing asphalt concrete.

C. Tack Coat:

1. Prepare material, as specified in Section 1011, Tack Coat of the Standard Specifications, prior to application.
2. Apply uniformly to clean, dry surfaces avoiding overlapping of applications.
3. Do not apply more tack coat than necessary for the day’s paving operation.
4. Touch up missed or lightly coated surfaces and remove excess material.
5. Application Rate:
   a. 0.05 gallon per square yard to 0.15 gallon per square yard (0.25 liter per square meter to 0.70 liter per square meter) of asphalt (residual if diluted emulsified asphalt).
   b. Apply at rate, within range specified, sufficient to assure good bonding, but not so heavy that surplus asphalt flushes into asphalt concrete being placed.

D. Pavement Mix:

1. Prior to Paving:
   a. Sweep primed surface free of dirt, dust, or other foreign matter.
   b. Patch holes in primed surface with asphalt concrete pavement mix.
   c. Blot excess prime material with sand.
2. Place asphalt concrete pavement mix in two equal lifts.

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3. Compacted Lift Thickness:
    a. Minimum: Twice maximum aggregate size, but in no case less than 1 inch (25 millimeters).
    b. Maximum: 4 inches (100 millimeters).
4. Total Compacted Thickness: As shown on construction Plan Details.
5. Sequence placement so that meet lines are straight and edges are vertical.
6. Collect and dispose of segregated aggregate from raking process. Do not scatter material over finished surface.
7. Joints:
    a. Offset edge of each layer a minimum of 6 inches (150 millimeters) so joints are not directly over those in underlying layer.
    b. Offset longitudinal joints in roadway pavements so longitudinal joints in wearing layer coincide with pavement centerlines and lane divider lines.
    c. Form transverse joints by cutting back on previous day's run to expose full vertical depth of layer.
8. Succeeding Lifts: Apply tack coat to pavement surface between each lift.
9. After placement of pavement, seal meet line by painting a minimum of 6 inches (150 millimeters) on each side of joint with cutback or emulsified asphalt. Cover immediately with sand.

E. Compaction:

1. Roll until roller marks are eliminated and minimum density of 97 percent of mix design unit weight at optimum asphalt content is obtained.
2. Joint Compaction:
    a. Place top or wearing layer as continuously as possible.
    b. Pass roller over unprotected end of freshly laid mixture only when placing of mix is discontinued long enough to permit mixture to become chilled.
    c. Cut back previously compacted mixture when Work is resumed to produce slightly beveled edge for full thickness of layer.
    d. Cut away waste material and lay new mix against fresh cut.

F. Tolerances:

1. General: Conduct measurements for conformity with crown and grade immediately after initial compression. Correct variations immediately by removal or addition of materials and by continuous rolling.
2. Completed Surface or Wearing Layer Smoothness:
    a. Uniform texture, smooth, and uniform to crown and grade.

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b. Maximum Deviation: 1/8 inch (3 millimeter) from lower edge of a 12-foot (3.6-meter) straightedge, measured continuously parallel and at right angle to centerline.
c. If surface of completed pavement deviates by more than twice specified tolerances, remove and replace wearing surface.

3. Transverse Slope Maximum Deviation: (1/4 inch (6 millimeters) in 12 feet (3.6 meters) from rate of slope shown.
4. Finished Grade:
   a. Perform field differential level survey on maximum 50-foot (15-meter) grid and along grade breaks.
   b. Maximum Deviation: 0.02 foot (6 millimeters) from grade shown.

G. Seal Coat:

1. General: Apply seal coat of paving grade or emulsified asphalt to finished surface at longitudinal and transverse joints, joints at abutting pavements, areas where asphalt concrete was placed by hand, patched surfaces, and other areas as directed by Engineer.
2. Preparation:
   a. Surfaces that are to be sealed shall be maintained free of holes, dry, and clean of dust and loose material.
   b. Seal in dry weather and when temperature is above 35 degrees F (2 degrees C).
3. Application:
   a. Fill cracks over 1/16 inch (1.5 millimeters) in width with asphalt-sand slurry or approved crack sealer prior to sealing.
   b. When sealing patched surfaces and joints with existing pavements, extend minimum 6 inches (150 millimeters) beyond edges of patches.

3.05 PAVEMENT OVERLAY

A. Preparation:

1. Remove fatty asphalt, grease drippings, dust, and other deleterious matter.
2. Surface Depressions: Fill with asphalt concrete mix, and thoroughly compact.
3. Damaged Areas: Remove broken or deteriorated asphalt concrete and patch as specified in Article Patching.
4. Portland Cement Concrete Joints: Remove joint filler to minimum 1/2 inch (12 millimeters) below surface.

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B. Application:

1. Tack Coat: As specified in this section.
2. Place and compact asphalt concrete as specified in Article Pavement Application.
3. Place first layer to include widening of pavement and leveling of irregularities in surface of existing pavement.
4. When leveling irregular surfaces and raising low areas, the actual compacted thickness of any one lift shall not exceed 2 inches (50 millimeters).
5. Actual compacted thickness of intermittent areas of 120 square yards (100 square meters) or less may exceed 2 inches (50 millimeters), but not 4 inches (100 millimeters).
6. Final wearing layer shall be of uniform thickness, and meet grade and cross-section as shown.

3.06 PATCHING

A. Preparation:

1. Remove damaged, broken, or unsound asphalt concrete adjacent to patches. Trim to straight lines exposing smooth, sound, vertical edges.
2. Prepare patch subgrade as specified in Section 31 23 13, Subgrade Preparation.

B. Application:

1. Patch Thickness: 3 inches (75 millimeters) or thickness of adjacent asphalt concrete, whichever is greater.
2. Place asphalt concrete mix across full width of patch in layers of equal thickness.
3. Spread and grade asphalt concrete with hand tools or mechanical spreader, depending on size of area to be patched.

C. Compaction:

1. Roll patches with power rollers capable of providing compression of 200 pounds per linear inch to 300 pounds per linear inch (350 Newtons per linear centimeter to 525 Newtons per linear centimeter). Use hand tampers where rolling is impractical.
2. Begin rolling top course at edges of patches, lapping adjacent asphalt surface at least one-half the roller width. Progress toward center of patch overlapping each preceding track by at least one-half width of roller.
3. Make sufficient passes over entire area to remove roller marks and to produce desired finished surface.

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D. Tolerances:

1. Finished surface shall be flush with and match grade, slope, and crown of adjacent surface.
2. Tolerance: Surface smoothness shall not deviate more than plus 1/4 inch (6 millimeters) or minus 0 inch when straightedge is laid across patched area between edges of new pavement and surface of old surfacing.

3.07 FIELD QUALITY CONTROL

A. General: Provide services of approved certified independent testing laboratory to conduct tests.

B. Field Density Tests:

1. Perform tests from cores or sawed samples in accordance with AASHTOT166.
2. Measure with properly operating and calibrated nuclear density gauge in accordance with ASTM D2950.
3. Maximum Density: In accordance with ASTM D2041, using sample of mix taken prior to compaction from same location as density test sample.

C. Testing Frequency:

1. Quality Control Tests:
   a. Asphalt Content, Aggregate Gradation: Once per every 500 tons (400 mg) of mix or once every 4 hours, whichever is greater.
   b. Mix Design Properties, Measured Maximum (Rice's) Specific Gravity: Once every 1,000 tons (900 mg) or once every 8 hours, whichever is greater.
2. Density Tests: Once every 500 tons (450 mg) of mix or once every 4 hours, whichever is greater.

END OF SECTION

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Technical Memorandum

Jacobs

Delaware Container Terminal - Reclaimed Asphalt Pavement

Date:	August 12, 2026
Project name:	Delaware Container Terminal Edgemoor Planning - Reclaimed Asphalt Pavement (RAP) Millings
Project no:	T2484300b
Attention:	Katie Faulkner
Client:	State of Delaware Department of Natural Resources and Environmental Control - Remediation Section
Prepared by:	Jacobs
Document no:	TM_002
Copies to:	Walsh: Brian Midlick and Andrew Saunders Enstructure: Diego Lopez and John Reece DSPC: Brian Devine

Two Commerce Square
2001 Market Street
9th Floor, Suite 900
Philadelphia, PA 19103

T +1.215.569.2900
F +1.215.569.5963

www.jacobs.com

In memorialization of the DNREC RCRA progress call held July 31, 2026, we have prepared this memo outlining the Delaware Container Terminal (DCT) development team's intent to repurpose asphalt millings generated from the demolition of existing obsolete site pavements.

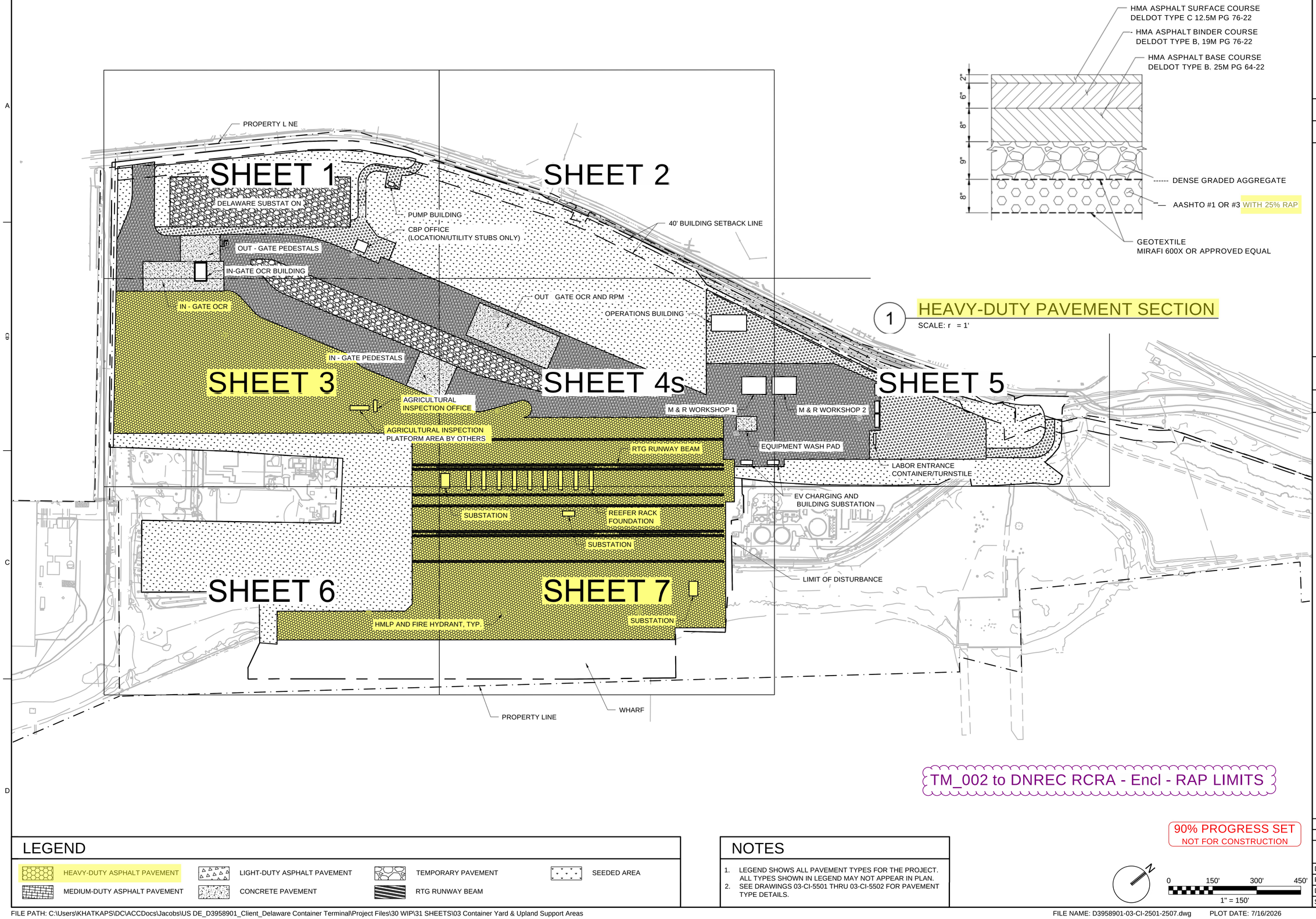
As part of the mass grading operation, existing site pavements, including existing asphalt pavements, are to be demolished, processed, and stockpiled. The team estimates that approximately 15,000 cubic yards of reclaimed asphalt pavement (RAP) millings will be generated from the Phase 1 demolition limits (a site area covering approximately 65 acres). Although none of the approximately 15,000 cubic yards of existing asphalt is known to be contaminated, integral to the processing effort will be screening for visual contamination. If contaminated material is encountered, said asphalt will be segregated, separately stockpiled, designated as not suitable for reclamation (i.e.: not RAP), and managed per EMHCP protocols.

Asphalt pavement millings that are "clean" (suitable for reclamation, i.e.: RAP) will be repurposed exclusively in the lower subbase of new "heavy duty" asphalt pavements. Enclosed with this memo is an overall site paving plan with heavy duty asphalt pavement extents identified, as well as the typical heavy duty asphalt pavement section. As shown, heavy duty asphalt pavement sections have 16" of new asphalt base course, binder course, and surface course, as well as 9" of dense-graded aggregate upper subbase, all to be placed above RAP inclusions. Further, the RAP millings will not be stand-alone. For satisfactory performance of the heavy-duty pavement, project specifications require that RAP be blended with crushed rock in the 8"-thick lower subbase layer at a maximum mix ratio of 25% RAP (75% crushed rock). This requirement is called out in the enclosed typical heavy duty pavement section.

The Phase 1 design calls for approximately 135,000 square yards of heavy-duty asphalt, which, for an 8"-thick lower subbase at a 25% RAP mix ratio, equates to 7,500 cubic yards of RAP inclusions for the entirety of the Phase 1 construction. Excess clean RAP will be stockpiled on site for use in future Phase 2/Full-Build heavy duty pavement. After the Phase 2/Full-Build construction, any remaining excess RAP will be disposed of offsite.

We appreciate the opportunity to outline the project's intended use of RAP. If there are environmental concerns related to the proposed reclamation approach, please do not hesitate to contact the DCT team.

Encl: Marked-up DCT Pavement Layout Plan



1 HEAVY-DUTY PAVEMENT SECTION

SCALE: r = 1'

TM_002 to DNREC RCRA - Encl - RAP LIMITS

LEGEND

- HEAVY-DUTY ASPHALT PAVEMENT
- MEDIUM-DUTY ASPHALT PAVEMENT
- LIGHT-DUTY ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- TEMPORARY PAVEMENT
- RTG RUNWAY BEAM
- SEEDED AREA

NOTES

1. LEGEND SHOWS ALL PAVEMENT TYPES FOR THE PROJECT. ALL TYPES SHOWN IN LEGEND MAY NOT APPEAR IN PLAN.
2. SEE DRAWINGS 03-CI-5501 THRU 03-CI-5502 FOR PAVEMENT TYPE DETAILS.

90% PROGRESS SET
NOT FOR CONSTRUCTION

0 150' 300' 450'
1" = 150'

NO.	DATE	DSGN	CHK	APVD	REVISION
B	07.15.26	A. DUBOSE	A. RANJAN	B. RAHIMZADEH	90% POST QC PROGRESS SET
A	06.25.26				90% PROGRESS SET

BY	APVD
AR	MS
AR	MS
	M. SHEELEY

DELAWARE CONTAINER TERMINAL
EDGEMOOR, DELAWARE
ENSTRUCTURE DCT LLC

Jacobs
SOLeTAOCHe BACHY INTGRNATIONAL
WALSH
ENSTRUCTURE
DIAMOND STATE PORT CORPORATION

CIVIL
PAVEMENTS
OVERALL LAYOUT PLAN

AS SHOWN
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	JULY 2026
PROJ	D3958901
DWG	03-CI-2500
SHEET	21

90% PROGRESS SET

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Appendix D
Excavation and Materials Handling Contingency Plan (EMHCP)

Excavation and Materials Handling Contingency Plan (Phase 1)

Date:	February 2026 Revised March 2026 Revised May 2026
Client:	Enstructure DCT LLC/DSPC - a Walsh/SBI JV in contract with Enstructure
Project Name:	Delaware Container Terminal Edgemoor Planning & OR Support
State Permit No.:	HW31B04
US EPA ID No.:	DED000800284
Project No.:	T2484300b
Attention:	Katie Faulkner
Company:	State of Delaware Department of Natural Resources and Environmental Control - Remediation Section
Prepared By:	Jacobs
Document No.:	251117190219_2a8d097c
Copies To:	Walsh: Brian Midlick and Andrew Saunders Enstructure: Diego Lopez and John Reece DSPC: Brian Devine

Jacobs Engineering Group Inc.
Two Commerce Square
2001 Market Street
9th Floor - Suite 900
Philadelphia, PA 19103
T +1.215.569.2900
F +1.215.569.5963
www.jacobs.com

1. Introduction

This Excavation and Materials Handling and Contingency Plan (Plan) aims to provide environmental guidance for excavation activities, work in the subsurface environment, and the handling of excavated materials during the development of the Delaware Container Terminal (DCT) at the Former Chemours Edgemoor Plant in Wilmington, Delaware, (Site) during Phase 1 development. This Plan is based on the current understanding of environmental conditions that exist or may be encountered at the Site. It prioritizes onsite reuse by minimizing offsite disposal in accordance with the Department of Natural Resources and Environmental Control (DNREC) Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's) Final Decision and Response to Comments (FDRTC or Final Decision) for the Site (DNREC, 2021).

The Plan should be viewed as a living document that is updated, as necessary, when new information concerning the Site becomes available.

1.1 Site Background

The Site consists of the following two tax parcels along Hay Road in Wilmington, Delaware:

1. Tax Parcel Number (No.) 06-153.00-006 (112 acres)
2. Tax Parcel No. 06-153.00-003 (2.08 acres)

Both tax parcels are regulated under the *Resource Conservation and Recovery Act's* (RCRA's) Facility Program, as administered by DNREC. The smaller parcel was previously part of the DNREC-RS's Voluntary

Cleanup Program, identified as Program Identification (ID) No. DE-1489, but was transferred to DNREC's RCRA Program on May 7, 2015. Both parcels are now identified as part of the Former DuPont Edge Moor RCRA Facility with U.S. Environmental Protection Agency (EPA) ID No. DED000800284. A Post-Closure Care Plan (PCCP) (PCCP State Permit No. HW31B04) is in place for four surface impoundments on the larger tax parcel, identified as RCRA Solid Waste Management Units (SWMUs) 6A, 6B, 6C, and 6D (identified as Zone 1A in this Plan). In Zone 1, the Site is regulated by Title 40 *Code of Federal Regulations* (CFR) 1910.120(a)(1)(ii), Hazardous Waste Operations and Emergency Response (HAZWOPER), in accordance with the Occupational Safety and Health Administration (OSHA). If Zone 2 materials are found to be impacted based on the criteria specified in Section 3 of this report, areas within Zone 2 will be managed and regulated in the same manner as Zone 1.

The larger of the parcels contains the former Chemours Edgemoor Plant, which operated as a pigment manufacturing facility from 1931 until 2016 and produced titanium dioxide, titanium tetrachloride, and ferric chloride (Verdantas 2023). This industrial use resulted in the establishment of several RCRA SWMUs in addition to Zone 1A (SWMUs 6A to 6D) (Attachment 1). Per the Final Decision, certain SWMUs have been investigated and determined to have acceptable risk, while others require management in accordance with this Plan. This Plan groups SWMUs in zones, per the status described in the Final Decision. However, excavation and subsurface work within any SWMU should proceed with caution and appropriate contingency planning. Areas outside the SWMUs have not been investigated, and conditions are unknown. Excavation and subsurface work at the Site are to proceed with continuous monitoring for environmental conditions of concern.

The smaller, 2-acre parcel, contains a portion of the former Holland Mulch Site (HMS). The HMS was once part of an oil recycling facility. Manufacturing activities are not known to have occurred on this parcel (Verdantas 2023). Based on previous investigations of this parcel, anticipated environmental conditions of concern are soil impacted by benzo(a)pyrene and arsenic and groundwater impacted by trichloroethylene. The HMS site is not part of current plans for Site redevelopment (other than use for parking/temporary trailer office space), and no soil-disturbing activities are anticipated.

1.2 Plan Limitations/Updates

This version of the Plan is an update of the August 2023 Plan[1], which was prepared by Verdantas and approved by DNREC in September 2023 and was later revised by Verdantas in April 2025 to address only demolition-phase activities at the Site.

This current Plan addresses excavation and subsurface work during the Phase 1 development of the DCT, including the installation of a Sediment and Stormwater Management Plan (Attachment 2). The limit of disturbance in Phase 1 does not include RCRA SWMUs 6A, 6B, 6C, or 6D (all part of Zone 1A of material management). These areas will not be disturbed during Phase 1 of construction; therefore, the management of materials in Zone 1A is not part of this Plan.

2. Summary of Site Environmental Information

Before Jacobs, Verdantas (formerly Duffield Associates) was contracted by Diamond State Port Corporation to undertake previous planning, permitting, regulatory approvals, design, and project support. Verdantas is currently contracted with Diamond State Port Corporation to support the DCT's development.

[1] Excavation and Materials Handling and Contingency Plan, August 2023, prepared by Verdantas and approved by the State of Delaware, DNREC by correspondence dated September 26, 2023.

Additional consultants, including Parsons and Dupont Corporate Remediation Group, also performed Site investigations.

For this Plan, the Site has been divided into the following four zones based on historical uses, reported environmental issues, and potential risks to human health and the environment posed by those environmental issues:

- Zone 1A: RCRA SWMU 6 areas that require further action or may contain waste
- Zone 1: SWMUs that require further action or may contain waste
- Zone 2: Areas determined to have acceptable risk
- Zone 3: Soils in contact with groundwater

Excavation work in Zone 1 will likely encounter substances of environmental concern. While Zone 2 has a status of having acceptable risk, unanticipated environmental conditions may be encountered during excavation. If excavations extend into Zone 3, worker contact with substances of environmental concern is likely. Attachment 1 shows Zones 1 and 2, including the SWMU locations.

As part of the RCRA Part B Permitting Process in 1986, EPA and DuPont developed a list of 29 SWMUs at the Site. By 2001, a Consent Order was issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA Corrective Action Plan (CAP) and address previously identified SWMUs. By January 2002, a Closure Plan was submitted to DNREC for Solid Waste Impoundments A, B, C, and D, identified as SWMU 6, which described a plan to neutralize and stabilize waste onsite and then cover the stabilized waste with a geosynthetic liner. The PCCP was approved by DNREC in April 2003, and by March 2004, the closure of the impoundments was completed. This area is identified as Zone 1A.

DuPont and a prior Consultant (Parsons) prepared a facility-wide CAP (DuPont 2003) and performed two RCRA facility investigations (DuPont 2009 and Parsons 2011), a risk analysis (Parsons 2013), and a Corrective Measures Study (Parsons 2013) to determine the status of the SWMUs, apart from SWMU 2 and SWMU 6.

Decision-making for SWMU status was based, in part, on a human health risk analysis by Parsons for contaminants of concern (COCs) in soils within certain SWMUs at concentrations that required further risk assessment (Parsons 2013). Parsons calculated total cancer risk (CR) and total Hazard Index (HI) for industrial worker and construction worker exposures to COCs in soils within these SWMUs at the Site. The results were compared to DNREC's acceptable risk level of 1.0E-05 and HI of 1 (Table 1).

Table 1. Total Excess Cancer Risk Characterization Results (Parsons 2013)

SWMU	Industrial Worker CR	Construction Worker CR	HI
SWMUs 1 and 3	3E-06	7E-07	0.96
SWMU 4	2E-06	3E-08	N/A
SWMU 5	8E-06	3E-06	0.1
SWMU 18	1E-06	2E-08	N/A
SWMU 20	N/A	-N/A	0.0006
SWMU 23	N/A	3E-07	0.037
SWMU 27	N/A	3E-08	N/A

N/A = not applicable

As the results indicate, the total excess CRs estimated for industrial and construction workers under the Reasonable Maximum Exposure scenario in SWMUs 4, 5, 18, 20, 23, and 27 and under the Central

Tendency exposure scenario (that is, mean) for SWMUs 1 and 3 are less than the regulatory levels of 1.0E-05 and 1 for cancer and non-cancer risks. Therefore, the estimated exposure is not expected to result in unacceptable risks for these receptors. The human health risk assessment was performed assuming an industrial worker will work 8 hours, 20 days per year, and a construction worker will work 24 hours per day, 7 days per week, 50 weeks per year. The exposure factors used in the risk assessment are the default values published in the Office of Solid Waste and Emergency Response Directive 9200.1-120 titled *Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors,* dated February 6, 2014 (EPA 2014).

The exposure assumptions used in the risk assessment must not be exceeded. If working hours deviate from the assumptions used in the risk calculation, the risk assessment will be reevaluated to determine whether the risk to workers changes with the change of exposure duration. If a change of exposure assumptions occurs, DNREC-RS will be informed, and the risk assessment results will be discussed with, and approved by, DNREC-RS before work within such areas continues.

The following terms are used throughout this Plan:

- Competent Person: Someone who is aware of the Site hazards, aware of Site history, onsite during soil-disturbing activities for monitoring, authorized to stop work, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER).
- Environmentally impacted materials: Materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

2.1 Zone 1/Zone 1A: Solid Waste Management Units That Require Further Action or May Contain Waste

This section describes SWMUs in Zone 1 and Zone 1a that require further action or may contain waste.

2.1.1 Zone 1A: Solid Waste Management Unit 6 Areas that Require Further Action or May Contain Waste

SWMUs 6A, 6B, 6C, and 6D areas are considered a part of Zone 1, but have special requirements, so are labeled Zone 1A. No Site work will occur in Zone 1A during Phase 1 of construction. This Plan will be updated to address activities in Zone 1A at a later date.

2.1.2 Zone 1: Solid Waste Management Units that Require Further Action or May Contain Waste

Based on the findings from prior investigations and assessments, except for SWMU 6, the following SWMU identified on the Site requires further action:

- SWMU 1: Wastewater Treatment System - surface water only
  - Recommendations for the handling of SWMU surface water are discussed in Section 5.2 and shown on the Surface Water Testing Decision Matrix in Attachment 3

Based on the findings of prior investigations and assessments, the soils outside SWMU 2 have special testing and disposal requirements because of elevated levels of lead (refer to Section 5.1.4.2).

Attachment 1 shows these soils as SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, along the western and eastern edges of SWMU 2.

The following SWMUs received no further action and have acceptable risk but were identified as potentially containing waste material:

- SWMU 4: Former Trash Landfill
- SWMU 5: Waste Settling Area
- SWMU 20: Former Fuel Oil Aboveground Storage Tanks

Assessments of subsurface conditions in the SWMU 4 and SWMU 5 areas have indicated COCs are present in Site soils, but at concentrations that were determined acceptable under construction worker and industrial worker exposure scenarios. An assessment of subsurface conditions in SWMU 20 had a limited analytical program, and SWMU 4 soils reportedly were placed in SWMU 20 in 2005, so results of the risk assessment are assumed to not fully represent environmental conditions.

2.2 Zone 2: Areas Determined to Have Acceptable Risk

Zone 2 consists of Site areas that are outside the bounds of SWMU 6 and the four SWMUs listed in Zone 1. In accordance with the FDRTC, the areas outside Zone 1 reportedly present no conditions of concern to human health, but a sitewide characterization of soils was not performed. The following SWMUs have acceptable risk; however, the potential to encounter environmental concerns may occur during Site-disturbing activities:

- SWMU 1: Wastewater Treatment System (sediment only)
- SWMU 2: Pond E (Effluent Holding Basin) (sediment and surface water only)
- SWMU 3: Waste Mixing Area and Split Box
- SWMU 7A: Building 23 Polychlorinated Biphenyl (PCB) Storage Area
- SWMU 7B: Kiln 2 PCB Storage Area
- SWMU 8: Former Less-Than-90-Day Hazardous Waste Accumulation Area
- SWMU 9: Hazardous Waste Accumulation Pad
- SWMU 10: Eastern Shore Area
- SWMU 11: Drainage Culvert
- SWMU 12: Emergency Overflow Basin
- SWMUs 13A and 13B: Process Sewers
- SWMU 14: Underground Pipelines
- SWMU 15: Former Unpaved Ditch
- SWMU 16: Scrap Metal Area
- SWMU 17A: Former Underground Storage Tanks (USTs) - 1, 2, 3, 4, B, C, F, and G
- SWMU 17B: Former USTs - 6, 7, 8. 1, J, K, and L
- SWMU 18: Iron-Rich Staging Area
- SWMU 19: Iron-Rich Filter Press Building
- SWMU 21: Copper Vanadium Sludge Pad
- SWMU 22: Ferric Chloride Tank Truck Loading Spot
- SWMU 23: Recovered Ore Storage Area
- SWMU 24: Oil-Water Separator/Skimmer
- SWMU 25: Ferric Chloride Railcar Loading Area
- SWMU 26: Titanium Dioxide Railcar Loading Area
- SWMU 27: Fuel Oil-Stained Soil
- SWMU 28: Caustic Storage Area
- SWMU 29: Southland Tank
- HMS

2.3 Zone 3: Materials Within the Groundwater Table

Site groundwater was encountered between 12 and 31 feet below ground surface. According to environmental assessments at the Site and as summarized in the FDRTC, a clay unit is present near the surface that limits the extent of a shallow permeable unit, and groundwater is not present within the shallow zone of most of the Site. Analytical results for groundwater samples from across the Site indicated metals are the primary constituent of concern.

3. Excavation and Subsurface Work

Regulatory agency notification requirements vary by zone. The Site Owner or authorized representative must proceed with caution for excavation work in SWMUs that Require Further Action (Zone 1). Before subsurface work begins in Zone 1, Contractors should review the following documentation for additional background and substances of concern identified in the SWMUs:

- FDRTC (DNREC, 2021).
- Statement of Basis and Corrective Action Permit (DNREC, 2021).
- Previous Phase I and Phase II RCRA Facility Investigations (Dupont 2009 and Parsons 2011).
- Draft Risk Analysis prepared by Parsons on behalf of DuPont (Parsons, 2013).

Excavation work is not anticipated to occur within the groundwater table (Zone 3) during the first phase of Site excavation and grading activities. Section 5 provides guidance regarding the handling of excavated materials.

Environmentally impacted materials are defined as materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. The location where the potentially environmentally impacted materials will be stockpiled is identified on the center portion of the Site to the west. This proposed stockpile location is paved. There is also a stockpile location at the southern end of the Site that is on an area of deteriorating pavement. This area may also be used to pile potentially environmentally impacted materials as long as the area is lined with polyvinyl plastic sheeting and the stockpile is covered with the sheeting. The stockpile on the northern end of the Site will not be used for potentially environmentally impacted materials and is on a pervious surface.

3.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in Zone 1 will be performed by personnel trained to recognize and react to conditions of environmental and human health concern, in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). A Competent Person must screen the excavation and excavated materials for conditions of potential concern using handheld instrumentation, including a photoionization detector (PID) with a 10.6-electron-voltage lamp energy, a flame-ionization detector (FID) or an x-ray fluorescence instrument, and a combustible gas meter. Visual observations will also include review for non-water liquids, solid waste, odors, and soil discoloration/staining while work is in progress.

The Competent Person must be aware of the Site hazards and Site history, and they must be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in

accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). At a minimum, excavation workers and the Competent Person engaged to screen excavating activities must wear Level D personal protective equipment (PPE) at the start of work. If screening results indicate that additional protection is warranted, workers will upgrade to Level C protection or cease work until conditions are further assessed. Based on the findings from prior investigations and assessments, Level C PPE is required during the excavation of materials with known hazardous concentrations of lead outside SWMU 2 (Attachment 1). Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 1 will be considered environmentally impacted (as defined at the beginning of this section). As such, excavated materials should be deposited on top of plastic sheeting (at Least 10 millimeters thick) and securely covered with plastic sheeting (at least 10 millimeters thick) at the end of each workday, or the materials should be placed in storage containers lined with plastic and covered with tarps at the end of each workday. The covering plastic should be anchored with weights or other restraints to ensure that it will remain in place in case of strong winds.

Before subsurface work takes place in Zone 1, Contractors and the Competent Person should review background information on SWMUs and potential substances of concern. At a minimum, during subsurface work, the Competent Person should be able to identify wastes in materials excavated from the SWMUs that differ from understood environmental conditions. If no substantial differences are identified and no waste is present, SWMUs can be backfilled with excavated materials.

SWMUs 4, 5, and 20 were identified as potentially containing waste. Materials excavated from these areas may contain solid wastes, titanium dioxide pigment, waste solvents, sulfate sludge, and iron-rich wastes. SWMU 20 will be disturbed during Phase 1, and SWMUs 4 and 5 will be partially disturbed during Phase 1. Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for these soils from SWMU 4, 5, and 20 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If these soils are found to be hazardous, the material requires disposal at a hazardous waste landfill. If the soils are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

RCRA SWMU Areas 6A, 6B, 6C, or 6D were also identified as containing waste and are part of Zone 1A, but will not be disturbed in Phase 1, and therefore management of materials in these SWMU areas will be provided at a later date.

Precautions must be taken, including using diversionary berms, to prevent stormwater runoff from entering excavations or stockpiles of excavated materials. Open excavations must be covered (with support) or lined with plastic sheeting to minimize the potential for precipitation to directly contact subsurface materials. If the excavation is lined and stormwater accumulates on the liner, the Competent Person will review the accumulated stormwater for indications of substances of concern, such as visible free-phase liquids on top of the pooled stormwater or visibly suspended sediment, before work resumes. If visible indications of concern are present, the accumulated water will be pumped from the excavation into containers of adequate volume and held for further assessment. If no visible indications of concern are present, accumulated water will be pumped from the excavation and discharged to the ground surface near the excavation.

If excavated materials exhibit different environmental conditions than what was previously identified, the stockpiled materials will be tested to evaluate material-handling requirements based on reported results (Attachment 3 provides a detailed decision matrix about when sampling and testing are required).

Excavated materials from specific Zone 1 locations will not be removed from that Zone 1 location or removed from the Site without an appropriate assessment of the environmental characteristics, including sampling and analytical testing. Section 5 provides additional guidance regarding handling excavated materials.

Based on the findings of prior investigations and assessments, soils outside SWMU 2, specifically soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-SO-D4, were identified with lead concentrations that exceeded the DNREC Screening Level of 400 milligrams per kilogram (Attachment 1). One sample, SWMU2-D0-D4, from 4 to 6 feet below the ground surface, was also reported with a Toxicity Characteristic Leaching Procedure (TCLP) concentration that exceeded the regulatory limit, so the soils in this sampling area are classified as hazardous if excavated. Currently, this area is secured and fenced, prohibiting unauthorized contact with the soil.

Before earth-disturbing activities begin, lead in the soils outside of SWMU 2 must be delineated, and DNREC-RS must be notified if grading activities require excavation in these areas. If earth-disturbing activities are not taking place in these areas as part of the Site's redevelopment, 2 feet of clean soil with an impervious liner will be placed over the areas with elevated lead concentrations to prevent human contact with the soil. This soil, with impervious liner, will remain as an interim layer before the final asphalt cap This recommendation is consistent with the RCRA Corrective Measures Remedy established in the FDRTC document, which identified capping as the primary measure to mitigate exposure to Site soils.

Soil in the areas outside of SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per kilogram is required before earth-disturbing activities. Where Lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils. Work that follows excavation, such as installing conductors or pipes, must be performed by workers appropriately trained for the actual conditions exposed by excavation. The Competent Person will screen the excavation to assess the location specific risk to worker health for the activities planned.

Most excavation work, bulk grading, utility installation, and sediment and stormwater control installations likely to occur in Zone 1 are not anticipated to intercept the groundwater table or require excavation below the groundwater table. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage the groundwater.

There are areas at the bank of the Delaware River, some within the tidal range elevations that include grading. These areas are mainly filled with minimal excavation to recontour before placing engineered fill for the bulkhead tieback supports. There is potential to encounter water during this work at or near the water edge. This water is hydraulically connected to the river and would not be considered groundwater, so would not need to be managed as such. If water encountered here during excavation is suspected of being groundwater (perched higher than the tidal elevation range), it will be managed as stated previously.

3.2 Zone 2: Areas Determined to Have Acceptable Risk

Excavation work in Zone 2 is anticipated to have low potential of encountering regulated substances at concentrations that are of potential human health or environmental concern. A Competent Person will monitor excavation work for indications of environmental or health concerns. The Competent Person must be aware of the Site hazards and Site history, and they will be onsite during soil-disturbing activities for monitoring, authorized to stop work when environmental conditions appear to pose a threat to human health or the environment that the workers at the Site are not prepared to address, and trained to recognize and react to conditions of environmental and human health concern in accordance with OSHA's Hazardous Waste Operations and Emergency Response standard, 29 CFR 1910.120 and 1926.65 (HAZWOPER). The Competent Person will be equipped with instruments that can detect organic vapors and potentially combustible vapors to monitor conditions exposed during excavation. Section 6 discusses worker health and safety in more detail.

Materials excavated in Zone 2 will remain onsite and be used as fill near the location and within the zone they are excavated from unless screening indicates the potential for regulated substances to be present in the soils at concentrations of concern or the material appears to be environmentally impacted (refer to the definition in Section 2). Such indications would include chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings. In response to such observations, the excavated material will be sampled and tested to determine appropriate management options for the materials. Attachment 3 describes the decision matrices that can help determine when sampling and testing are required for soils, concrete/crushed stone/other materials, and groundwater.

If screening suggests the presence of substances of concern, such as chemical or petroleum odors, visible discoloration, and instrument readings greater than ambient atmospheric readings, subsurface work in that area must be stopped. Any evidence of a release during land-disturbing activities will require the Competent Person, or Owner's Representative, to notify the DNREC-RS within 24 hours using the 24-Hour Release Hotline (800-662-8802). Land-disturbing activities may continue on another part of the Site as long as it is not immediately adjacent to the area where there is evidence of a release. If evidence of a release is encountered at the new work area, work must again stop, and excavation activities must be moved elsewhere onsite where no evidence of a release is apparent. Evidence of a release includes, but is not limited to, the appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or presence of free product. Refer to DNREC-RS's *Guidance for Notification Requirements, and HSCA Reporting Level Table* document for more information (DNREC-RS 2025) in Attachment 4.

Most demolition activities, bulk grading, utility installations, and sediment and stormwater control installations are likely to occur in Zone 2 and are not anticipated to intercept the groundwater table or require excavation below the groundwater table, based on available information about the probable depths of groundwater at the Site.

3.3 Zone 3: Materials Within the Groundwater Table

Most work activities likely to occur in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. As noted in Section 3.1, there is potential to encounter tidal water during work at or near the water edge that is hydraulically connected to the river, but it is not considered groundwater and does not need to be handled as such.

4. Underground/Aboveground Utility and Storage Systems

Numerous underground, privately maintained, utility systems are present at the Site, including the following:

- High-voltage electricity lines
- Natural gas lines
- Steam and condensate lines
- Fire mains
- Potable water pipes
- Sanitary/industrial wastewater sewers and appurtenances
- Storm sewers, culverts, and appurtenances
- Pipelines that formerly conveyed materials from aboveground and underground storage
- Tanks to end use locations
- Former USTs that were abandoned-in-place

The facility has undergone multiple renovations during its period of use, which may have resulted in several generations of underground utility systems. The currently understood locations of utility systems are shown on design drawings. The utility locations on these drawings may not depict all buried utilities at the Site. Persons engaged in excavating or intrusive activities must work with care and caution during removal of existing utility systems unless they are designed to temporarily remain to minimize potential danger to themselves, coworkers, and the environment.

Persons responsible for excavation (Contractors, Consultants, or Owner) will request public utility clearance through the Miss Utility service. The Owner will arrange for marking and clearing private utilities within the work area. This effort may be performed by the Owner or a Contractor engaged for the purpose. These utility markouts and clearances will be completed before excavation starts, and the information will be reviewed with the persons responsible for excavation before excavation starts.

If USTs or associated piping is encountered during subsurface work, Contractors will immediately notify the Competent Person or Owner's Representative. The Competent Person or Owner's Representative will, in turn, notify DNREC-RS and DNREC-Tank Management Section. A licensed UST removal contractor will be engaged to properly drain, clean, remove, and dispose of encountered UST system components in accordance with the Delaware regulations governing UST Systems. Personnel should also consider that Site USTs may contain substances other than petroleum products and additional regulations may apply.

5. Materials Management

This section discusses materials management.

5.1 Soil and Sediment

Soils and other materials excavated on the Site will remain onsite for reuse as fill or until they are appropriately assessed for offsite reuse, treatment, or disposal. However, every effort will be made to reuse excavated materials onsite before offsite disposal opportunities are considered. Attachment 3 contains a decision matrix to help assess whether materials (soil, sediment, surface water, groundwater, and concrete/crushed stone/other materials) require sampling and testing.

The Competent Person reviewing the excavation will use the screening information gathered during excavation to assess whether excavated materials may be used as backfill at the location of the work. For instance, excavated materials without indications of environmental impact (visible discoloring, obvious

chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material) would be considered environmentally suitable for use as backfill. If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns. Additionally, impacted soils excavated from areas within Zone 1 may be used as backfill at the same source locations from where they were excavated as long as materials appear to be similar to those described in prior investigations at the Site. Soil and vegetative covers will be replaced where necessary in Zone 1.

At a minimum, the Competent Person will consider the following criteria when assessing the environmental suitability of the excavated materials for use as backfill:

- Zone or SWMU where excavation is taking place
- Distance between the bottom of the excavation and the estimated groundwater
- Relative permeability of soil(s) present (gravel, sand, silt, or clay)
- Purpose of the excavation
- Ground cover that will be placed over the excavation

Erosion and sediment control measures will be established before Site-disturbing activities begin. These measures will conform to a Sediment and Stormwater Management Plan provided by Jacobs (Attachment 2), once approved by DNREC.

When a decision has been made to temporarily store excavated materials, the materials will be transported to the prepared storage area or storage containers. Separate storage areas or containers will be provided for each zone and excavation location. While excavated materials are placed in the storage area, they will not be allowed to cover the peripheral berms of the storage area or spill over the sides of storage containers. The stored materials will be covered with plastic sheeting or tarps at the end of excavating activities or the end of each workday, whichever occurs sooner. Sufficient weights will be placed on the plastic cover to hold it in place in case of windy conditions or precipitation.

In addition, a soil and waste tracking log will be used to track the origin, quantity, and date that the excavated materials are placed into storage (Attachment 5). The log will detail the original SWMU area that the soils in storage originated from, along with details about characterization sampling if performed, included the type of analysis performed and the laboratory used.

When excavation and material additions to the storage site are completed, stored materials will be handled in accordance with the sampling and testing decision matrix in Attachment 3.

5.1.1 Testing for Onsite Soil Reuse (Preferred Method of Materials Management)

Soil characterization testing will be performed for onsite reuse when soils exhibit environmental impacts or to allow for unrestricted use between Zones 1 and 2. Sampling frequency will conform to the DNREC's *Guidance for Soil/Material Re-Use by the Hazardous Substance CLeanup Act (HSCA),* dated May 2023. If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - Target Compound List (TCL) Volatile Organics +10 by EPA Method SW-846 8260B
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics +15 by EPA Method SW-846 8270C
  - TCL Pesticides by EPA Method SW-846 8081A
  - Total PCBs by EPA Method 680 (only when iron-rich material is present)

- Total Dioxins and Furans by EPA Method 1613 (only when iron-rich material is present)
- Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
- Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or it be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.2 Testing for Onsite Concrete/Crushed Stone/Other Similar Material Reuse (Preferred Method of Materials Management)

Concrete, crushed stone, or other similar material will be tested for onsite reuse when concrete exhibits environmental impact or to allow for unrestricted use between Zones 1 and 2. Sampling will conform to DNREC (2023). If the materials are planned for reuse onsite, the laboratory will be requested to perform the following initial analyses:

- Grab samples:
  - TCL Volatile Organics +10 by EPA Method SW-846 8260B.
  - pH by EPA Method SW-846-9045C
  - TCL Semivolatile Organics + 15 by EPA Method SW-846 8270C
  - Total PCBs by EPA Method 680
  - Target Analyte List Inorganics by EPA Methods SW-846 6020B and 7471A
  - Total Cyanide by EPA Method 9010

The results of these analyses will be compared to regulatory standards, as appropriate, for the intended use location. The testing results and comparison information will be summarized in a brief report and submitted to DNREC for review. The report will contain a recommendation that either the materials be released from storage for reuse onsite or be further assessed. With the concurrence of DNREC-RS, the materials will either be reused onsite or remain in storage until an appropriate end use (reuse, treatment, or disposal) is identified.

5.1.3 Testing for Offsite Reuse

If the project requires that excavated materials cannot be reused at the area of excavation and offsite reuse may be an option, the laboratory will be requested to perform a suite of analyses similar to those listed is Section 5.1.1 and 5.1.2 for onsite reuse and in accordance with DNREC (2023).

5.1.4 Testing for Treatment or Disposal

The following describes testing for treatment of disposal.

5.1.4.1 Excavated Materials

If the excavated materials cannot be kept onsite and screening indicates substantial environmental impacts, the Laboratory will be requested to perform the following initial analyses or the analyses requested by the potential treatment or disposal facility when the source of the substances of concern is not apparent or is unknown:

- Grab samples:
  - TCL Volatile Organics by EPA Method SW-846 8260B
  - Diesel Range Organics by EPA Method SW-846 8015B
  - Gasoline Range Organics by EPA Method SW-846 8015B
  - Total Metals (Arsenic, Antimony, Barium, Beryllium, Cadmium, Chromium, Hexavalent Chromium, Copper, Mercury, Lead, Molybdenum, Nickel, Selenium, Silver, Thallium, and Zinc) by EPA
  - Methods SW-846 6020B and 7471A
  - Total PCBs by EPA Method SW-846 680
  - Ignitability in accordance with 40 CFR261.21
  - Corrosivity by EPA SW-846 Chapter 7
  - Reactivity by EPA SW-846 Chapter 7.3
  - Oil and Grease by EPA Method 413.1
  - Total Organic Carbon by EPA Method 415.1
  - Chemical Oxygen Demand by EPA Method 410.1
  - Total Extractable Halides by EPA Method SW-846 9020B
  - Ammonia-Nitrogen by EPA Method 350.2
  - Total Solids by EPA Method 160.3
  - Total Volatile Solids by EPA Method 160.4
  - Paint Filter Liquids Test by EPA Method SW-846 9095A
  - TCLP (Metals, Volatile Organics, Semivolatile Organics, Pesticides, and Herbicides) by EPA Methods SW-846 1311/6010B, 1311/8260B, 1311/8270C, and 1311/8081A/8151A
  - Total Cyanide by EPA Method 9010

The analyses reflect a combination of testing typically requested by treatment and disposal facilities in the region. Where the source of the substances of concern is established, such as petroleum from USTs, characterization testing will be limited to analytes required by the receiving facility.

The results of material characterization analyses will be compared to State criteria for categorizing solid waste or hazardous wastes and treatment or disposal facility acceptance criteria, as appropriate. The application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment of disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.2 Soils Outside of Solid Waste Management Unit 2

Soil in the areas outside SWMU 2 where earth-disturbing activities are anticipated require DNREC-RS notification and correspondence; specifically, soil sample Locations SWMU2-S0-S1, SWMU2-S0-D1, and SWMU2-S0-D4, where lead was reported at concentrations that exceeded DNREC Screening Levels. The delineation of lead concentrations exceeding the DNREC-RS Screening Level of 400 milligrams per

kilogram is required before earth-disturbing activities. Where lead concentrations are identified exceeding the Screening Level, TCLP testing is required for hazardous classification of the soils.

Similar to the handling of other excavated materials onsite, the results of the material characterization analyses for the soils outside of SWMU 2 will be compared to State criteria for categorizing hazardous wastes and treatment or disposal facility acceptance criteria. If concentrations of lead in the soil are hazardous, the material requires disposal at a hazardous waste landfill. If concentrations of lead in the soil are not hazardous, the material may be disposed of at a qualified landfill facility or reused within the same area of the Site. If the material is being disposed of, the application will be submitted to chosen treatment or disposal facilities to obtain their acceptance of the materials. Copies of testing results and treatment or disposal facility acceptance documents will be submitted to DNREC-RS for informational purposes, along with a tentative schedule for transporting the materials to the treatment or disposal facility. The materials will be removed from the Site in accordance with the recommendations. Copies of disposal or treatment facility receipts will be provided to DNREC-RS.

5.1.4.3 Testing for Imported Materials Onsite

Soils imported to the Site will be assessed on a case-by-case basis as to whether environmental sampling is necessary before they are placed. The source location and the approximate volume for imported soils will be provided. Imported materials may not be placed onsite until authorized by the Site Owner and DNREC-RS.

5.1.5 Sediments

SWMUs 1 and 2 are the only locations where sediment is present onsite (other than along the shoreline). SWMU 1 and 2 sediments should be managed as part of Zone 2, in accordance with the results of previous determinations, indicating sediments in these areas do not pose a risk to human health for excavation, composite, or outdoor workers (Table 2). Analytical results for SWMU 1 sediment samples did not exceed the DNREC Screening Levels; therefore, the concentrations of regulated substances in these sediments are considered acceptable to human health.

Table 2. Solid Waste Management Unit 2 Total Excess Cancer Risk Characterization Results

SWMU	Excavation Worker CR	Excavation Worker HI	Composite Worker CR	Composite Worker HI	Outdoor Worker CR	Outdoor Worker HI
SWMU 2	2E-08	0.07	4E-07	0.4	2E-06	0.3

Source: Verdantas 2024

SWMU 1 and 2 sediment may be placed onsite but must maintain a clean soil cover or an impervious cover to minimize the potential for continued drainage of PCBs from the SWMU 1 sediment into the river through the mechanism of stormwater runoff. It is recommended that the SWMU 1 and 2 sediments be buried in the proposed confined disposal facility or disposed of offsite at a permitted landfill.

5.2 Surface Water Management

The surface water within the SWMU 1 and SWMU 2 ponds is considered industrial wastewater. The Contractor may manage surface water using one of the following three approaches:

- Evaporation of Surface Water (SWMU 1, surface water only): It is anticipated that in SWMU 1, standing water would be permitted to evaporate before dewatering activities begin.
- Processing Through New Castle County Sewer System: If the industrial wastewater is present before dewatering, the industrial wastewater may be processed through the New Castle County Sewer System. If this action is deemed necessary, the appropriate approvals from New Castle County are required before discharge.
- Pumping of Surface Water into Vacuum Truck, Treatment, and Offsite Disposal: If the industrial wastewater is present before dewatering, it may be pumped out of the ponded area(s) into a vacuum truck, treated, and disposed of as wastewater offsite. The documentation of proper transportation and disposal is required.

5.3 Groundwater Management

Most work activities in Zones 1 and 2 are unlikely to intercept the groundwater table, based on available information about the probable depths to groundwater and current construction plans. If groundwater is encountered during excavation, work will stop until the environmental condition of groundwater in the immediate vicinity of the excavation is adequately characterized and a plan is developed to manage groundwater. Attachment 3 includes a decision matrix about when to sample groundwater. If groundwater is encountered, it should be handled according to the guidance in the following sections.

5.3.1 Identification of Contaminated Groundwater

Contractors should assume groundwater encountered at the Site may contain COCs, and workers should wear appropriate PPE and avoid prolonged contact with the water. If indicators of obvious contamination are observed (such as petroleum products, sheen, unusual discoloration, or strong odors), the Contractor will halt work in the affected area and contact the Consultant. The Consultant or DNREC-RS will assess the situation to determine whether work can continue or whether remedial or additional PPE measures (or both) are required.

5.3.2 Management of Nonaqueous Phase Liquids

Nonaqueous phase liquids (NAPL) have not been identified onsite and are not anticipated to be encountered.

However, if NAPL is discovered, Contractors assigned to recover NAPL, such as petroleum products, will collect the NAPL in Consultant-approved containers (sealed drums or tanks). Containers of recovered NAPL will be stored within secondary containment structures for characterization and eventual disposal. Documentation of proper disposal of wastes is required.

5.4 Equipment Decontamination

The Consultant will designate a decontamination area for equipment that is operated within Zone 1. The Contractor will have the appropriate supplies onsite for decontamination, as needed, including a clean water supply, plastic sheeting, oil absorbent pads, and empty sealable drums.

Soil can be washed from equipment using tap water and discharged to the ground surface unless obvious contamination is encountered. Equipment used to handle contaminated materials will be decontaminated on a plastic sheet to collect and containerize the wash water. The equipment will be cleaned using a soap solution and tap water. The wash water will be collected into a drum or tank and labeled with the contents, a description of observed contamination, and the date of the work.

In addition, the Contractor will have a dedicated access/egress for each SWMU and dedicated vehicles working in SWMUs. At each entrance/exit location, the Contractor will use a rock construction entrance (large stone aggregate surface stabilized with a geotextile fabric), along with trackout control mats, which deform tires and release debris and sediment that is lodged between the tire lugs.

6. Worker Hazard Mitigation

This section describes criteria that will guide the Competent Person's recommendations regarding PPE and Site work. This section assumes Contractors engaged to provide services at the Site have their own corporate health and safety plans and will prepare Site-specific health and safety plans. For this Plan, environmentally impacted materials include materials with visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material.

If titanium dioxide is observed (white, blue, or black), it may be an indication of other environmental concerns.

6.1 Zone 1: Solid Waste Management Units That Require Further Action or May Contain Waste

Excavation work in SWMUs in Zone 1 will be performed by workers who have been 40-hour HAZWOPER-trained, and the Competent Person will be present during excavation work in SWMUs in Zone 1.

The initial minimum PPE worn by workers who are likely to be in direct contact with excavated materials or subsurface materials will conform to EPA Level D criteria and consist of the following equipment:

- Level D PPE
  - Hard hat
  - Eye protection
  - Disposable gloves
  - Ear protection
  - Work boots with toe protection

A cleaning station will be provided to remove materials that cling to the outer surface of work boots and where workers can wash their hands during breaks and before leaving the work area. No drinking, eating, or smoking will be permitted in the work area.

If work area monitoring indicates a potential breathing hazard is present in the form of organic vapors, workers will be required to wear Level C PPE. Level C PPE will include the equipment required for Level D, plus a disposable coverall suit and use of a full-face negative air respirator with organic vapor cartridges. The full-face coverage provided by the respirator will provide the eye protection specified for Level D PPE. Level C PPE is required during the excavation of soils outside of SWMU 2 where hazardous concentrations of lead are present (Attachment 1).

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria indicate the appropriateness of Level D PPE during work:

- PID or FID readings less than 5 units greater than ambient background readings with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the lower explosive limit (LEL) with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained at 5 deflection units or greater than ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to levels less than 5 deflection units, the Competent Person will allow work to resume. If PID or FID readings remain greater than 5 deflection units but less than 50 deflection units, the workers will be required to upgrade PPE to Level C. The Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken.

If oxygen meter readings are between 19.5% and 23%, and combustible gas meter readings exceed 10% of the LEL but remain less than 25% of the LEL, the Competent Person will inform the excavation supervisor and workers of the condition. Work will proceed with caution. If combustible gas meter readings exceed 25% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm potential sources of ignition are de-energized or extinguished, and confirm workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 25% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain great than 25% of the LEL, the Competent Person will contact the Site Manager and inform them of conditions encountered and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 25% of the LEL, the Competent Person will again contact the Site Manager and will contact the Brandywine Hundred Fire Company to inform them of the situation and request assistance. The Site Manager will contact the DNREC Case Manager and inform them about the situation. Work will be halted until the situation can be further assessed and a safe course of action can be planned.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels are indicated to remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

6.2 Zone 2: Areas Determined to Have Acceptable Risk

HAZWOPER training will not be required for workers engaged in subsurface work in Zone 2, based on the available information, which indicates hazardous substances are not present in these zones at concentrations of concern. However, subsurface work area conditions will be monitored by a Competent Person, who is the developer's representative.

While work is in progress, the Competent Person will monitor breathing zone atmospheric conditions and atmospheric conditions within the excavation and will screen excavated materials for indications of substance-related hazards. The following criteria will be used to assess the appropriateness of the worker protection in use:

- PID or FID readings less than 5 units exceeding ambient background readings and no sustained readings exceeding ambient background with the meter calibrated to isobutylene
- Combustible gas meter readings less than 10% of the LEL with the meter calibrated to methane and oxygen meter readings between 19.5% and 23%
- Oxygen meter readings between 19.5% and 23%

If PID or FID readings are sustained exceeding ambient background readings for more than 30 seconds, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If PID or FID meter readings have returned to ambient background readings, the Competent Person will allow work to resume. If PID or FID readings remain greater than ambient background, the Competent Person will continue monitoring organic vapors for 30 minutes. If the organic vapor readings do not return to ambient background values after 30 minutes, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Competent Person will contact the Site Manager and inform them of conditions encountered and action being taken. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings are between 19.5% and 23% and combustible gas meter readings exceed 10% of the LEL for 30 seconds, the Competent Person will require work to cease, confirm that potential sources of ignition are de-energized or extinguished, and confirm that workers leave the work area. The Competent Person will return to the work area after 5 minutes and resume monitoring. If combustible gas meter readings have returned to levels less than 10% of the LEL, the Competent Person will allow work to resume. If combustible gas readings remain greater than 10% of the LEL, the Competent Person will contact the Site Manager to inform them of encountered conditions and actions being taken. The Competent Person will continue to periodically monitor the work area with the combustible gas meter for approximately 30 minutes. If readings do not fall to less than 10% of the LEL, the Competent Person will again contact the Site Manager and halt work until the situation can be further assessed and a safe course of action has been planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

If oxygen meter readings fall to less than 19.5%, the Competent Person will require work to cease and workers to leave the work area. The Competent Person will cautiously return to the work area after 5 minutes and resume monitoring. If oxygen meter readings have rebounded to greater than 19.5%, the Competent Person will allow work to resume and contact the Site Manager to inform them of conditions encountered and actions being taken. If oxygen levels remain at less than 19.5% in portions of the work area, work will be halted until the situation can be further assessed and a safe course of action can be planned. The Site Manager or their authorized representative will contact the DNREC Case Manager and inform them about the situation.

7. Emergency Procedures

This section discusses emergency procedures.

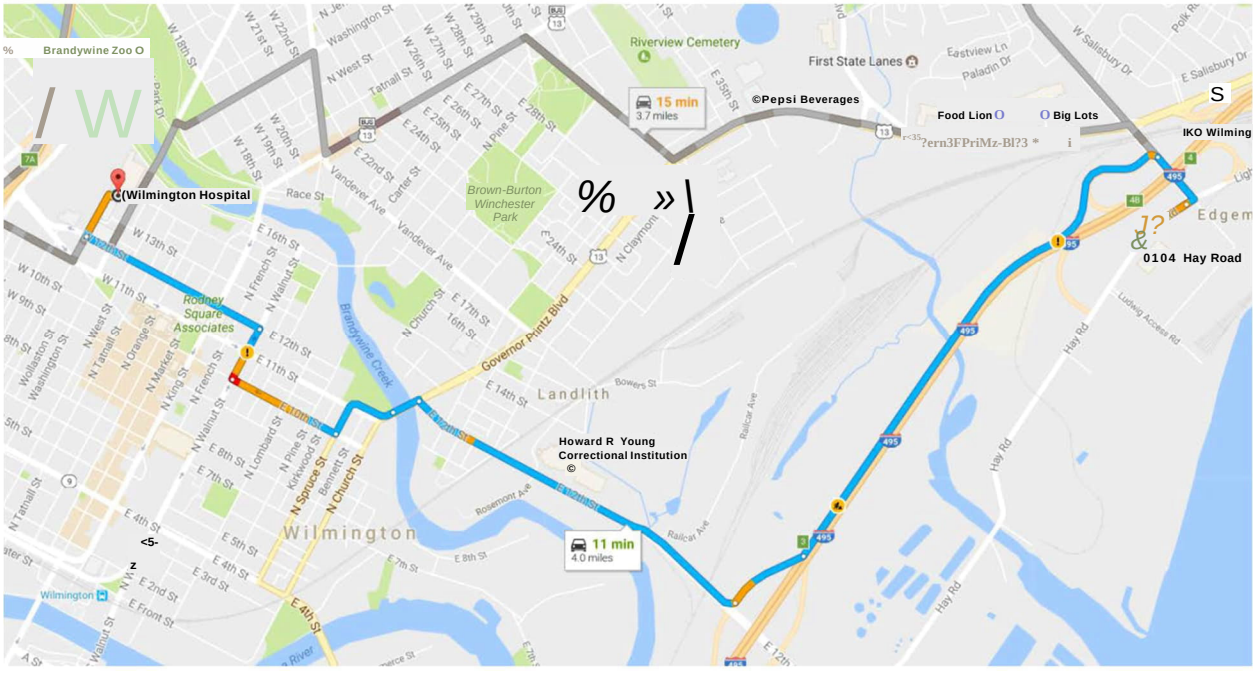
7.1 Possible Fire or Explosion

The Competent Person will notify the proper authorities for emergency response (fire and police personnel). Alert the appropriate regulatory authorities (telephone numbers provided in Section 7.3) and will also notify the Site Manager.

7.2 Personal Injury

Any injured Site worker must seek immediate medical care. If a Site worker is seriously injured, the Competent Person will call an ambulance to transport the individual to the nearest hospital for emergency room care. The nearest hospital to the Site is Christiana Care Wilmington Hospital at 501 W 14th Street, Wilmington, Delaware 19801. Figure 1 shows a route to Christiana Care Wilmington Hospital. The Competent Person will notify the Site Manager of any Site worker who needs medical attention via ambulance or needs to see a medical professional.

Figure 1. Hospital Route



7.3 Emergency Evacuation

In case the Site requires an emergency evacuation, all personnel onsite will stop work immediately, shut off equipment, and assemble at a location designated by the Competent Person. The Site Manager will be notified if Site evacuation is required.

In the case of an emergency, relevant contact information is provided as follows:

- Emergency Telephone Numbers
  - Police/Local, State 911
  - Ambulance 911
  - Brandywine Hundred Fire Company 911
  - Wilmington Hospital (Christiana Care) (302) 733-1000
  - DNREC 24-hour emergency hot line (800) 662-8802
  - Federal
    - National Response Center (800) 424-8802
    - Poison Control Center (800) 222-1222
    - EPA Environmental Response Team (215) 814-5000
- Contact
  - Site Manager
    - Office To be determined

8. List of Environmental Documents

Environmental documents are as follows:

- RCRA Consent Order issued by the Superior Court of State of Delaware requiring DuPont to obtain a RCRA CAP (2001)
- Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility (May 25, 2004)
- Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284) (April 29, 2009)
- PCCP State Permit No. HW31B04 (March 2010)
- Parsons' PCCP - Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant (March 2010)
- Policy Soil/Material Re-Use Policy at Hazardous Substance Cleanup Act Regulated Sites (Soil Reuse Policy) (May 2023)
- Holland Mulch Site Phase II Investigation Summary Letter Report (July 26, 2010)
- Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284) (March 3, 2011)
- Parsons Risk Analysis for DuPont Edge Moor Site (June 2013)
- Corrective Measures Study for DuPont Edge Moor Site (August 2013)
- Statement of Basis (April 29, 2021)
- Corrective Action Permit (April 29, 2021)
- Final Decision and Response to Comments (FDRTC or Final Decision) (April 29, 2021)
- DNREC-RS' *Guidance for Notification Requirements, and HSCA Reporting Level Table* (January 2013) [Updated December 2025]).
- Verdantas' Solid Waste Management Units 1 and 2 Sampling and Analyses Plan, (November 21, 2022)

- Verdantas' Solid Waste Management Units 1 and 2 Data report (Revised March 2024)
- Verdantas' Excavation and Materials Handling and Contingency Plan, August 2023, (Revised April 2025)

9. Identification of the Competent Person

I, _____ _____, am the designated Competent
(First Name) (Last Name)
Person at the Edgemoor Site.

My role at the Site includes but may not be limited to the following:

- Awareness of the Site hazards
- Awareness of Site history
- Monitoring of onsite materials during soil-disturbing activities
- Having the ability to stop work
- Maintain my certification and ability to recognize and react to conditions of environmental and human health concern in accordance with OSHA's HAZWOPER standard, 29 CFR 1910.120 and 1926.65

Signature of Competent Person: _____

10. References

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section's (DNREC-RS's). 2021. Final Decision and Response to Comments. April 29.

Department of Natural Resources and Environmental Control, Division of Waste and Hazardous Substances, Remediation Section (DNREC-RS). 2025. *Guidance for Notification Requirements, and HSCA Reporting Level Table.* December.

Department of Natural Resources and Environmental Control (DNREC). 2023. *Guidance for Soil/Material Re-Use by the Hazardous Substance Cleanup Act. May.*

Parsons. 2010. Post-Closure Care Plan; Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant. March.

Parsons. 2013. *Risk Analysis Study.* Prepared for Department of Natural Resources and Environmental Control. June.

U.S. Environmental Protection Agency (EPA). 2014. Office of Solid Waste and Emergency Response Directive 9200.1-120: Human Health Evaluation Manual, Supplemental Guidance: Update of Standard Default Exposure Factors. February.

Verdantas. 2022. Solid Waste Management Units 1 and 2 Sampling and Analysis Plan. November 21.

Verdantas. 2023. *Excavation and Materials Handling and Contingency Plan.* Prepared Department of Natural Resources and Environmental Control (DNREC). August. (Revised April 2025).

Verdantas. 2024. *Solid Waste Management Units 1 and 2 Data Report.*

DuPont. 2003. Corrective Action Plan. August.

DuPont. 2004. Closure Certification Report for Four Surface Impoundments at the DuPont Edge Moor Facility. May 25.

Dupont. 2009. Phase I RCRA Facility Investigation Report for DuPont Edge Moor White Pigment Plant (HW003A16, EPA ID: DED00800284). April 29.

Parsons. 2010. Holland Mulch Site Phase II Investigation Summary Letter Report. July 26.

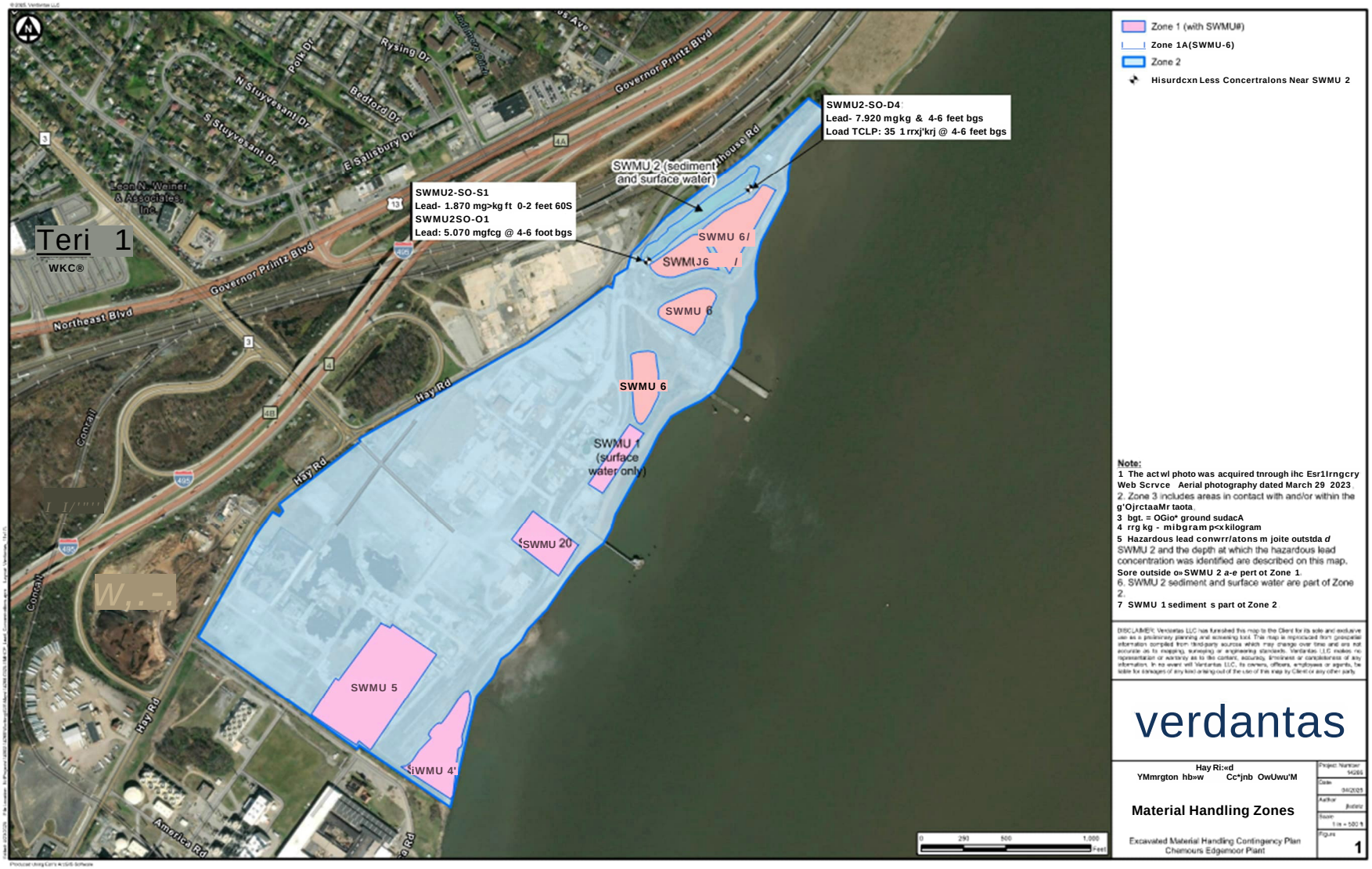
Parsons. 2011. Phase II RCRA Facility Investigation Report for DuPont Edge Moor Plant (HW-03A16, EPA ID: DED00800284). March 3.

Parsons. 2013. Corrective Measures Study. August.

Department of Natural Resources and Environmental Control (DNREC). 2021. Statement of Basis. April 29.

Attachment 1
Material-Handling Zones

Attachment 1. Material-Handling Zones



Attachment 2
Sediment and Stormwater Management Plan Phase 1 Proof of Concept

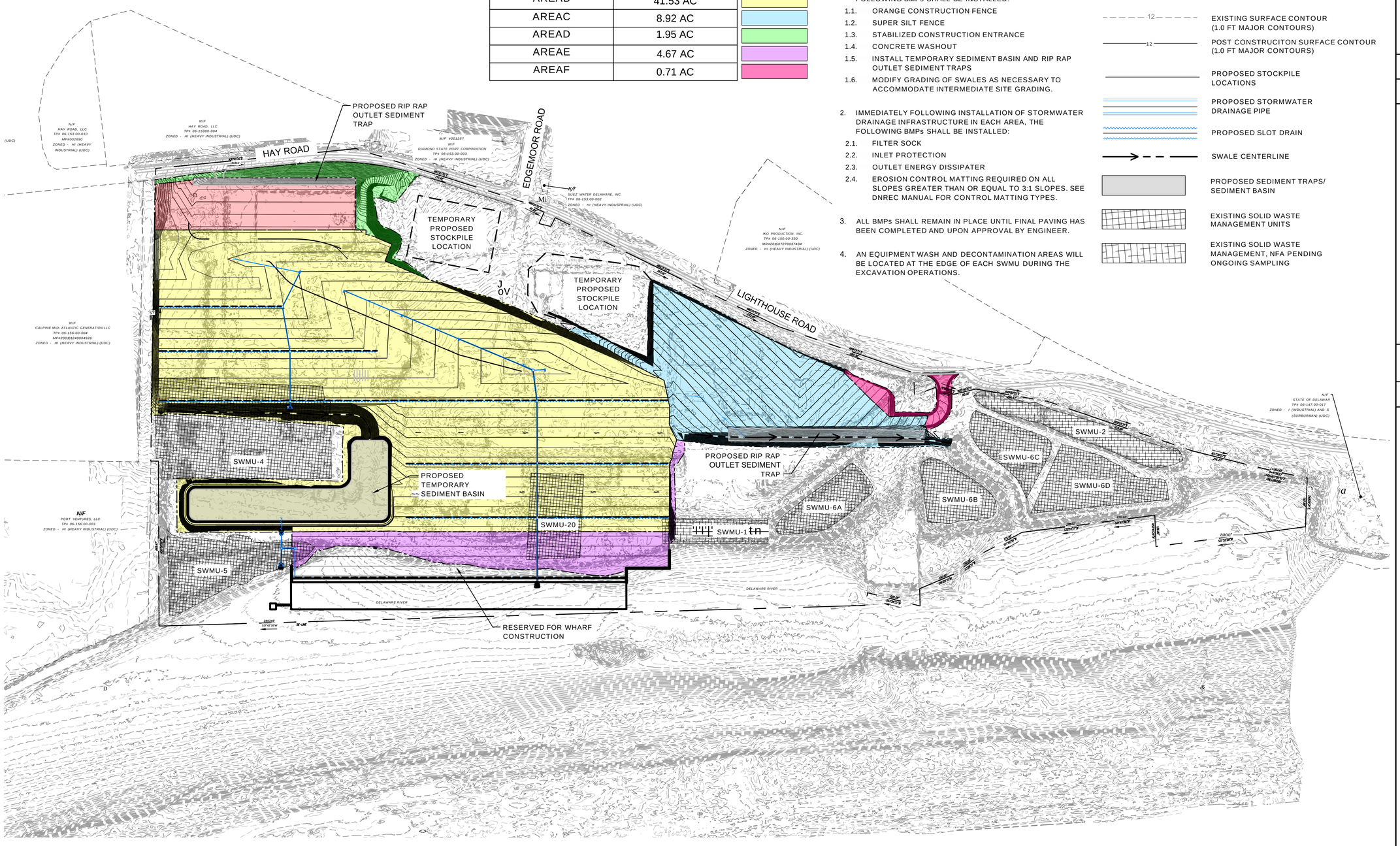
ACREAGE BY DRAINAGE AREA	
AREA A	3.43 AC
AREAB	41.53 AC
AREAC	8.92 AC
AREAD	1.95 AC
AREAE	4.67 AC
AREAF	0.71 AC

SEQUENCING NOTES:

1. PRIOR TO ANY EARTHWORK COMMENCING, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 1.1. ORANGE CONSTRUCTION FENCE
   - 1.2. SUPER SILT FENCE
   - 1.3. STABILIZED CONSTRUCTION ENTRANCE
   - 1.4. CONCRETE WASHOUT
   - 1.5. INSTALL TEMPORARY SEDIMENT BASIN AND RIP RAP OUTLET SEDIMENT TRAPS
   - 1.6. MODIFY GRADING OF SWALES AS NECESSARY TO ACCOMMODATE INTERMEDIATE SITE GRADING.
2. IMMEDIATELY FOLLOWING INSTALLATION OF STORMWATER DRAINAGE INFRASTRUCTURE IN EACH AREA, THE FOLLOWING BMPs SHALL BE INSTALLED:
   - 2.1. FILTER SOCK
   - 2.2. INLET PROTECTION
   - 2.3. OUTLET ENERGY DISSIPATER
   - 2.4. EROSION CONTROL MATTING REQUIRED ON ALL SLOPES GREATER THAN OR EQUAL TO 3:1 SLOPES. SEE DNREC MANUAL FOR CONTROL MATTING TYPES.
3. ALL BMPs SHALL REMAIN IN PLACE UNTIL FINAL PAVING HAS BEEN COMPLETED AND UPON APPROVAL BY ENGINEER.
4. AN EQUIPMENT WASH AND DECONTAMINATION AREAS WILL BE LOCATED AT THE EDGE OF EACH SWMU DURING THE EXCAVATION OPERATIONS.

LEGEND

- DRAINAGE BOUNDARY
- ADJACENT PROPERTY LINE
- EXISTING SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- POST CONSTRUCITON SURFACE CONTOUR (1.0 FT MAJOR CONTOURS)
- PROPOSED STOCKPILE LOCATIONS
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED SLOT DRAIN
- SWALE CENTERLINE
- PROPOSED SEDIMENT TRAPS/ SEDIMENT BASIN
- EXISTING SOLID WASTE MANAGEMENT UNITS
- EXISTING SOLID WASTE MANAGEMENT, NFA PENDING ONGOING SAMPLING



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NOT FOR CONSTRUCTION

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1" = 200'

NO.	DATE	REVISION	CHK
0	01.30.26	ISSUED FOR PERMITTING	LM

DSGN: A. DUBOSE | DR: L. MARTIN | CHK: S. RUTKOWSKI | APVD: C. LAWRENCE

BY | APVD
SR

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DELAWARE CONTAINER TERMINAL

EDGEMOOR, DELAWARE

ENSTRUCTURE DCT LLC

SEDIMENT AND STORMWATER MANAGEMENT PLAN - PHASE 1

PROOF OF CONCEPT ATTACHEMENT 1

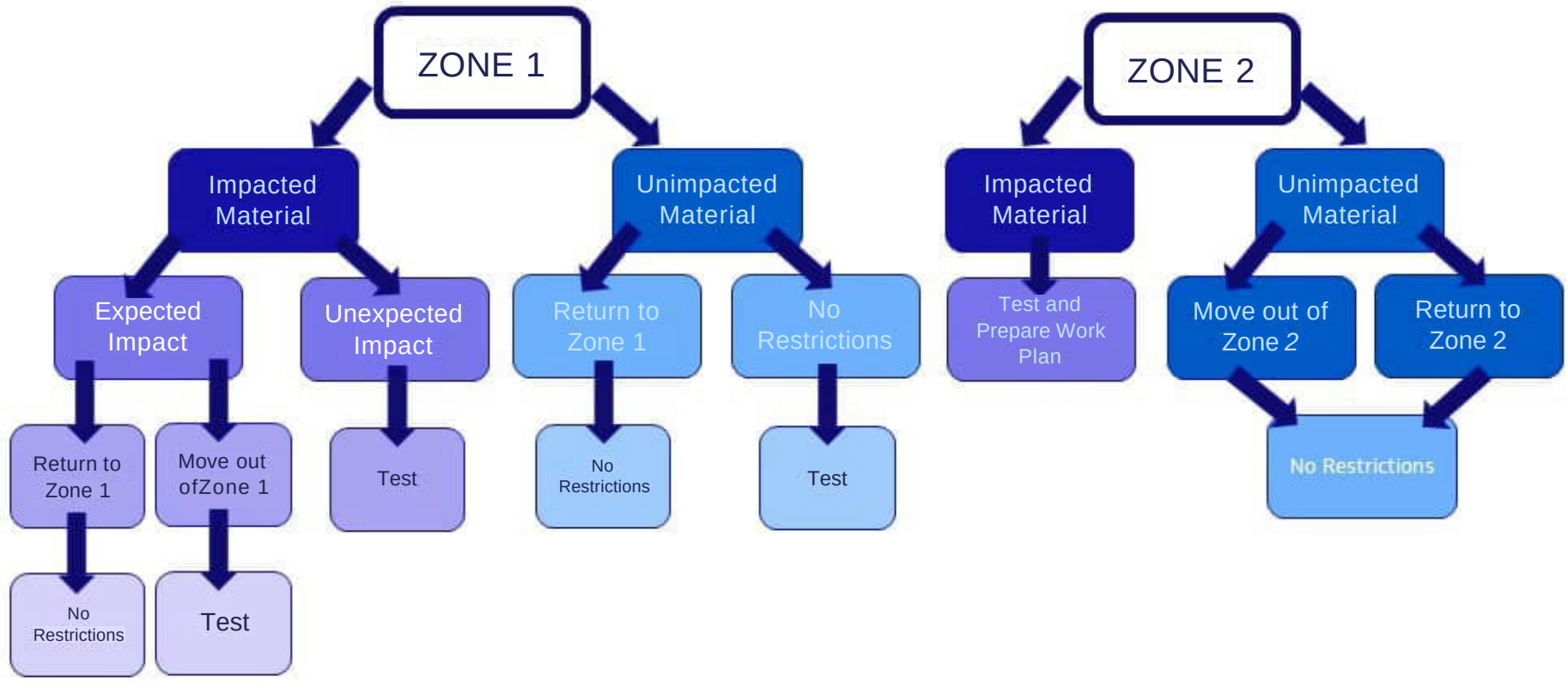
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Attachment 3
Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

Attachment 3. Soil, Concrete, Groundwater, and Surface Water Sample Testing Decision Matrices

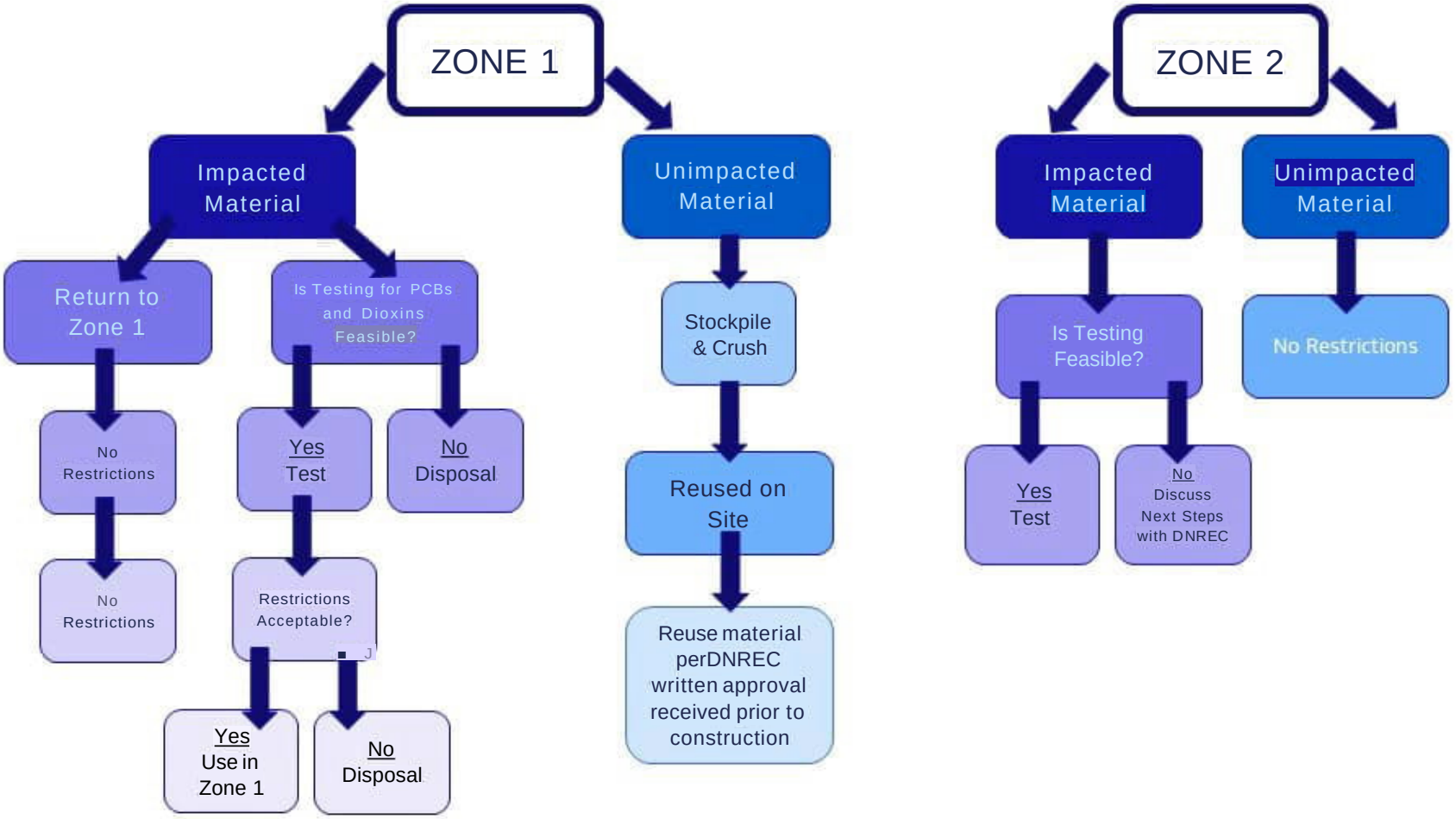
Figure A3-1. Soil and Sediment Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns.

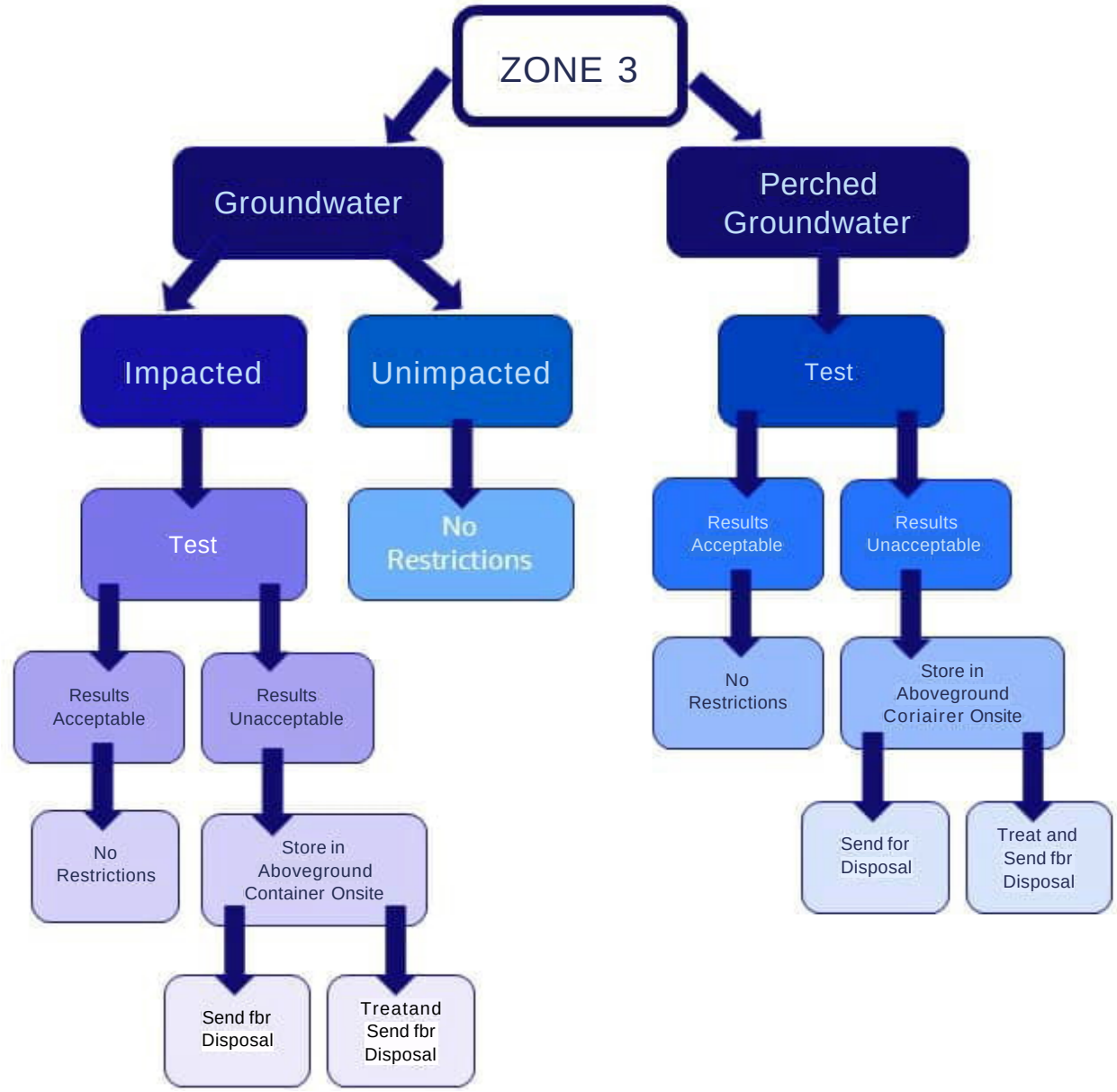
Testing requirements are established in Section 5 of the Excavation and Materials Handling and Contingency Plan (EMHCP) (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-2. Concrete, Crushed Stone, and Other Material Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may be an indication of other environmental concerns. Testing requirements are established in Section 5 of the EMHCP (his attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

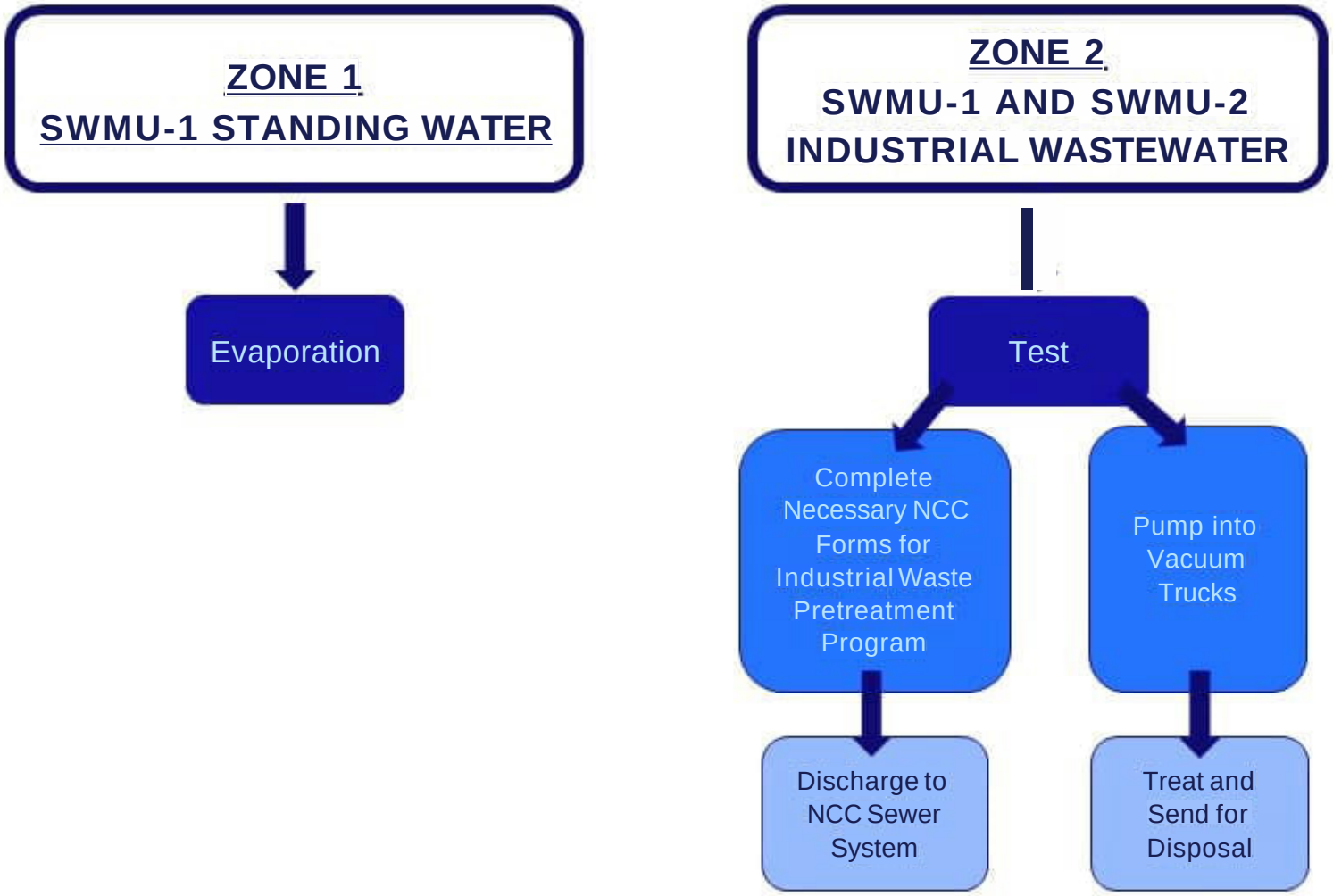
Figure A3-3. Groundwater Testing Decision Matrix



Impacted materials: Materials that have visible discoloring, obvious chemical or petroleum odors, obvious free-draining nonaqueous liquids, indications of organics, indications of combustible vapors, or indications of iron-rich material. If titanium dioxide is observed (blue or black in color), it may bean indication of other environmental concerns.

Testing requirements are established in Section 5 of the EMHCP (this attachment is part ofVerdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Figure A3-4. Surface Water Testing Decision Matrix



Testing requirements are established in Section 5 of the EMHCP (this attachment is part of Verdantas' EMHCP dated August 2023 [revised April 2025] and should only be viewed in the context of that Plan).

Attachment 4
Guidance for Notification Requirements

DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

DIVISION OF WASTE AND HAZARDOUS SUBSTANCES

Remediation Section

Hazardous Substance Cleanup Act
Guidance for Notification Requirements

And

HSCA Reporting Level Table

Updated December 2025

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1.0 Introduction

1.1 The purpose of this document is to provide guidance for Section 3.1 of the Regulations Governing Hazardous Substance Cleanup and to help owners or operators understand how and when to notify the State of contamination.

1.2 This regulation and guidance is designed to provide notification to the State of Delaware of hazardous or potentially hazardous conditions that exist on property that is planned for development.

1.3 The notification is intended to facilitate possible remedial actions that will limit exposure to the public, provide cost-effective oversight, and limit potential liability for property owners.

1.4 Notification, in and of itself, does not mean that remediation will be initiated; however, it does mean that the Department of Natural Resources and Environmental Control, Remediation Section (DNREC-RS) will review the available information and decide if further action is warranted.

2.0 Releases and Potential Releases which Require Notification

2.1 Any exceedance of the reporting level table will be subject to the notification requirement if the owner or operator is planning on undertaking land disturbing activities at a facility.

2.1.1 Land disturbing activities include, but are not limited to, digging, drilling, excavating, grading, clearing, earth moving, filling, or performing any subsurface work. Land disturbing activities do not include environmental investigation, planning, designing, or engineering work related to the facility.

2.1.2 Example - A facility owner has a Phase II Environmental Site Assessment (ESA) performed and analytical data is obtained. One of the data points exceeds the reporting level, and it is in an area where they are planning to develop the property or dig a new utility trench. The owner must notify DNREC-RS at least 30 days in advance of the land disturbing activity, so DNREC-RS has enough time to review the report and determine what further action is appropriate.

2.2 Any evidence of a release during land disturbing activities will require notification within 24 hours to the Department's 24 Hour Release Hotline (800-662-8802). Land disturbing activities may continue on another part of the property as long as it is not immediately adjacent to the area where there is evidence of a release. This will prevent situations where all work must stop because the workers can move to another area on the facility and continue to work; however, if they find evidence of a release at the new area, they must continue moving until they can complete their task without finding evidence of a release.

2.2.1 Evidence of a release includes, but is not limited to, appearance of a sheen, soil staining, or odors characteristic of hazardous substances; buried materials that may contain hazardous substances; or, presence of free product.

2.2.2 Example - A facility owner starts developing a facility without performing a Phase I or Phase II ESA and discovers evidence of a release. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC Emergency Prevention and Response Section (DNREC-EPRS) may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

2.2.3 Example - A facility owner has a Phase II ESA performed and analytical data is obtained. None of the data points exceed the reporting levels, so the facility owner does not need to notify DNREC-RS. However, when they begin digging for the new development or utility trench, they notice free product. The owner must call the 24 Hour Release Hotline within 24 hours of the discovery. The DNREC-EPRS may handle the response or they may refer it to DNREC-RS. Once DNREC-RS is notified of the situation, DNREC-RS will determine what further action may be appropriate.

3.0 Who is Required to Notify

3.1 The owner or operator is required to notify DNREC-RS if (1) he is planning on undertaking land disturbing activities and he knows that the land has concentrations of hazardous substances at or

above the reporting levels; or (2) he became aware of a release while land disturbing activities were taking place at the facility.

3.1.1 An owner or operator is anyone who owns or operates a facility or who previously owned or operated a facility. For example, a facility manager is an operator because he is involved in operating the facility and is more likely to be aware of possible contamination.

3.2 A Brownfield Developer, prospective purchaser, or a person acting on behalf of the Brownfield Developer, the prospective purchaser, or the owner or operator can report a release to DNREC-RS if they are aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities.

3.3 Any person who is aware of (1) contamination that is at or above the reporting levels; or (2) evidence of a release that becomes apparent during land disturbing activities is encouraged to notify DNREC-RS, but is not required to do so.

4.0 How Owners or Operators Notify DNREC

4.1 Notification prior to land disturbing activities

4.1.1 The owner or operator should submit a letter, via email or hard copy, that includes the current address and tax parcel of the property, current and future use, a copy of a Phase I and/or Phase II ESA report, including laboratory data in an editable format (Excel or EDD), and any anecdotal evidence to DNREC-RS at least 30 days prior to undertaking land disturbing activities. This will provide DNREC-RS with enough time to review the information, meet with the owner or operator, and determine what future actions are appropriate.

4.2 Notification during land disturbing activities

4.2.1 The owner or operator, or any person acting on his behalf, must notify the 24 Hour Release Hotline (800-662-8802) within 24 hours of noticing the evidence of release. The DNREC-EPRS will determine the next appropriate action.

5.0 How DNREC-RS notifies an owner or operator of a release

5.1 If DNREC-RS learns of a release at a facility, DNREC-RS will contact the owner or operator via phone call and follow up with a letter, via email or hard copy, to obtain any necessary information, including whether they are planning to undertake land disturbing activities.

6.0 Reporting Levels

6.1 Reporting levels are the concentrations of hazardous substances in the environment that are at or above the levels established by the Department, except for groundwater for which the reporting level shall be equivalent to the levels contained in the Delaware and federal drinking water standards. Reporting levels are indicated in the reporting level table in Appendix A of this guidance and on the RS webpage.

6.2 Reporting levels are only used for notification purposes and should not be used for cleanup purposes. They are not the same as cleanup levels and they should not be used as default cleanup levels. They do not take the place of a human health or ecological risk assessment. There may be a risk to human health or the environment at concentrations in soil or groundwater less than the concentrations listed in the table of reporting levels. Reporting levels do not adequately account for cumulative risk to human health or the environment.

6.3 Reporting levels for Soil

6.3.1 Hazardous Substance Cleanup Act (HSCA) reporting levels for soil are primarily based on the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil, with several exceptions. Regardless of the current or future land use (i.e., residential, commercial, or industrial) at a facility, soil sample results at all facilities should be compared to the HSCA soil reporting level for the particular chemical(s) analyzed.

6.3.2 DNREC-RS recommends analysis of EPA's Target Analyte List (TAL) and Target Compound List (TCL) of chemicals, and any

other chemicals that may be present because of the operational history of the facility.

6.4 Reporting levels for Groundwater

6.4.1 HSCA reporting levels for groundwater are primarily based on the Delaware or federal Maximum Contaminant Level (MCL) for drinking water. Some contaminants have a Delaware MCL, a federal MCL, or both. In the instances where there is both a Delaware and federal MCL, the more conservative level is listed in the HSCA reporting level table. Groundwater sample results should be compared to the groundwater reporting level for the particular chemical(s) analyzed.

6.4.2 DNREC-RS recommends analysis of EPA's TAL and TCL of chemicals, and any other chemicals that may be present because of the operational history of the facility.

6.5 Comparing sample results to reporting levels

6.5.1 After soil and/or groundwater samples are collected from a facility, the individual sample results should be compared to the reporting levels listed in the most recent table provided by DNREC-RS in Appendix A of this guidance and on the RS webpage.

6.5.2 In general, samples that are field-screened only should be compared to the reporting levels and DNREC-RS should be notified if there is an exceedance of a reporting level and if land disturbing activities will occur. If a sample or samples were field-screened and exceed a reporting level, the owner or operator has the option to send those samples to a HSCA-approved laboratory for confirmatory analysis. If the results from the HSCA-approved laboratory do not exceed the reporting level, then DNREC-RS does not need to be notified of these sample results.

6.5.3 Below are two examples comparing sample results to HSCA reporting levels:

6.5.3.1 Example 1 - A Phase II ESA was conducted and soil and groundwater samples were collected from the property. Table 1A and IB show some of the soil and groundwater

sample results from the Phase II ESA, as compared to HSCA reporting levels for soil and groundwater, respectively. Based on this data, one or more soil samples exceed the reporting level for trichloroethylene, benz(a)anthracene, and benzo(a)pyrene. One groundwater sample is equal to the reporting level for trichloroethylene. Prior to undertaking any land disturbing activities, the owner or operator must notify DNREC-RS in writing that these particular hazardous substances are at or above the reporting level for soil and groundwater.

Table 1A: Soil Sample Results compared to HSCA Reporting Levels for Soil

Sample Name		SB01S	SB01D	SB02S
Sample Date		4/7/2013	4/7/2013	4/7/2013
Unit		mg/kg	mg/kg	mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Tetrachloroethylene	86	ND	ND	ND
Trichloroethylene	4.4	2	6	ND
Anthracene	17,000	1.7	ND	0.46
Benz[a]anthracene	1.5	**1.9**	ND	1
Benzo[a]pyrene	0.15	**1.9**	ND	1.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table IB: Groundwater Sample Results compared to HSCA Reporting Levels for Groundwater

Sample Name Sample Date Unit		MW01 4/17/2013 ug/l	MW02 4/17/2013 ug/l	MW03 4/17/2013 ug/l
Chemical Name	Groundwater Reporting Level (ug/l)			
Benzene	5	2	ND	1.1
Tetrachloroethylene	1	ND	ND	ND
Trichloroethylene	1	3.2	5	1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; ug/l = micrograms per liter

6.5.3.2 Example 2 - A limited soil investigation was conducted and soil was analyzed for metals using a field XRF instrument. Table 2A shows some of the results of screening the soil samples with a field XRF instrument. These results were compared to HSCA reporting levels and all three samples exceeded the reporting level for arsenic. These exceedances would need to be reported to DNREC-RS prior to undertaking land disturbing activities. However, all of the same samples were also sent to a lab for confirmatory analysis (Table 2B), which revealed that none of the soil samples exceeded the reporting level for arsenic (or any other analyte). Results from the XRF instrument were biased high. Therefore, DNREC-RS does not need to be notified of these sample results.

Table 2A: Soil Sample Results, field-screened with XRF, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	2.3	ND	**ND**
Arsenic	11	**15**	**28**	**19**
Barium	15,000	1119	1320	1282
Iron	74,767	47,800	53,000	52,000
Lead	400	73	37	66.1

ND = not detected; Bold and Shaded = meets or exceeds reporting level; mg/kg = milligrams per kilogram

Table 2B: Soil Sample Results, sent to confirmatory laboratory, compared to HSCA Reporting Levels for Soil

Sample Name Sample Date Unit		SO-01 4/7/2013 mg/kg	SO-02 4/7/2013 mg/kg	SO-03 4/7/2013 mg/kg
Chemical Name	Soil Reporting Level (mg/kg)			
Antimony	31	ND	ND	ND
Arsenic	11	6.7	10	9.6
Barium	15,000	273	298	307
Iron	74,767	47,800	53,000	52,000
Lead	400	26	10.5	24.6

ND = not detected; mg/kg = milligrams per kilogram

6.6 Updates to the Reporting Level Table

6.6.1 The reporting level table will be updated as significant changes occur, and the updated table will be available on the RS webpage (https://dnrec.delaware.gov/waste-hazardous/remediation/laws-regs-guidance/). Analytes may be added or deleted from the table. Therefore, please ensure that you are using the most current version of the reporting level table, available in Appendix A of this guidance and on the RS webpage. The analytes with concentrations that have been updated between the previous version and the current version of the reporting level table will be indicated. The date of the most recent revision will be listed in the heading of the table.

7.0 Procedure after the Department Receives Notification

The course of actions that the Department will take after notification will vary based on the way the notification was received and are described separately.

7.1 Notification Prior to undertaking land disturbing activities

7.1.1 If the owner or operator, Brownfield developer, or his representative, notified DNREC-RS in writing, of a release of a hazardous substance with concentrations at or above the reporting levels, at least 30 days before undertaking land disturbing activities in any area(s) potentially affected by the release at the property, then the following steps are taken:

Step 1: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 2: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or

operator of the program under which the facility will be addressed.

Step 3: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 4: DNREC-RS enters into a letter agreement with the owner or operator.

Step 5: DNREC-RS performs a full review of the available information for the site and determines whether the Phase II ESA is equivalent to a Facility Evaluation and if adequate data is present to perform an initial screening or if additional data is needed.

Step 6: If there is adequate data, DNREC-RS and the owner or operator will agree that an initial screening will be performed by a HSCA certified consultant or DNREC-RS.

Step 7: If additional data is needed, DNREC-RS will require the owner or operator to collect additional data and perform an initial screening using a HSCA certified consultant under the letter agreement. The owner or operator may choose to bypass this step and proceed through the HSCA process to receive a Certificate of Completion of Remedy (COCR) for the facility under the Voluntary Cleanup Program (VCP) or Brownfields Development Program (BDP).

Step 8: If the initial screening indicates that the release does not exceed acceptable risk, then DNREC-RS issues a Conditional No Further Action. If the initial screening exceeds the acceptable risk, then the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.2 Notification during land disturbing activities

7.2.1 If evidence of a release, such as a stained soil, free product or buried materials, was discovered during land disturbing activities, the owner or operator must notify the 24 Hour

Release Hotline (800-662-8802) within 24 hours of learning of the evidence of release, and the following steps are taken:

Step 1: DNREC Emergency Prevention and Response Section (EPRS) visits the site and determines that (1) no action is needed; (2) action under DNREC-RS is needed and refers the facility to DNREC-RS; (3) immediate action is needed and requires the owner or operator to perform the action; (4) residual contamination is present after the immediate action and refers the facility to DNREC-RS; or (5) the site should be referred to a section other than DNREC-RS.

Step 2: DNREC-RS receives notification from EPRS and performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site. One of the following will occur:

(1) DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

(2) DNREC-RS determines that the action taken by EPRS meets the interim action definition under the Regulations Governing Hazardous Substance Cleanup and the site proceeds through the HSCA process to receive a COCR under the VCP or BDP.

Step 5: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

7.3 Notification by DNREC to the owner or operator

7.3.1 If DNREC-RS becomes aware of a release that exceeds a reporting level or evidence of a release, such as stained soil, free product or buried materials, the following steps are taken:

Step 1: DNREC-RS contacts the owner or operator and collects additional information, including whether the owner is planning on undertaking land disturbing activities.

Step 2: DNREC-RS performs a preliminary review of the available information for the site, including Phase I and Phase II ESA, and determines that (1) no action under HSCA is needed; (2) further action under HSCA is needed; or (3) the facility needs to be referred to a different program.

Step 3: If no action is needed, DNREC-RS sends a letter to the owner or operator stating that he can proceed with the land disturbing activities and no action under HSCA is needed. If the facility needs to be referred to a different program, DNREC-RS sends a letter notifying the owner or operator of the program under which the facility will be addressed.

Step 4: If further action is needed, DNREC-RS assigns a tracking number (DE number) and a project officer for the site.

Step 5: DNREC-RS enters into a letter agreement with the owner or operator for DNREC-RS to provide oversight of a Facility Evaluation (FE) and an initial screening performed by a HSCA certified consultant.

Step 6: DNREC-RS reviews the FE and the initial screening and approves the report. DNREC-RS determines that (1) the initial screening does not exceed the acceptable risk and issues a Conditional No Further Action; or (2) the initial screening exceeds the acceptable risk and the owner or operator must enter into a settlement agreement with DNREC-RS and the facility will proceed through the HSCA process to receive a COCR under the VCP or BDP.

8.0 Penalty for Failure to Notify

8.1 If an owner or operator fails to notify DNREC-RS of hazardous substances at or above reporting levels prior to undertaking land disturbing activities or fails to notify DNREC-RS or EPRS of evidence of a release during land disturbing activities, then a Public Hearing will occur and the Department may issue a Secretary's Order to the owner or operator.

8.2 Under HSCA §9109(f), the Secretary has the authority to issue an order to anyone who fails to report a release as required by the regulations. If an owner or operator fails to comply with the Secretary's order, they may be subject to a civil penalty of up to $10,000 per day for each day of non-compliance.

Appendix A

HSCA Reporting Level Table

The reporting level table is arranged in the following manner:

Analyte is indicated in column 1.
Chemical Abstracts Service (CAS) registry number corresponding to the analyte is indicated in column 2. If a CAS number is not available for an analyte, another identifier may be indicated in this column for administrative purposes only.
Whether the analyte is carcinogenic or non-carcinogenic is indicated in column 3.
If analyte is part of EPA's Target Analyte List (TAL) or Target Compound List (TCL), 'TAL' or 'TCL' is indicated in column 4.
Reporting level for soil (direct contact) is indicated in milligrams per kilogram (mg/kg) in column 5.
Key describing how soil (direct contact) reporting level was derived is included in column 6.
Reporting level for groundwater (ingestion) is indicated in micrograms per liter (ug/l) in column 7.
Key describing how groundwater (ingestion) reporting level was derived is included in column 8.

The keys, which describe how the reporting levels were derived, are defined as follows:

BTV	Background Threshold Value was calculated based on samples from Delaware background studies. For soil: The concentration is either a 95% Upper Tolerance Limit (UTL) with 95% coverage (for metals), which represents the value below which 95% of the population values are expected to fall with 95% confidence, or a 95% Upper Simultaneous Limit (USL) (for PAHs) with the exception of Arsenic. Arsenic's background concentration was established previously.
DE MCL	Delaware Maximum Contaminant Level
DRO	DNREC Tier 0 action level for TPH-DRO was adopted as the reporting level
GRO	DNREC Tier 0 action level for TPH-GRO was adopted as the reporting level
MAX	Maximum ceiling value was adopted as the reporting level
MCL	Federal Maximum Contaminant Level
NIOSH	Reporting level was based on the National Institute for Occupational Safety & Health (NIOSH) Exposure Limit
PYR	EPA RSL for Pyrene was adopted as the reporting level for Phenanthrene, although Phenanthrene is not included within the EPA RSL table
RSL	EPA Regional Screening Level (with TR = IE-05 and THQ = 0.1)
TAL	EPA Target Analyte List for Metals and Cyanide
TCL	EPA Target Compound List for Volatile Compounds, Semivolatile Compounds, and Pesticides/Aroclors
mg/kg	milligrams per kilogram
ug/l	micrograms per liter
c	carcinogenic
n	non-carcinogenic

Note: EPA's Regional Screening Levels are found at https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. EPA's RSL calculator is found at https://epa-prgs.ornl.gov/cgi-bin/chemicals/csl_search.

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acephate	30560-19-1	n		19	RSL		
Acetaldehyde	75-07-0	n		82	RSL		
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	n		32	RSL		
Acetochlor	34256-82-1	n		1300	RSL		
Acetone	67-64-1	n	TCL	70000	RSL		
Acetone Cyanohydrin	75-86-5	n		100000	MAX		
Acetonitrile	75-05-8	n		810	RSL		
Acetophenone	98-86-2	n	TCL	7800	RSL		
Acetylaminofluorene, 2-	53-96-3	c		1.4	RSL		
Acrolein	107-02-8	n		0.14	RSL		
Acrylamide	79-06-1	c		2.4	RSL		
Acrylic Acid	79-10-7	n		20	RSL		
Acrylonitrile	107-13-1	c		2.5	RSL		
Adiponitrile	111-69-3	n		100000	MAX		
Alachlor	15972-60-8	c		97	RSL	2	MCL
Aldicarb	116-06-3	n		63	RSL	3	MCL
Aldicarb Sulfone	1646-88-4	n		63	RSL	2	MCL
Aldicarb sulfoxide	1646-87-3					4	MCL
Aldrin	309-00-2	c	TCL	0.39	RSL		
Allyl Alcohol	107-18-6	n		3.5	RSL		
Allyl Chloride	107-05-1	n		1.7	RSL		
Aluminum	7429-90-5	n	TAL	77000	RSL		
Aluminum Phosphide	20859-73-8	n		31	RSL		
Ametryn	834-12-8	n		570	RSL		
Aminobiphenyl, 4-	92-67-1	c		0.26	RSL		
Aminophenol, m-	591-27-5	n		5100	RSL		
Aminophenol, o-	95-55-6	n		250	RSL		
Aminophenol, p-	123-30-8	n		1300	RSL		
Amitraz	33089-61-1	n		160	RSL		
Ammonium Picrate	131-74-8	n		130	RSL		
Ammonium Sulfamate	7773-06-0	n		16000	RSL		
Amyl Alcohol, tert-	75-85-4	n		82	RSL		
Aniline	62-53-3	n		440	RSL		
Anthraquinone, 9,10-	84-65-1	n		130	RSL		
Antimony (metallic)	7440-36-0	n	TAL	31	RSL	6	MCL
Antimony Pentoxide	1314-60-9	n		39	RSL		
Antimony Tetroxide	1332-81-6	n		31	RSL		
Antimony Trioxide	1309-64-4	n		50000	NIOSH		
Arsenic, Inorganic	7440-38-2	c	TAL	11	BTV	10	MCL
Arsine	7784-42-1	n		0.27	RSL		
Asulam	3337-71-1	n		23000	RSL		
Atrazine	1912-24-9	c	TCL	24	RSL	3	MCL
Auramine	492-80-8	c		6.2	RSL		
Avermectin B1	65195-55-3	n		25	RSL		
Azinphos-methyl	86-50-0	n		190	RSL		
Azobenzene	103-33-3	c		56	RSL		
Azodicarbonamide	123-77-3	n		8600	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Barium	7440-39-3	n	TAL	15000	RSL	2000	MCL
Benfluralin	1861-40-1	n		390	RSL		
Benomyl	17804-35-2	n		3200	RSL		
Bensulfuron-methyl	83055-99-6	n		13000	RSL		
Bentazon	25057-89-0	n		1900	RSL		
Benzaldehyde	100-52-7	c	TCL	1700	RSL		
Benzene	71-43-2	c	TCL	12	RSL	5	MCL
Benzene, Trimethyl	25551-13-7	n		51	RSL		
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	n		19	RSL		
Benzenethiol	108-98-5	n		78	RSL		
Benzidine	92-87-5	c		0.0053	RSL		
Benzoic Acid	65-85-0	n		100000	MAX		
Benzotrichloride	98-07-7	c		0.53	RSL		
Benzyl Alcohol	100-51-6	n		6300	RSL		
Benzyl Chloride	100-44-7	c		11	RSL		
Beryllium and compounds	7440-41-7	n	TAL	160	RSL	4	MCL
Bifenox	42576-02-3	n		570	RSL		
Biphenthrin	82657-04-3	n		950	RSL		
Biphenyl, 1,1'-	92-52-4	n	TCL	47	RSL		
Bis(2-chloro-l-methylethyl) ether	108-60-1	n	TCL	3100	RSL		
Bis(2-chloroethoxy)methane	111-91-1	n	TCL	190	RSL		
Bis(2-chloroethyl)ether	111-44-4	c	TCL	2.3	RSL		
Bis(chloromethyl)ether	542-88-1	c		0.00083	RSL		
Bisphenol A	80-05-7	n		3200	RSL		
Boron And Borates Only	7440-42-8	n		16000	RSL		
Boron Trichloride	10294-34-5	n		100000	MAX		
Boron Trifluoride	7637-07-2	n		3100	RSL		
Bromate	15541-45-4	c		9.9	RSL	10	MCL
Bromo-2-chloroethane, 1-	107-04-0	n		0.35	RSL		
Bromo-3-fluorobenzene, 1-	1073-06-9	n		23	RSL		
Bromo-4-fluorobenzene, 1-	460-00-4	n		23	RSL		
Bromoacetic acid	79-08-3	n		110	RSL	60	MCL
Bromobenzene	108-86-1	n		290	RSL		
Bromochloromethane	74-97-5	n	TCL	150	RSL		
Bromodichloromethane	75-27-4	c	TCL	2.9	RSL	80	MCL
Bromoform	75-25-2	c	TCL	190	RSL	80	MCL
Bromomethane	74-83-9	n	TCL	6.8	RSL		
Bromophos	2104-96-3	n		390	RSL		
Bromopropane, 1-	106-94-5	c		16	RSL		
Bromoxynil	1689-84-5	c		53	RSL		
Bromoxynil Octanoate	1689-99-2	c		67	RSL		
Butadiene, 1,3-	106-99-0	c		0.76	RSL		
Butanol, n-	71-36-3	n		7800	RSL		
Butyl Alcohol, t-	75-65-0	c		14000	RSL		
Butyl alcohol, sec-	78-92-2	n		100000	MAX		
Butylate	2008-41-5	n		3900	RSL		
Butylated hydroxyanisole	25013-16-5	c		27000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Butylated hydroxytoluene	128-37-0	c		1500	RSL		
Butylbenzene, n-	104-51-8	n		3900	RSL		
Butylbenzene, sec-	135-98-8	n		7800	RSL		
Butylbenzene, tert-	98-06-6	n		7800	RSL		
Cacodylic Acid	75-60-5	n		1300	RSL		
Cadmium	7440-43-9	n	TAL	7.1	RSL	5	MCL
Caprolactam	105-60-2	n	TCL	31000	RSL		
Captafol	2425-06-1	c		36	RSL		
Captan	133-06-2	c		2400	RSL		
Carbaryl	63-25-2	n		6300	RSL		
Carbofuran	1563-66-2	n		320	RSL	40	MCL
Carbon Disulfide	75-15-0	n	TCL	770	RSL		
Carbon Tetrachloride	56-23-5	c	TCL	6.5	RSL	5	MCL
Carbonyl Sulfide	463-58-1	n		67	RSL		
Carbosulfan	55285-14-8	n		630	RSL		
Carboxin	5234-68-4	n		6300	RSL		
Ceric oxide	1306-38-3	n		100000	MAX		
Chloral Hydrate	302-17-0	n		7800	RSL		
Chloramben	133-90-4	n		950	RSL		
Chloranil	118-75-2	c		13	RSL		
Chlordane (alpha)	5103-71-9	n	TCL	36	RSL		
Chlordane (gamma)	5103-74-2	n	TCL	36	RSL		
Chlordane (technical mixture)	12789-03-6	c		17	RSL	2	MCL
Chlordecone (Kepone)	143-50-0	c		0.54	RSL		
Chlorfenvinphos	470-90-6	n		44	RSL		
Chlorimuron, Ethyl-	90982-32-4	n		5700	RSL		
Chlorine	7782-50-5	n		0.18	RSL		
Chlorine Dioxide	10049-04-4	n		2300	RSL		
Chlorite (Sodium Salt)	7758-19-2	n		2300	RSL	1000	MCL
Chloro-l,l-difluoroethane, 1-	75-68-3	n		54000	RSL		
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	c		0.036	RSL		
Chloro-2-methylaniline HCl, 4-	3165-93-3	c		12	RSL		
Chloro-2-methylaniline, 4-	95-69-2	c		54	RSL		
Chloroacetaldehyde, 2-	107-20-0	c		26	RSL		
Chloroacetic Acid	79-11-8	n		220	RSL	60	MCL
Chloroacetophenone, 2-	532-27-4	n		43000	RSL		
Chloroaniline, p-	106-47-8	c	TCL	27	RSL		
Chlorobenzene	108-90-7	n	TCL	280	RSL	100	MCL
Chlorobenzene sulfonic acid, p-	98-66-8	n		6300	RSL		
Chlorobenzilate	510-15-6	c		49	RSL		
Chlorobenzoic Acid, p-	74-11-3	n		1900	RSL		
Chlorobenzotrifluoride, 4-	98-56-6	c		22	RSL		
Chlorobutane, 1-	109-69-3	n		3100	RSL		
Chlorodifluoromethane	75-45-6	n		49000	RSL		
Chloroethanol, 2-	107-07-3	n		1600	RSL		
Chloroform	67-66-3	c	TCL	3.2	RSL	80	MCL
Chloromethane	74-87-3	n	TCL	110	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Chloromethyl Methyl Ether	107-30-2	c		0.2	RSL		
Chloronitrobenzene, o-	88-73-3	c		18	RSL		
Chloronitrobenzene, p-	100-00-5	n		44	RSL		
Chlorophenol, 2-	95-57-8	n	TCL	390	RSL		
Chloropicrin	76-06-2	n		2	RSL		
Chlorothalonil	1897-45-6	c		320	RSL		
Chlorotoluene, o-	95-49-8	n		1600	RSL		
Chlorotoluene, p-	106-43-4	n		1600	RSL		
Chlorozotocin	54749-90-5	c		0.023	RSL		
Chlorpropham	101-21-3	n		320	RSL		
Chlorpyrifos	2921-88-2	n		63	RSL		
Chlorpyrifos Methyl	5598-13-0	n		630	RSL		
Chlorsulfuron	64902-72-3	n		3200	RSL		
Chlorthal-dimethyl	1861-32-1	n		630	RSL		
Chlorthiophos	60238-56-4	n		51	RSL		
Chromium(III), (Insoluble Salts)	16065-83-1	n		50000	NIOSH		
Chromium(III), (Soluble Compounds)	16065-83-1	n		85000	RSL		
Chromium(VI)	18540-29-9	c		9.5	RSL		
Chromium, Total	7440-47-3		TAL	210	BTV	100	MCL
Clofentezine	74115-24-5	n		820	RSL		
Cobalt	7440-48-4	n	TAL	34	BTV		
Copper	7440-50-8	n	TAL	3100	RSL	1300	MCL
Cresol, m-	108-39-4	n		3200	RSL		
Cresol, o-	95-48-7	n	TCL	3200	RSL		
Cresol, p-	106-44-5	n	TCL	1300	RSL		
Cresol, p-chloro-m-	59-50-7	n	TCL	6300	RSL		
Cresols	1319-77-3	n		6300	RSL		
Crotonaldehyde, trans-	123-73-9	c		3.7	RSL		
Cumene	98-82-8	n	TCL	1900	RSL		
Cupferron	135-20-6	c		25	RSL		
Cyanazine	21725-46-2	c		6.5	RSL		
Cyanides							
-Calcium Cyanide	592-01-8	n		78	RSL		
-Copper Cyanide	544-92-3	n		390	RSL		
-Cyanide (CN-)	57-12-5	n	TAL	24	RSL	200	MCL
-Cyanogen	460-19-5	n		78	RSL		
-Cyanogen Bromide	506-68-3	n		7000	RSL		
-Cyanogen Chloride	506-77-4	n		3900	RSL		
-Hydrogen Cyanide	74-90-8	n		23	RSL		
-Potassium Cyanide	151-50-8	n		160	RSL		
-Potassium Silver Cyanide	506-61-6	n		390	RSL		
-Silver Cyanide	506-64-9	n		7800	RSL		
-Sodium Cyanide	143-33-9	n		78	RSL	200	MCL
-Zinc Cyanide	557-21-1	n		3900	RSL		
Cyclohexane	110-82-7	n	TCL	6500	RSL		
Cyclohexane, l,2,3,4,5-pentabromo-6-chloro-	87-84-3	c		270	RSL		
Cyclohexanone	108-94-1	n		28000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Cyclohexene	110-83-8	n		310	RSL		
Cyclohexylamine	108-91-8	n		16000	RSL		
Cyfluthrin	68359-37-5	n		1600	RSL		
Cyromazine	66215-27-8	n		32000	RSL		
Dalapon	75-99-0	n		1900	RSL	200	MCL
Daminozide	1596-84-5	c		300	RSL		
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	n		440	RSL		
Demeton	8065-48-3	n		2.5	RSL		
Di(2-ethylhexyl)adipate	103-23-1	c		4500	RSL	400	MCL
Diallate	2303-16-4	c		89	RSL		
Diazinon	333-41-5	n		44	RSL		
Dibromo-3-chloropropane, 1,2-	96-12-8	c	TCL	0.053	RSL	0.2	MCL
Dibromoacetic acid	631-64-1	n		19	RSL	60	MCL
Dibromobenzene, 1,3-	108-36-1	n		31	RSL		
Dibromobenzene, 1,4-	106-37-6	n		780	RSL		
Dibromochloromethane	124-48-1	c	TCL	83	RSL	80	MCL
Dibromoethane, 1,2-	106-93-4	c	TCL	0.36	RSL	0.05	MCL
Dibromomethane (Methylene Bromide)	74-95-3	n		24	RSL		
Dibutyltin Compounds	E1790661	n		19	RSL		
Dicamba	1918-00-9	n		1900	RSL		
Dichloro-2-butene, 1,4-	764-41-0	c		0.021	RSL		
Dichloro-2-butene, cis-1,4-	1476-11-5	c		0.074	RSL		
Dichloro-2-butene, trans-1,4-	110-57-6	c		0.074	RSL		
Dichloroacetic Acid	79-43-6	c		110	RSL	60	MCL
Dichlorobenzene, 1,2-	95-50-1	n	TCL	1800	RSL	600	MCL
Dichlorobenzene, 1,4-	106-46-7	c	TCL	26	RSL	75	MCL
Dichlorobenzidine, 3,3'-	91-94-1	c	TCL	12	RSL		
Dichlorobenzophenone, 4,4'-	90-98-2	n		570	RSL		
Dichlorodifluoromethane	75-71-8	n	TCL	87	RSL		
Dichlorodiphenyldichloroethane, p,p'- (DDD)	72-54-8	c	TCL	23	RSL		
Dichlorodiphenyldichloroethylene, p,p'- (DDE)	72-55-9	c	TCL	20	RSL		
Dichlorodiphenyltrichloroethane, p,p'- (DDT)	50-29-3	c	TCL	19	RSL		
Dichloroethane, 1,1-	75-34-3	c	TCL	36	RSL		
Dichloroethane, 1,2-	107-06-2	c	TCL	4.6	RSL	5	MCL
Dichloroethylene, 1,1-	75-35-4	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, cis-1,2-	156-59-2	n	TCL	63	RSL	70	MCL
Dichloroethylene, trans-1,2-	156-60-5	n	TCL	70	RSL	100	MCL
Dichlorophenol, 2,4-	120-83-2	n	TCL	190	RSL		
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	n		700	RSL	70	MCL
Dichloropropane, 1,2-	78-87-5	n	TCL	16	RSL	5	MCL
Dichloropropane, 1,3-	142-28-9	n		1600	RSL		
Dichloropropanol, 2,3-	616-23-9	n		190	RSL		
Dichloropropene, 1,3-	542-75-6	c		18	RSL		
Dichlorvos	62-73-7	c		19	RSL		
Dicrotophos	141-66-2	n		1.9	RSL		
Dicyclopentadiene	77-73-6	n		1.3	RSL		
Dieldrin	60-57-1	c	TCL	0.34	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diethanolamine	111-42-2	n		130	RSL		
Diethylene Glycol Monobutyl Ether	112-34-5	n		1900	RSL		
Diethylene Glycol Monoethyl Ether	111-90-0	n		3800	RSL		
Diethylformamide	617-84-5	n		78	RSL		
Diethylstilbestrol	56-53-1	c		0.016	RSL		
Difenzoquat	43222-48-6	n		5200	RSL		
Diflubenzuron	35367-38-5	n		1300	RSL		
Difluoroethane, 1,1-	75-37-6	n		48000	RSL		
Difluoropropane, 2,2-	420-45-1	n		24000	RSL		
Dihydrosafrole	94-58-6	c		99	RSL		
Diisopropyl Ether	108-20-3	n		2200	RSL		
Diisopropyl Methylphosphonate	1445-75-6	n		6300	RSL		
Dimethipin	55290-64-7	n		1400	RSL		
Dimethoate	60-51-5	n		140	RSL		
Dimethoxybenzidine, 3,3'-	119-90-4	c		0.76	RSL		
Dimethyl Sulfide	75-18-3	n		0.62	RSL		
Dimethyl methylphosphonate	756-79-6	c		3200	RSL		
Dimethylamino azobenzene [p-]	60-11-7	c		1.2	RSL		
Dimethylaniline HCl, 2,4-	21436-96-4	c		9.4	RSL		
Dimethylaniline, 2,4-	95-68-1	c		27	RSL		
Dimethylaniline, N,N-	121-69-7	n		160	RSL		
Dimethylbenzidine, 3,3'-	119-93-7	c		0.11	RSL		
Dimethylformamide	68-12-2	n		2600	RSL		
Dimethylhydrazine, 1,1-	57-14-7	n		0.057	RSL		
Dimethylhydrazine, 1,2-	540-73-8	c		0.0088	RSL		
Dimethylphenol, 2,4-	105-67-9	n	TCL	1300	RSL		
Dimethylphenol, 2,6-	576-26-1	n		38	RSL		
Dimethylphenol, 3,4-	95-65-8	n		63	RSL		
Dimethylvinylchloride	513-37-1	c		11	RSL		
Dinitro-o-cresol, 4,6-	534-52-1	n	TCL	5.1	RSL		
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	n		130	RSL		
Dinitroaniline, 3,5-	618-87-1	n		25	RSL		
Dinitrobenzene, 1,2-	528-29-0	n		6.3	RSL		
Dinitrobenzene, 1,3-	99-65-0	n		6.3	RSL		
Dinitrobenzene, 1,4-	100-25-4	n		6.3	RSL		
Dinitrophenol, 2,4-	51-28-5	n	TCL	130	RSL		
Dinitrotoluene Mixture, 2,4/2,6-	E1615210	c		8	RSL		
Dinitrotoluene, 2,4-	121-14-2	c	TCL	17	RSL		
Dinitrotoluene, 2,6-	606-20-2	c	TCL	3.6	RSL		
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	n		7.7	RSL		
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	n		7.7	RSL		
Dinitrotoluene, Technical grade	25321-14-6	c		12	RSL		
Dinoseb	88-85-7	n		63	RSL	7	MCL
Dioxane, 1,4-	123-91-1	c		53	RSL		
Dioxins							
~Hexachlorodibenzo-p-dioxin, Mixture	34465-46-8	c		0.001	RSL		
~Tetrachlorodibenzo-p-dioxin, 2,3,7,8- (2,3,7,8-TCDD)	1746-01-6	c		0.000048	RSL	0.00003	MCL

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Diphenamid	957-51-7	n		1900	RSL		
Diphenyl Ether	101-84-8	n		34	RSL		
Diphenyl Sulfone	127-63-9	n		51	RSL		
Diphenylamine	122-39-4	n		6300	RSL		
Diphenylhydrazine, 1,2-	122-66-7	c		6.8	RSL		
Diquat	2764-72-9	n		140	RSL	20	MCL
Direct Black 38	1937-37-7	c		0.73	RSL		
Direct Blue 6	2602-46-2	c		0.73	RSL		
Direct Brown 95	16071-86-6	c		0.81	RSL		
Disulfoton	298-04-4	n		2.5	RSL		
Dithiane, 1,4-	505-29-3	n		780	RSL		
Diuron	330-54-1	n		130	RSL		
Dodine	2439-10-3	n		1300	RSL		
Endosulfan	115-29-7	n		470	RSL		
Endosulfan Sulfate	1031-07-8	n	TCL	380	RSL		
Endothall	145-73-3	n		1300	RSL	100	MCL
Endrin	72-20-8	n	TCL	19	RSL	2	MCL
Epichlorohydrin	106-89-8	n		19	RSL		
Epoxybutane, 1,2-	106-88-7	n		160	RSL		
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	n		2500	RSL		
Ethephon	16672-87-0	n		320	RSL		
Ethion	563-12-2	n		32	RSL		
Ethoxyethanol Acetate, 2-	111-15-9	n		2600	RSL		
Ethoxyethanol, 2-	110-80-5	n		2600	RSL		
Ethyl Acetate	141-78-6	n		620	RSL		
Ethyl Acrylate	140-88-5	n		47	RSL		
Ethyl Chloride	75-00-3	n	TCL	5400	RSL		
Ethyl Ether	60-29-7	n		16000	RSL		
Ethyl Methacrylate	97-63-2	n		1800	RSL		
Ethyl Tertiary Butyl Ether (ETBE)	637-92-3	c		1300	RSL		
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	n		3900	RSL		
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	n		0.63	RSL		
Ethylbenzene	100-41-4	c	TCL	58	RSL	700	MCL
Ethylene Cyanohydrin	109-78-4	n		4400	RSL		
Ethylene Diamine	107-15-3	n		7000	RSL		
Ethylene Glycol	107-21-1	n		51000	RSL		
Ethylene Glycol Monobutyl Ether	111-76-2	n		6300	RSL		
Ethylene Oxide	75-21-8	c		0.02	RSL		
Ethylene Thiourea	96-45-7	n		5.1	RSL		
Ethyleneimine	151-56-4	c		0.027	RSL		
Ethylphthalyl Ethyl Glycolate	84-72-0	n		100000	MAX		
Fenamiphos	22224-92-6	n		16	RSL		
Fenpropathrin	39515-41-8	n		1600	RSL		
Fenvalerate	51630-58-1	n		1600	RSL		
Fluometuron	2164-17-2	n		820	RSL		
Fluoride	16984-48-8	n		3100	RSL		
Fluorine (Soluble Fluoride)	7782-41-4	n		4700	RSL	2000	DE_MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Fluridone	59756-60-4	n		5100	RSL		
Flurprimidol	56425-91-3	n		2500	RSL		
Flusilazole	85509-19-9	n		130	RSL		
Flutolanil	66332-96-5	n		32000	RSL		
Fluvalinate	69409-94-5	n		630	RSL		
Folpet	133-07-3	n		5700	RSL		
Fomesafen	72178-02-0	n		630	RSL		
Fonofos	944-22-9	n		130	RSL		
Formaldehyde	50-00-0	c		43	RSL		
Formic Acid	64-18-6	n		29	RSL		
Fosetyl-AL	39148-24-8	n		100000	MAX		
Furans							
~Dibenzofuran	132-64-9	n	TCL	78	RSL		
~Furan	110-00-9	n		78	RSL		
-Tetrahydrofuran	109-99-9	n		18000	RSL		
Furazolidone	67-45-8	c		1.4	RSL		
Furfural	98-01-1	n		210	RSL		
Furium	531-82-8	c		3.6	RSL		
Furmecyclox	60568-05-0	c		180	RSL		
Glufosinate, Ammonium	77182-82-2	n		380	RSL		
Glutaraldehyde	111-30-8	n		6000	RSL		
Glycidaldehyde	765-34-4	n		23	RSL		
Glyphosate	1071-83-6	n		6300	RSL	700	MCL
Guanidine	113-00-8	n		780	RSL		
Guanidine Chloride	50-01-1	n		1300	RSL		
Guanidine Nitrate	506-93-4	n		1900	RSL		
Haloxyfop, Methyl	69806-40-2	n		3.2	RSL		
Heptachlor	76-44-8	c	TCL	1.3	RSL	0.4	MCL
Heptachlor Epoxide	1024-57-3	c	TCL	0.7	RSL	0.2	MCL
Heptanal, n-	111-71-7	n		24	RSL		
Heptane, N-	142-82-5	n		22	RSL		
Hexabromobenzene	87-82-1	n		160	RSL		
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	n		13	RSL		
Hexachlorobenzene	118-74-1	n	TCL	0.78	RSL	1	MCL
Hexachlorobutadiene	87-68-3	c	TCL	12	RSL		
Hexachlorocyclohexane, Alpha-	319-84-6	c	TCL	0.86	RSL		
Hexachlorocyclohexane, Beta-	319-85-7	c	TCL	3	RSL		
Hexachlorocyclohexane, Delta-	319-86-8	n		0.0038	RSL		
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Technical	608-73-1	c		3	RSL		
Hexachlorocyclopentadiene	77-47-4	n	TCL	1.8	RSL	50	MCL
Hexachloroethane	67-72-1	c	TCL	18	RSL		
Hexachlorophene	70-30-4	n		19	RSL		
Hexahydro-1,3,5-trinitro-l,3,5-triazine (RDX)	121-82-4	c		83	RSL		
Hexamethylene Diisocyanate, 1,6-	822-06-0	n		3.1	RSL		
Hexamethylene diisocyanate biuret	4035-89-6	n		100000	MAX		
Hexamethylene diisocyanate isocyanurate	3779-63-3	n		100000	MAX		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Hexamethylphosphoramide	680-31-9	n		25	RSL		
Hexane, Commercial	E5241997	c		120	RSL		
Hexane, n-	110-54-3	n		610	RSL		
Hexanedioic Acid	124-04-9	n		100000	MAX		
Hexanol, 1-,2-ethyl- (2-Ethyl-l-hexanol)	104-76-7	n		15	RSL		
Hexanone, 2-	591-78-6	n	TCL	200	RSL		
Hexazinone	51235-04-2	n		2100	RSL		
Hexythiazox	78587-05-0	n		1600	RSL		
Hydramethylnon	67485-29-4	n		1100	RSL		
Hydrazine	302-01-2	c		0.32	RSL		
Hydrazine Sulfate	10034-93-2	c		2.3	RSL		
Hydrogen Chloride	7647-01-0	n		100000	MAX		
Hydrogen Fluoride	7664-39-3	n		3100	RSL		
Hydrogen Sulfide	7783-06-4	n		100000	MAX		
Hydroquinone	123-31-9	c		90	RSL		
Imazalil	35554-44-O	c		89	RSL		
Imazaquin	81335-37-7	n		16000	RSL		
Imazethapyr	81335-77-5	n		100000	MAX		
Iodine	7553-56-2	n		780	RSL		
Iprodione	36734-19-7	n		2500	RSL		
Iron	7439-89-6	n	TAL	75000	BTV		
Isobutyl Alcohol	78-83-1	n		7800	RSL		
Isophorone	78-59-1	c	TCL	5700	RSL		
Isopropalin	33820-53-0	n		1200	RSL		
Isopropanol	67-63-0	n		5600	RSL		
Isopropyl Methyl Phosphonic Acid	1832-54-8	n		6300	RSL		
Isopropyltoluene, p-	99-87-6	n		170	RSL		
Isoxaben	82558-50-7	n		3200	RSL		
Lactofen	77501-63-4	n		510	RSL		
Lactonitrile	78-97-7	n		13	RSL		
Lanthanum	7439-91-0	n		3.9	RSL		
Lanthanum Acetate Hydrate	100587-90-4	n		1.3	RSL		
Lanthanum Chloride Heptahydrate	10025-84-0	n		1.5	RSL		
Lanthanum Chloride, Anhydrous	10099-58-8	n		2.2	RSL		
Lanthanum Nitrate Hexahydrate	10277-43-7	n		1.3	RSL		
Lead Compounds							
-Lead Phosphate	7446-27-7	c		820	RSL		
~Lead acetate	301-04-2	c		26	RSL		
-Lead and Compounds	7439-92-1		TAL	200	RSL	10	MCL
-Lead subacetate	1335-32-6	c		140	RSL		
-Tetraethyl Lead	78-00-2	n		0.0078	RSL		
Lewisite	541-25-3	n		0.39	RSL		
Linuron	330-55-2	n		490	RSL		
Lithium	7439-93-2	n		160	RSL		
Malathion	121-75-5	n		1300	RSL		
Maleic Anhydride	108-31-6	n		6300	RSL		
Maleic Hydrazide	123-33-1	n		32000	RSL		

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Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Malononitrile	109-77-3	n		6.3	RSL		
Mancozeb	8018-01-7	n		1900	RSL		
Maneb	12427-38-2	n		320	RSL		
Manganese	7439-96-5	n	TAL	2100	BTV		
Mephosfolan	950-10-7	n		5.7	RSL		
Mepiquat Chloride	24307-26-4	n		1900	RSL		
Mercaptobenzothiazole, 2-	149-30-4	n		250	RSL		
Mercury Compounds							
-Mercuric Chloride	7487-94-7	n		23	RSL	2	MCL
-Mercury (elemental)	7439-97-6	n	TAL	7.1	RSL	2	MCL
-Methyl Mercury	22967-92-6	n		7.8	RSL		
-Phenylmercuric Acetate	62-38-4	n		5.1	RSL		
Merphos	150-50-5	n		2.3	RSL		
Metalaxyl	57837-19-1	n		3800	RSL		
Methacrylonitrile	126-98-7	n		7.5	RSL		
Methamidophos	10265-92-6	n		3.2	RSL		
Methanol	67-56-1	n		100000	MAX		
Methidathion	950-37-8	n		95	RSL		
Methomyl	16752-77-5	n		1600	RSL		
Methoxy-5-nitroaniline, 2-	99-59-2	c		110	RSL		
Methoxychlor	72-43-5	n	TCL	320	RSL	40	MCL
Methoxyethanol Acetate, 2-	110-49-6	n		110	RSL		
Methoxyethanol, 2-	109-86-4	n		260	RSL		
Methyl Acetate	79-20-9	n	TCL	78000	RSL		
Methyl Acrylate	96-33-3	n		150	RSL		
Methyl Ethyl Ketone (2-Butanone)	78-93-3	n	TCL	27000	RSL		
Methyl Hydrazine	60-34-4	n		1	RSL		
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	n	TCL	33000	RSL		
Methyl Isocyanate	624-83-9	n		4.6	RSL		
Methyl Methacrylate	80-62-6	n		4400	RSL		
Methyl Parathion	298-00-0	n		16	RSL		
Methyl Phosphonic Acid	993-13-5	n		3800	RSL		
Methyl Styrene (Mixed Isomers)	25013-15-4	n		320	RSL		
Methyl methanesulfonate	66-27-3	c		55	RSL		
Methyl tert-Butyl Ether (MTBE)	1634-04-4	c	TCL	470	RSL	10	DE_MCL
Methyl-l,4-benzenediamine dihydrochloride, 2-	615-45-2	n		19	RSL		
Methyl-2-Pentanol, 4-	108-11-2	n		54000	RSL		
Methyl-5-Nitroaniline, 2-	99-55-8	c		600	RSL		
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	c		0.65	RSL		
Methylaniline Hydrochloride, 2-	636-21-5	c		42	RSL		
Methylarsonic acid	124-58-3	n		630	RSL		
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	n		13	RSL		
Methylbenzene-l,4-diamine sulfate, 2-	615-50-9	n		19	RSL		
Methylcholanthrene, 3-	56-49-5	c		0.055	RSL		
Methylcyclohexane	108-87-2	n		98	RSL		
Methylene Chloride	75-09-2	n	TCL	350	RSL	5	MCL
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	c		12	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	c		120	RSL		
Methylenebisbenzenamine, 4,4'-	101-77-9	c		3.4	RSL		
Methylenediphenyl Diisocyanate	101-68-8	n		100000	MAX		
Methylstyrene, Alpha-	98-83-9	n		5500	RSL		
Metolachlor	51218-45-2	n		9500	RSL		
Metribuzin	21087-64-9	n		1600	RSL		
Metsulfuron-methyl	74223-64-6	n		16000	RSL		
Mineral oils	8012-95-1	n		100000	MAX		
Mirex	2385-85-5	c		0.36	RSL		
Molinate	2212-67-1	n		130	RSL		
Molybdenum	7439-98-7	n		390	RSL		
Monochloramine	10599-90-3	n		7800	RSL		
Monomethylaniline	100-61-8	n		130	RSL		
Myclobutanil	88671-89-0	n		1600	RSL		
N,N'-Diphenyl-l,4-benzenediamine	74-31-7	n		19	RSL		
Naled	300-76-5	n		160	RSL		
Naphtha, High Flash Aromatic (HFAN)	64742-95-6	n		2300	RSL		
Napropamide	15299-99-7	n		7600	RSL		
Nickel Acetate	373-02-4	n		670	RSL		
Nickel Carbonate	3333-67-3	n		670	RSL		
Nickel Carbonyl	13463-39-3	n		820	RSL		
Nickel Hydroxide	12054-48-7	n		820	RSL		
Nickel Oxide	1313-99-1	n		840	RSL		
Nickel Refinery Dust	E715532	n		820	RSL		
Nickel Soluble Salts	7440-02-0	n	TAL	1400	RSL	100	DE_MCL
Nickel Subsulfide	12035-72-2	c		4.1	RSL		
Nickelocene	1271-28-9	c		6	RSL		
Nitrate (measured as nitrogen)	14797-55-8	n		100000	MAX	10000	MCL
Nitrate + Nitrite (measured as nitrogen)	E701177					10000	MCL
Nitrite (measured as nitrogen)	14797-65-0	n		7800	RSL	1000	MCL
Nitroaniline, 2-	88-74-4	n	TCL	630	RSL		
Nitroaniline, 4-	100-01-6	n	TCL	250	RSL		
Nitrobenzene	98-95-3	c	TCL	51	RSL		
Nitrocellulose	9004-70-0	n		100000	MAX		
Nitrofurantoin	67-20-9	n		4400	RSL		
Nitrofurazone	59-87-0	c		4.2	RSL		
Nitroglycerin	55-63-0	n		6.3	RSL		
Nitroguanidine	556-88-7	n		6300	RSL		
Nitromethane	75-52-5	c		54	RSL		
Nitropropane, 2-	79-46-9	c		0.64	RSL		
Nitroso-N-ethylurea, N-	759-73-9	c		0.045	RSL		
Nitroso-N-methylurea, N-	684-93-5	c		0.01	RSL		
Nitrosodibutylamine, N-	924-16-3	c		0.99	RSL		
Nitrosodiethanolamine, N-	1116-54-7	c		1.9	RSL		
Nitrosodiethylamine, N-	55-18-5	c		0.0081	RSL		
Nitrosodimethylamine, N-	62-75-9	c		0.02	RSL		
Nitrosodiphenylamine, N-	86-30-6	c	TCL	1100	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Nitrosodipropylamine, N-	621-64-7	c	TCL	0.78	RSL		
Nitrosomethylethylamine, N-	10595-95-6	c		0.2	RSL		
Nitrosomorpholine [N-]	59-89-2	c		0.81	RSL		
Nitrosopiperidine [N-]	100-75-4	c		0.58	RSL		
Nitrosopyrrolidine, N-	930-55-2	c		2.6	RSL		
Nitrotoluene, m-	99-08-1	n		6.3	RSL		
Nitrotoluene, o-	88-72-2	c		32	RSL		
Nitrotoluene, p-	99-99-0	n		250	RSL		
Nonane, n-	111-84-2	n		11	RSL		
Norflurazon	27314-13-2	n		95	RSL		
Octabromodiphenyl Ether	32536-52-0	n		190	RSL		
Octahydro-l,3,5,7-tetranitro-l,3,5,7-tetrazocine (HMX)	2691-41-0	n		3900	RSL		
Octamethylpyrophosphoramide	152-16-9	n		130	RSL		
Oryzalin	19044-88-3	c		700	RSL		
Oxadiazon	19666-30-9	n		320	RSL		
Oxamyl	23135-22-0	n		1600	RSL	200	MCL
Oxyfluorfen	42874-03-3	c		74	RSL		
Paclobutrazol	76738-62-0	n		820	RSL		
Paraquat Dichloride	1910-42-5	n		280	RSL		
Parathion	56-38-2	n		380	RSL		
Pebulate	1114-71-2	n		3900	RSL		
Pendimethalin	40487-42-1	n		19000	RSL		
Pentabromodiphenyl Ether	32534-81-9	n		160	RSL		
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	n		6.3	RSL		
Pentachlorobenzene	608-93-5	n		63	RSL		
Pentachloroethane	76-01-7	c		77	RSL		
Pentachloronitrobenzene	82-68-8	c		27	RSL		
Pentachlorophenol	87-86-5	c	TCL	10	RSL	1	MCL
Pentaerythritol tetranitrate (PETN)	78-11-5	n		570	RSL		
Pentamethylphosphoramide (PMPA)	10159-46-3	n		6.3	RSL		
Pentane, n-	109-66-0	n		810	RSL		
Per- and Polyfluoroalkyl Substances (PFAS Salts)							
-Ammonium perfluoro-2-methyl-3-oxahexanoate	62037-80-3	n		0.19	RSL		
-Ammonium perfluorobutanoate	10495-86-0	n		78	RSL		
-Ammonium perfluorodecanoate	3108-42-7	n		0.00013	RSL		
-Ammonium perfluorohexanoate	21615-47-4	n		32	RSL		
-Ammonium perfluorooctanoate	3825-26-1	c		0.00019	RSL		
-Lithium bis[(trifluoromethyl)sulfonyl]azanide	90076-65-6	n		23	RSL		
-Potassium perfluorobutanesulfonate	29420-49-3	n		19	RSL		
-Potassium perfluorobutanoate	2966-54-3	n		160	RSL		
-Potassium perfluorooctanesulfonate	2795-39-3	n		0.0063	RSL		
-Sodium perfluorobutanoate	2218-54-4	n		78	RSL		
-Sodium perfluorohexanoate	2923-26-4	n		32	RSL		
Per- and Polyfluoroalkyl Substances (PFAS)							
~Bis(trifluoromethylsulfonyl)amine (TFSI)	82113-65-3	n		23	RSL		
-Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	n		0.23	RSL	0.01	MCL
~Perfluoro(2-propoxypropanoate)	122499-17-6	n		0.23	RSL	0.01	MCL

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Perfluorobutanesulfonate	45187-15-3	n		19	RSL		
~Perfluorobutanesulfonic acid (PFBS)	375-73-5	n		19	RSL		
~Perfluorobutanoate	45048-62-2	n		78	RSL		
“Perfluorobutanoic acid (PFBA)	375-22-4	n		78	RSL		
~Perfluorodecanoate	73829-36-4	n		0.00013	RSL		
“Perfluorodecanoic acid (PFDA)	335-76-2	n		0.00013	RSL		
~Perfluorododecanoic acid (PFDoDA)	307-55-1	n		3.2	RSL		
~Perfluorohexanesulfonate	108427-53-8	n		1.3	RSL	0.01	MCL
“Perfluorohexanesulfonic acid (PFHxS)	355-46-4	n		1.3	RSL	0.01	MCL
“Perfluorohexanoate	92612-52-7	n		32	RSL		
“Perfluorohexanoic acid (PFHxA)	307-24-4	n		32	RSL		
“Perfluorononanoate	72007-68-2	n		0.19	RSL	0.01	MCL
“Perfluorononanoic acid (PFNA)	375-95-1	n		0.19	RSL	0.01	MCL
~Perfluorooctadecanoic acid (PFODA)	16517-11-6	n		2500	RSL		
“Perfluorooctanesulfonate	45298-90-6	n		0.0063	RSL	0.004	MCL
“Perfluorooctanesulfonic acid (PFOS)	1763-23-1	n		0.0063	RSL	0.004	MCL
“Perfluorooctanoate	45285-51-6	c		0.00019	RSL	0.004	MCL
“Perfluorooctanoic acid (PFOA)	335-67-1	c		0.00019	RSL	0.004	MCL
“Perfluoropropanoic acid (PFPrA)	422-64-0	n		39	RSL		
~Perfluorotetradecanoic acid (PFTetDA)	376-06-7	n		63	RSL		
“Perfluoroundecanoic acid (PFUDA)	2058-94-8	n		19	RSL		
“Potassium perfluorodecanoate	51604-85-4	n		0.00014	RSL		
“Sodium perfluorodecanoate	3830-45-3	n		0.00013	RSL		
Perchlorates							
“Ammonium Perchlorate	7790-98-9	n		55	RSL		
“Lithium Perchlorate	7791-03-9	n		55	RSL		
“Perchlorate and Perchlorate Salts	14797-73-0	n		55	RSL	15	MCL
“Potassium Perchlorate	7778-74-7	n		55	RSL		
“Sodium Perchlorate	7601-89-0	n		55	RSL		
Permethrin	52645-53-1	n		3200	RSL		
Phenacetin	62-44-2	c		2500	RSL		
Phenmedipham	13684-63-4	n		15000	RSL		
Phenol	108-95-2	n	TCL	19000	RSL		
Phenol, 2-(l-methylethoxy)-, methylcarbamate	114-26-1	n		250	RSL		
Phenothiazine	92-84-2	n		32	RSL		
Phenyl Isothiocyanate	103-72-0	n		16	RSL		
Phenylenediamine, m-	108-45-2	n		380	RSL		
Phenylenediamine, o-	95-54-5	c		10	RSL		
Phenylenediamine, p-	106-50-3	n		63	RSL		
Phenylphenol, 2-	90-43-7	c		2800	RSL		
Phorate	298-02-2	n		13	RSL		
Phosgene	75-44-5	n		0.31	RSL		
Phosmet	732-11-6	n		1300	RSL		
Phosphates, Inorganic							
-Aluminum metaphosphate	13776-88-0	n		100000	MAX		
“Aluminum salts of inorganic phosphates	E524680405	n		23000	RSL		
~Dipotassium phosphate	7758-11-4	n		78000	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Disodium phosphate	7558-79-4	n		78000	RSL		
~Monoaluminum phosphate	13530-50-2	n		100000	MAX		
-Monopotassium phosphate	7778-77-0	n		78000	RSL		
-Monosodium phosphate	7558-80-7	n		78000	RSL		
-Phosphoric Acid	7664-38-2	n		78000	RSL		
-Phosphoric acid, aluminum salt (1:1) [aluminum phosphate]	7784-30-7	n		86000	RSL		
-Phosphoric acid, aluminum sodium salt (1:X:X) [sodium aluminum	7785-88-8	n		100000	MAX		
-Polyphosphoric acid	8017-16-1	n		78000	RSL		
-Potassium salts of inorganic phosphates	E524680403	n		78000	RSL		
-Potassium tripolyphosphate	13845-36-8	n		78000	RSL		
-Sodium aluminum phosphate (anhydrous)	10279-59-1	n		100000	MAX		
-Sodium aluminum phosphate (tetrahydrate)	10305-76-7	n		100000	MAX		
-Sodium hexametaphosphate	10124-56-8	n		78000	RSL		
-Sodium polyphosphate	68915-31-1	n		78000	RSL		
-Sodium pyrophosphate	7758-16-9	n		78000	RSL		
-Sodium salts of inorganic phosphates	E524680404	n		78000	RSL		
-Sodium trimetaphosphate	7785-84-4	n		78000	RSL		
-Sodium tripolyphosphate	7758-29-4	n		78000	RSL		
-Tetrapotassium phosphate	7320-34-5	n		78000	RSL		
-Tetrasodium pyrophosphate	7722-88-5	n		78000	RSL		
-Trialuminum sodium tetra decahydrogenoctaorthophosphate	15136-87-5	n		100000	MAX		
-Triphosphoric acid, aluminum salt (1:1) [aluminum triphosphate]	13939-25-8	n		100000	MAX		
-Tripotassium phosphate	7778-53-2	n		78000	RSL		
-Trisodium phosphate	7601-54-9	n		78000	RSL		
Phosphine	7803-51-2	n		23	RSL		
Phosphorus	7723-14-0	n		1.6	RSL		
Phthalates							
~Bis(2-ethylhexyl)phthalate	117-81-7	c	TCL	390	RSL	6	MCL
-Butyl Benzyl Phthalate	85-68-7	c	TCL	2900	RSL		
-Butylphthalyl Butylglycolate	85-70-1	n		63000	RSL		
-Dibutyl Phthalate	84-74-2	n	TCL	6300	RSL		
-Diethyl Phthalate	84-66-2	n	TCL	51000	RSL		
-Dimethylterephthalate	120-61-6	n		7800	RSL		
-Octyl Phthalate, di-N-	117-84-0	n	TCL	630	RSL		
-Phthalic Acid, p-	100-21-0	n		32000	RSL		
-Phthalic Anhydride	85-44-9	n		100000	MAX		
Picloram	1918-02-1	n		4400	RSL	500	MCL
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	n		6.3	RSL		
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	n		130	RSL		
Pirimiphos, Methyl	29232-93-7	n		46	RSL		
Polybrominated Biphenyls	36355-01-8	c		0.18	RSL		
Polychlorinated Biphenyls (PCBs)							
-Aroclor 1016	12674-11-2	n	TCL	4.1	RSL		
-Aroclor 1221	11104-28-2	c	TCL	2	RSL		
-Aroclor 1232	11141-16-5	c	TCL	1.7	RSL		
-Aroclor 1242	53469-21-9	c	TCL	2.3	RSL		
-Aroclor 1248	12672-29-6	c	TCL	2.3	RSL		

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Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
~Aroclor 1254	11097-69-1	n	TCL	1.2	RSL		
~Aroclor 1260	11096-82-5	c	TCL	2.4	RSL		
-Aroclor 5460	11126-42-4	n		35	RSL		
-Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	c		1.3	RSL		
-Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	c		1.2	RSL		
-Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	38380-08-4	c		1.2	RSL		
-Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	c		0.0012	RSL		
-Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	c		1.2	RSL		
-Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	c		1.2	RSL		
-Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	c		0.00036	RSL		
-Polychlorinated Biphenyls (Total PCBs)	1336-36-3	c		2.3	RSL	0.5	MCL
-Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	c		0.38	RSL		
-Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	c		0.12	RSL		
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	n		100000	MAX		
Polynuclear Aromatic Hydrocarbons (PAHs)							
-Acenaphthene	83-32-9	n	TCL	3600	RSL		
-Anthracene	120-12-7	n	TCL	18000	RSL		
~Benz[a]anthracene	56-55-3	c	TCL	11	RSL		
~Benzo[a]pyrene	50-32-8	c	TCL	1.1	RSL	0.2	MCL
~Benzo[b]fluoranthene	205-99-2	c	TCL	11	RSL		
~Benzo[e]pyrene	192-97-2	n		5.7	RSL		
~Benzo[j]fluoranthene	205-82-3	c		4.2	RSL		
~Benzo[k]fluoranthene	207-08-9	c	TCL	110	RSL		
-Benzofluorene, 2,3-	243-17-4	n		320	RSL		
-Chloronaphthalene, Beta-	91-58-7	n	TCL	4800	RSL		
-Chrysene	218-01-9	c	TCL	1100	RSL		
~Dibenz[a,h]anthracene	53-70-3	c	TCL	1.1	RSL		
~Dibenzo[a,e]pyrene	192-65-4	c		0.42	RSL		
~Dimethylbenz[a]anthracene, 7,12-	57-97-6	c		0.0046	RSL		
-Fluoranthene	206-44-0	n	TCL	2400	RSL		
-Fluorene	86-73-7	n	TCL	2400	RSL		
~Indeno[l,2,3-cd]pyrene	193-39-5	c	TCL	11	RSL		
-Methylnaphthalene, 1-	90-12-0	n		0.18	RSL		
-Methylnaphthalene, 2-	91-57-6	n	TCL	240	RSL		
-Naphthalene	91-20-3	c	TCL	20	RSL		
-Naphthylamine, 2-	91-59-8	c		3	RSL		
-Nitropyrene, 4-	57835-92-4	c		4.2	RSL		
-Perylene	198-55-0	n		5.4	RSL		
-Phenanthrene	85-01-8	n	TCL	1800	PYR		
-Pyrene	129-00-0	n	TCL	1800	RSL		
Prochloraz	67747-09-5	c		36	RSL		
Profluralin	26399-36-0	n		470	RSL		
Prometon	1610-18-0	n		950	RSL		
Prometryn	7287-19-6	n		2500	RSL		

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Pronamide	23950-58-5	n		4700	RSL		
Propachlor	1918-16-7	n		820	RSL		
Propanil	709-98-8	n		320	RSL		
Propargite	2312-35-8	c		28	RSL		
Propargyl Alcohol	107-19-7	n		160	RSL		
Propazine	139-40-2	n		1300	RSL		
Propham	122-42-9	n		1300	RSL		
Propiconazole	60207-90-1	n		6300	RSL		
Propionaldehyde	123-38-6	n		75	RSL		
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	n		63	RSL		
Propyl benzene	103-65-1	n		3800	RSL		
Propylene	115-07-1	n		2200	RSL		
Propylene Glycol	57-55-6	n		100000	MAX		
Propylene Glycol Dinitrate	6423-43-4	n		100000	MAX		
Propylene Glycol Monomethyl Ether	107-98-2	n		41000	RSL		
Propylene Oxide	75-56-9	c		21	RSL		
Pyridine	110-86-1	n		78	RSL		
Quinalphos	13593-03-8	n		32	RSL		
Quinoline	91-22-5	c		1.8	RSL		
Quizalofop-ethyl	76578-14-8	n		570	RSL		
Resmethrin	10453-86-8	n		1900	RSL		
Ronnel	299-84-3	n		3900	RSL		
Rotenone	83-79-4	n		250	RSL		
Safrole	94-59-7	c		5.5	RSL		
Selenious Acid	7783-00-8	n		390	RSL		
Selenium	7782-49-2	n	TAL	390	RSL	50	MCL
Selenium Sulfide	7446-34-6	n		390	RSL		
Sethoxydim	74051-80-2	n		8800	RSL		
Silica (crystalline, respirable)	7631-86-9	n		5000	NIOSH		
Silver	7440-22-4	n	TAL	390	RSL		
Simazine	122-34-9	c		45	RSL	4	MCL
Sodium Acifluorfen	62476-59-9	n		820	RSL		
Sodium Azide	26628-22-8	n		310	RSL		
Sodium Diethyldithiocarbamate	148-18-5	c		20	RSL		
Sodium Fluoride	7681-49-4	n		3900	RSL		
Sodium Fluoroacetate	62-74-8	n		1.3	RSL		
Sodium Metavanadate	13718-26-8	n		78	RSL		
Sodium Tungstate	13472-45-2	n		63	RSL		
Sodium Tungstate Dihydrate	10213-10-2	n		63	RSL		
Stirofos (Tetrachlorovinphos)	961-11-5	c		230	RSL		
Strontium, Stable	7440-24-6	n		47000	RSL		
Strychnine	57-24-9	n		19	RSL		
Styrene	100-42-5	n	TCL	6000	RSL	100	MCL
Styrene-Acrylonitrile (SAN) Trimer (THNA isomer)	57964-39-3	n		190	RSL		
Styrene-Acrylonitrile (SAN) Trimer (THNP isomer)	57964-40-6	n		190	RSL		
Sulfolane	126-33-0	n		63	RSL		
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	n		51	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TAL or TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Sulfur Trioxide	7446-11-9	n		100000	MAX		
Sulfuric Acid	7664-93-9	n		100000	MAX		
Sulfurous acid, 2-chloroethyl 2-[4-(l,l-dimethylethyl)phenoxy]-l-	140-57-8	c		220	RSL		
Tebuthiuron	34014-18-1	n		4400	RSL		
Temephos	3383-96-8	n		1300	RSL		
Terbacil	5902-51-2	n		820	RSL		
Terbufos	13071-79-9	n		2	RSL		
Terbutryn	886-50-0	n		63	RSL		
Tert-Butyl Acetate	540-88-5	c		81	RSL		
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	n		6.3	RSL		
Tetrachlorobenzene, 1,2,4,5-	95-94-3	n	TCL	2.3	RSL		
Tetrachloroethane, 1,1,1,2-	630-20-6	c		20	RSL		
Tetrachloroethane, 1,1,2,2-	79-34-5	c	TCL	6	RSL		
Tetrachloroethylene	127-18-4	n	TCL	81	RSL	1	DE_MCL
Tetrachlorophenol, 2,3,4,6-	58-90-2	n	TCL	1900	RSL		
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	c		0.43	RSL		
Tetraethyl Dithiopyrophosphate	3689-24-5	n		32	RSL		
Tetrafluoroethane, 1,1,1,2-	811-97-2	n		100000	MAX		
Tetramethylphosphoramide, -N,N,N',N'' (TMPA)	16853-36-4	n		6.3	RSL		
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	n		160	RSL		
Thallic Oxide	1314-32-5	n		1.6	RSL		
Thallium (1) Nitrate	10102-45-1	n		0.78	RSL		
Thallium (Soluble Salts)	7440-28-0	n	TAL	0.78	RSL	2	MCL
Thallium Acetate	563-68-8	n		0.78	RSL		
Thallium Carbonate	6533-73-9	n		1.3	RSL		
Thallium Chloride	7791-12-0	n		0.78	RSL		
Thallium Selenite	12039-52-0	n		0.78	RSL		
Thallium Sulfate	7446-18-6	n		1.6	RSL		
Thifensulfuron-methyl	79277-27-3	n		2700	RSL		
Thiobencarb	28249-77-6	n		630	RSL		
Thiocyanates	E1790665	n		16	RSL		
Thiocyanic Acid	463-56-9	n		16	RSL		
Thiocyanic acid, (2-benzothiazolylthio)methyl ester (TCMTB)	21564-17-0	n		1900	RSL		
Thiodiglycol	111-48-8	n		5400	RSL		
Thiofanox	39196-18-4	n		19	RSL		
Thiophanate, Methyl	23564-05-8	c		470	RSL		
Thiram	137-26-8	n		950	RSL		
Thitrol (MCPB)	94-81-5	n		2800	RSL		
Tin	7440-31-5	n		47000	RSL		
Titanium Tetrachloride	7550-45-0	n		50000	NIOSH		
Toluene	108-88-3	n	TCL	4900	RSL	1000	MCL
Toluene-2,4-diisocyanate	584-84-9	n		6.4	RSL		
Toluene-2,6-diisocyanate	91-08-7	n		5.3	RSL		
Toluenediamine, 2,3-	2687-25-4	n		6.3	RSL		
Toluenediamine, 2,5-	95-70-5	n		13	RSL		
Toluenediamine, 3,4-	496-72-0	n		6.3	RSL		
Toluic Acid, p-	99-94-5	n		320	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Toluidine, o- (Methylaniline, 2-)	95-53-4	c		340	RSL		
Toluidine, p-	106-49-0	c		180	RSL		
Total Petroleum Hydrocarbons (TPH)							
-Diesel Range Organics (DRO)	TPH.DRO			1000	DRO		
-Gasoline Range Organics (GRO)	TPH.GRO			100	GRO		
-Total Petroleum Hydrocarbons (Aliphatic High)	E1790670	n		100000	MAX		
-Total Petroleum Hydrocarbons (Aliphatic Low)	E1790666	n		250	RSL		
-Total Petroleum Hydrocarbons (Aliphatic Medium)	E1790668	n		96	RSL		
-Total Petroleum Hydrocarbons (Aromatic High)	E1790676	n		18	RSL		
-Total Petroleum Hydrocarbons (Aromatic Medium)	E1790674	n		300	RSL		
Toxaphene	8001-35-2	c	TCL	4.9	RSL	3	MCL
Toxaphene, Weathered	E1841606	n		1.9	RSL		
Tralomethrin	66841-25-6	n		470	RSL		
Tri-n-butyltin	688-73-3	n		23	RSL		
Triacetin	102-76-1	n		100000	MAX		
Triadimefon	43121-43-3	n		2100	RSL		
Triallate	2303-17-5	c		97	RSL		
Triasulfuron	82097-50-5	n		630	RSL		
Tribenuron-methyl	101200-48-0	n		510	RSL		
Tribromobenzene, 1,2,4-	615-54-3	n		390	RSL		
Tribromophenol, 2,4,6-	118-79-6	n		570	RSL		
Tribufos	78-48-8	n		13	RSL		
Tributyl Phosphate	126-73-8	c		600	RSL		
Tributyltin Compounds	E1790679	n		19	RSL		
Tributyltin Oxide	56-35-9	n		19	RSL		
Trichloro-l,2,2-trifluoroethane, 1,1,2-	76-13-1	n	TCL	6700	RSL		
Trichloroacetic Acid	76-03-9	c		78	RSL	60	MCL
Trichloroaniline HCl, 2,4,6-	33663-50-2	c		190	RSL		
Trichloroaniline, 2,4,6-	634-93-5	n		1.9	RSL		
Trichlorobenzene, 1,2,3-	87-61-6	n	TCL	63	RSL		
Trichlorobenzene, 1,2,4-	120-82-1	n	TCL	58	RSL	70	MCL
Trichloroethane, 1,1,1-	71-55-6	n	TCL	8100	RSL	200	MCL
Trichloroethane, 1,1,2-	79-00-5	n	TCL	1.5	RSL	5	MCL
Trichloroethylene	79-01-6	n	TCL	4.1	RSL	1	DE_MCL
Trichlorofluoromethane	75-69-4	n	TCL	23000	RSL		
Trichlorophenol, 2,4,5-	95-95-4	n	TCL	6300	RSL		
Trichlorophenol, 2,4,6-	88-06-2	n	TCL	63	RSL		
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	n		630	RSL		
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	n		510	RSL	50	MCL
Trichloropropane, 1,1,2-	598-77-6	n		390	RSL		
Trichloropropane, 1,2,3-	96-18-4	c		0.051	RSL		
Trichloropropene, 1,2,3-	96-19-5	n		0.73	RSL		
Tricresyl Phosphate (TCP)	1330-78-5	n		1300	RSL		
Tridiphane	58138-08-2	n		190	RSL		
Triethylamine	121-44-8	n		120	RSL		
Triethylene Glycol	112-27-6	n		100000	MAX		
Trifluoroethane, 1,1,1-	420-46-2	n		15000	RSL		

HSCA Human Health Reporting Level Table - December 2025

Analyte	CAS No.	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Trifluralin	1582-09-8	n		590	RSL		
Trimethyl Phosphate	512-56-1	c		270	RSL		
Trimethylbenzene, 1,2,3-	526-73-8	n		340	RSL		
Trimethylbenzene, 1,2,4-	95-63-6	n		300	RSL		
Trimethylbenzene, 1,3,5-	108-67-8	n		270	RSL		
Trimethylpentene, 2,4,4-	25167-70-8	n		780	RSL		
Trinitrobenzene, 1,3,5-	99-35-4	n		2200	RSL		
Trinitrotoluene, 2,4,6-	118-96-7	n		36	RSL		
Triphenylphosphine Oxide	791-28-6	n		1300	RSL		
Tris(l,3-Dichloro-2-propyl) Phosphate	13674-87-8	n		1300	RSL		
Tris(l-chloro-2-propyl)phosphate	13674-84-5	n		630	RSL		
Tris(2,3-dibromopropyl)phosphate	126-72-7	c		2.8	RSL		
Tris(2-chloroethyl)phosphate	115-96-8	c		270	RSL		
Tris(2-ethylhexyl)phosphate	78-42-2	c		1700	RSL		
Tungsten	7440-33-7	n		63	RSL		
Uranium (Soluble Salts)	7440-61-1	n		16	RSL	30	MCL
Urethane	51-79-6	c		1.2	RSL		
Vanadium Pentoxide	1314-62-1	n		660	RSL		
Vanadium and Compounds	7440-62-2	n	TAL	390	RSL		
Vernolate	1929-77-7	n		78	RSL		
Vinclozolin	50471-44-8	n		76	RSL		
Vinyl Acetate	108-05-4	n		910	RSL		
Vinyl Bromide	593-60-2	c		2.6	RSL		
Vinyl Chloride	75-01-4	c	TCL	0.59	RSL	1	DE_MCL
Warfarin	81-81-2	n		19	RSL		
Xylene, m-	108-38-3	n		550	RSL		
Xylene, o-	95-47-6	n	TCL	640	RSL		
Xylene, p-	106-42-3	n		560	RSL		
Xylenes	1330-20-7	n		580	RSL	10000	MCL
Zinc Phosphide	1314-84-7	n		23	RSL		
Zinc and Compounds	7440-66-6	n	TAL	23000	RSL		
Zineb	12122-67-7	n		3200	RSL		
Zirconium	7440-67-7	n		6.3	RSL		

HSCA Human Health Reporting Level Table

Comparison - December 2025 vs October 2024

Row Color	Description
yellow	New row December 2025
blue	Old row October 2024
gray	Change effect from old to new

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Acetic acid, 2-(4-Chloro-2-methylphenoxy) (MCPA)	94-74-6	December 2025	n		32	RSL	-	
Ammonium perfluorodecanoate	3108-42-7	December 2025	n		0.00013	RSL	-	
Benzofluorene, 2,3-	243-17-4	December 2025	n		320	RSL	-	
Butanol, N-	71-36-3	October 2024	n		7800	RSL	-	
Butanol, n-	71-36-3	December 2025	n		7800	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	October 2024	c		0.1	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	126-99-8	December 2025	c		0.036	RSL	-	
Chloro-l,3-butadiene, 2- (Chloroprene)	.....	Change Effect	.	...	-0.064	.....	-	—
Chromium(lll) (Soluble Compounds)	16065-83-1	October 2024	n		85000	RSL	-	
Chromium(lll), (Insoluble Salts)	16065-83-1	December 2025	n		50000	NIOSH	-	
Chromium(lll), (Soluble Compounds)	16065-83-1	December 2025	n		85000	RSL	-	
Chromium(lll), Insoluble Salts	16065-83-1	October 2024	n		50000	NIOSH	-	
Chromium(VI)	18540-29-9	October 2024	c		3	RSL	-	
Chromium(VI)	18540-29-9	December 2025	c		9.5	RSL	-	
Chromium(VI)	.....	Change Effect	.	...	6.5	.....	-	—
Chromium, Total	7440-47-3	October 2024		TAL	214	BTV	100	MCL
Chromium, Total	7440-47-3	December 2025		TAL	210	BTV	100	MCL
Chromium, Total	▮–.....	Change Effect	.	...	-4	.....	-	—
Cyanide (CN-)	57-12-5	October 2024	n	TAL	23	RSL	200	MCL
Cyanide (CN-)	57-12-5	December 2025	n	TAL	24	RSL	200	MCL
Cyanide (CN-)	—	Change Effect	.	...	1	.....	-	—
Dichloroethylene, 1,1-	75-35-4	October 2024	n	TCL	230	RSL	7	MCL
Dichloroethylene, 1,1-	75-35-4	December 2025	n	TCL	4.8	RSL	7	MCL
Dichloroethylene, 1,1-	.....	Change Effect	.	...	-225.2	.....	-	—
Dimethoxybenzidine, 3,3'-	119-90-4	October 2024	c		3.4	RSL	-	
Dimethoxybenzidine, 3,3'-	119-90-4	December 2025	c		0.76	RSL	-	
Dimethoxybenzidine, 3,3'-	–.....	Change Effect	.	...	-2.64	.....	-	.....
Dimethyl Sulfide	75-18-3	December 2025	n		0.62	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	October 2024	c		0.49	RSL	-	
Dimethylbenzidine, 3,3'-	119-93-7	December 2025	c		0.11	RSL	-	
Dimethylbenzidine, 3,3'-	.....	Change Effect	.	...	-0.38	....	-	.....
EPTC	759-94-4	October 2024	n		3900	RSL	-	
Ethyl dipropylthiocarbamate, S- (EPTC)	759-94-4	December 2025	n		3900	RSL	-	
Formaldehyde	50-00-0	October 2024	c		110	RSL	-	
Formaldehyde	50-00-0	December 2025	c		43	RSL	-	
Formaldehyde	.....	Change Effect	.	...	-67	.....	-	[redacted]
Hexachlorocyclohexane, Delta-	319-86-8	December 2025	n		0.0038	RSL	-	
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	October 2024	c	TCL	5.7	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	December 2025	n	TCL	0.057	RSL	0.2	MCL
Hexachlorocyclohexane, Gamma- (Lindane)	.....	Change Effect	X	...	-5.643	.....	-	.....
Hexane, N-	110-54-3	October 2024	n		610	RSL	-	
Hexane, n-	110-54-3	December 2025	n		610	RSL	-	
Iron	7439-89-6	October 2024	n	TAL	74767	BTV	-	
Iron	7439-89-6	December 2025	n	TAL	75000	BTV	-	
Iron	. .....	Change Effect	.	...	233	.....	-	[redacted]
Isopropyltoluene, p-	99-87-6	December 2025	n		170	RSL	-	
Lead and Compounds	7439-92-1	October 2024		TAL	200	RSL	15	MCL
Lead and Compounds	7439-92-1	December 2025		TAL	200	RSL	10	MCL
Lead and Compounds	.....	Change Effect	.	...	-	.....	-5	.....

HSCA Human Health Reporting Level Table Comparison - December 2025 vs October 2024

Analyte	CAS No.	Type of Observation	Status	TALor TCL	Soil (Direct Contact) (mg/kg)	Key	Groundwater (ug/L)	Key
Lead and Compounds (with other sources of lead present, see Guidance)	7439-92-1	October 2024		TAL	100	RSL	-	
MCPA	94-74-6	October 2024	n		32	RSL	-	
MCPB	94-81-5	October 2024	n		2800	RSL	-	
MCPP	93-65-2	October 2024	n		63	RSL	-	
Mercury (elemental)	7439-97-6	October 2024	n	TAL	11	RSL	2	MCL
Mercury (elemental)	7439-97-6	December 2025	n	TAL	7.1	RSL	2	MCL
Mercury (elemental)	.....	Change Effect	.	...	-3.9	.....	-	—
Perfluoro(2-propoxypropanoate)	122499-17-6	December 2025	n		0.23	RSL	0.01	MCL
Perfluorodecanoate	73829-36-4	December 2025	n		0.00013	RSL	-	
Perfluorodecanoic acid (PFDA)	335-76-2	December 2025	n		0.00013	RSL	-	
Phenylenediamine, o-	95-54-5	October 2024	c		45	RSL	-	
Phenylenediamine, o-	95-54-5	December 2025	c		10	RSL	-	
Phenylenediamine, o-	—	Change Effect	.	...	-35	.....	-	—
Potassium perfluorodecanoate	51604-85-4	December 2025	n		0.00014	RSL	-	
Propionic acid, 2-(2-methyl-4-chlorophenoxy) (MCPP)	93-65-2	December 2025	n		63	RSL	-	
Sodium perfluorodecanoate	3830-45-3	December 2025	n		0.00013	RSL	-	
TCDD, 2,3,7,8-	1746-01-6	October 2024	c		0.000048	RSL	0.00003	MCL
Tetrachlorodibenzo-p-dioxin, 2,3.7,8- (2,3,7,8-TCDD)	1746-01-6	December 2025	c		0.000048	RSL	0.00003	MCL
Thitrol (MCPB)	94-81-5	December 2025	n		2800	RSL	-	

Attachment 5
Soil and Waste Tracking Log

Soil and Waste Tracking Log

Project Name: ______________________

Project Address: ______________________

Contractor: ______________________

Excavation Data								Initial Observation			Testing Data							
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Visual/PID Designation	On-Site Reuse Location	Date Placed in SWMU	Sampled Y/N	Sample Type	VOC Reading	Sample Date	Sample ID	Analytical Suite	Date Samples Arrived at Lab	Laboratory Name
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	No visual contam observed, PID=0.0	SWMU-02	1/30/2026	N	-	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Visual discoloration (white), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	Visual discoloration (white, blue), PID=1.5	-	-	Y	G/C	2.5	1/30/2026	WC_S02_01302026	TCL VOCs, DRO, GRO, TAL Metals, PCBs, RICs, O&G, TOC, COD, Am-Nit, TS, TVS, Full RCRA TCLP, T-Cn	2/1/2026	Eurofins Lancaster

Soil and Waste Tracking Log

Project Name: _____

Project Address: _____

Contractor: _____

Excavation Data								Results/Disposal						
Excavation Date	Contractor	Soil Origin	Storage Location	Stockpile/ Container ID	Container Type	Volume (CY)	90-DAY Ship-by Date	Waste Designation	Waste Profile ID	Date Transported Offsite	Manifest Number	Transporter	Disposal Facility	Disposal Facility Date
1/1/2026	Walsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-001	Stockpile	500	4/1/2026	On-site reuse	-	-	-	-	-	-
1/10/2026	WaLsh/SBI	SWMU-02	Stockpile within SWMU02 Area	SP-002	Stockpile	500	4/10/2026	Non-haz	XYZ001	2/20/2026	001002036JJK	ABC Trans	ABC Landfill	2/20/2026
2/1/2026	Walsh/SBI	SWMU-04	Stockpile within SWMU04Area	SP-003	Stockpile	500	5/2/2026	RCRA-Hazardous	JKO1234	4/1/2026	001002037JJK	XYZ Trans	Haz123TSDF	4/1/2026