DuPont Corporate Remediation Group
Chestnut Run Plaza, Building 715
4417 Lancaster Pike
Wilmington, DE 19805

March 18, 2010

Mr. Douglas Zeiters
Delaware Department of Natural Resources and Environmental Control
Division of Air and Waste Management
Solid and Hazardous Waste Management Branch
89 Kings Highway
Dover, Delaware 19901

Post Closure Care Plan – Addendum 1
Revised Monitoring and Maintenance Plan
Closed Surface Impoundments
DuPont Edge Moor Plant
104 Hay Road, Edgemoor, Delaware
State Permit #: HW-03A16
US EPA Identification #: DED00800284

Dear Mr. Zeiters:

DuPont has prepared this Post Closure Care Plan – Addendum 1, Revised Monitoring and Maintenance Plan for the Closed Surface Impoundments at the DuPont Edge Moor Plant.

DuPont had originally submitted this document in September 2009, but based on comments and conversations with Delaware Department of Natural Resources and Environmental Control, the September 2009 Closure Care Plan – Addendum 1, Revised Monitoring and Maintenance Plan was revised. Enclosed are two hard copies and a CD containing an electronic version of the Closure Care Plan – Addendum 1, Revised Monitoring and Maintenance Plan.

Please contact me at 302-999-6195 or at michelle.m.thomson@usa.dupont.com if you have any questions.

Sincerely,

Michelle M. Thomson Ph.D.
Project Director

cc: CRG Central Files (7720)
Tushar S. Durve (DuPont Edge Moor Plant)
Douglas Groux (Parsons)

PARSONS

POST-CLOSURE CARE PLAN – ADDENDUM 1, REVISED MONITORING AND MAINTENANCE PLAN, CLOSED SURFACE IMPOUNDMENTS

DUPONT EDGE MOOR PLANT
EDGEMOOR, DELAWARE

Prepared for:

E. I. du Pont de Nemours and Company
Corporate Remediation Group
4417 Lancaster Pike
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Prepared by:

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March 2010

DuPont PN 507887
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PROFESSIONAL SIGNATURES AND SEALS

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DOCUMENT: Post-Closure Care Plan – Addendum 1, Revised Monitoring and Maintenance Plan, Closure Surface Impoundments, DuPont Edge Moor Plan, Edgemoor, Delaware

Seals, as applicable: DAPE Temporary Permit No. TP-358
Exp. 12-09-2010

Satya narayan Varadhi
expires 11-30-2011

The *Post-Closure Care Plan-Addendum 1, Revised Monitoring and Maintenance Plan* was initially prepared by URS Corporation in September 2009. At the request of DuPont, Parsons has revised the text as applicable, especially Sections 3 and 4, and finalized this report.

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APPENDICES

Acronyms

Acronym	Definition / 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
DuPont	E. I. du Pont de Nemours and Company
ft/d	Foot per day
L/min	Liter per minute
µg/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
QA/QC	Quality assurance/quality control
R.M.	River mile
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
SHWMB	Solid and Hazardous Waste Management Branch
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

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1.0 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). 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 all groundwater sampling events are presented in Appendices A and B.

DuPont has prepared this 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.

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2.0 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. 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 RFI*[1] *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.

[1] RFI – Resource Conservation and Recovery Act (RCRA) Facility Investigation

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3.0 POST-CLOSURE 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, B and C. The program described in the following sections will be used to formalize the Phase II long-term monitoring program.

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 1.

3.3 Monitoring Parameters

Groundwater samples will be collected on a semiannual basis and submitted for the following analyses:

Constituent	Analytical Method
Total and dissolved* antimony Total and dissolved* arsenic Total and dissolved* manganese Total and dissolved* thallium	SW-846 Method 6020
Hexachlorobenzene Hexachlorobutadiene Octochlorostyrene Pentachlorobenzene	SW-846 Method 8270C

* 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 following 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 2 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.*

3.4 Groundwater Sampling Methods

Groundwater samples will be collected from the monitoring wells shown in Figure 2. 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.

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).

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.

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).

Flow Measurement

A container of known volume and a stopwatch will be used to measure the pumping rate.

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.

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.

Documentation

Field books will be used to record site activities. Appropriate field data will be recorded in a separate field log.

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 1.

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.
2. Measure the water level before and during pumping, and record in field notes.
3. 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.
4. 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]).

5. 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.
6. 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 below:

Parameter	Stability Criteria - Micropurge
Turbidity	+/-10% (10 < Turbidity ≤ 50 NTUs)
pH	+/-0.1
Temperature	+/-1 º C
Specific Conductance	+/-3%
ORP	+/-10 millivolts
DO	+/-10% or +/-0.2 milligrams per liter (mg/L) when below 1 mg/L

7. Collect water samples by disconnecting the flow-through cell from the pump and filling the laboratory-supplied sample bottles directly from the pump discharge.
8. 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.

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.

3.4.6 Health and Safety

All field activities will be conducted in accordance with the Health and Safety Plan (Appendix C, Phase II RFI Work Plan; DuPont, 2010).

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, Phase II RFI Work Plan; DuPont, 2010).

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4.0 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).

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 3 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.

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 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, G.A. 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).

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 5 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.

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 below displays the appropriate flow to be used with each type of risk category per DNREC SWQSs

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 7Q10 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 as follows [measured in cubic feet per second (cfs)]:

	Trenton Gage (Gage 01463500)	Philadelphia (Gage 01474500)	Total Flow Adjacent to Site
Harmonic Mean Flow	6,902 cfs	1,373 cfs	8,275 cfs
30Q5 Flow	2,807 cfs	410 cfs	3,217 cfs
7Q10 Flow	--	--	2,500 cfs

The 7Q10 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 ($\mathbf{Q_R}$) 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, $\mathbf{Q_{GW}}$, is calculated based on Darcy's law, as follows:

$\mathbf{Q_{GW} = k * i * A}$

Where,

k = hydraulic conductivity = 3.5 feet per day (ft/d)

This is based on the slug test result from monitoring well MW-02.

i = average hydraulic gradient = 0.019 foot/foot (ft/ft)

This 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.

A = cross-sectional area of flow = 31,000 square feet

This 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.

Q_{GW} =3.5 ft/d * 0.019 ft/ft * 31,000 ft^2 = 2.017 cubic feet per day (cft/d, or 0.024 cfs)

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 Q_R and Q_{GW} listed in Sections 4.1.2 and 4.1.3, respectively:

Risk Category	Q_R	Q_{GW}	SWPF (rounded)
Human Health Carcinogens	8,275 cfs	0.024 cfs	339,300 **$SWPF_{HHC}$**
Human Health Systematic Toxicants	3,217 cfs	0.024 cfs	131,900 **$SWPF_{HHST}$**
Protection of Aquatic Life	2,500 cfs	0.024 cfs	102,500 **$SWPF_{PAL}$**

4.1.5 Selection of Screening Levels

Site-specific screening levels are calculated by multiplying the values from Table 5 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 **$SWPF_{HHC}$** by each Human Health Carcinogens Screening Factor for each COC.
2. Multiply the **$SWPF_{HHST}$** by each Human Health Systemic Toxicants Screening Factor for each COC.
3. Multiply the **$SWPF_{PAL}$** 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 6 presents the final groundwater screening levels for use in the post-closure groundwater monitoring program.

The Table below summarizes the screening level selected for each COC.

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
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 μg/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 3.

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.

5.0 POST-CLOSURE MAINTENANCE ACTIVITIES

This section describes the planned activities to maintain the integrity of the ponds' containment system and the function of the monitoring and security systems.

DuPont covered 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.

5.1 Quarterly Inspections

The capping system surface, the drainage conveyance, and other areas of the site will be inspected quarterly. 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 the plant).

5.2 Maintenance of the Waste Containment System

A properly installed capping system, such as at the Edge Moor closed surface impoundments, 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 surficial vegetative cover and surface-water runoff conveyances are the predominant maintenance tasks.

Routine and as-needed maintenance operations will be conducted to ensure the function of the containment system. 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 DuPont property at a storm-water outfall.

Any damage (e.g., loss) of the vegetation or topsoil will be identified during the quarterly inspection and will be repaired and/or replaced. 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. The DNREC Solid and Hazardous Waste Management Branch (SHWMB) will be notified should DuPont discover any site damages incurred during storms or other events.

5.3 Maintenance of the 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 operating Edge Moor Plant will be responsible for area security. The entire facility is 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. Employees must show identification to obtain access; visitors must sign in and out and wear a visitor badge at all times. A security system will prevent unauthorized access to the areas around the closed surface impoundments. All maintenance of the site security systems will be conducted by DuPont Edge Moor facility personnel.

6.0 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 will be in accordance with the schedule summarized below:

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

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7.0 REFERENCES

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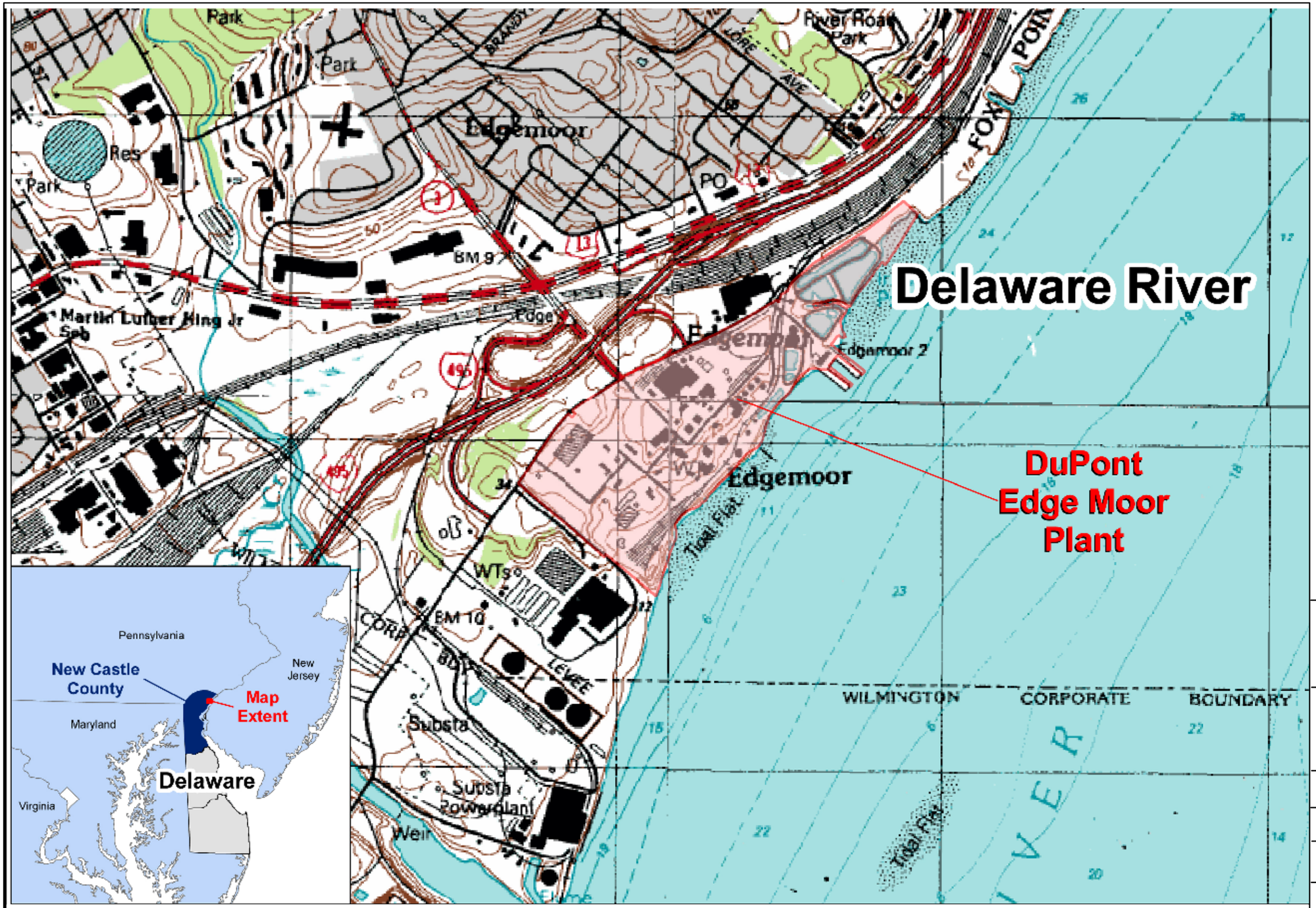
FIGURES



Notes:

Image is a compilation of USGS topographic 7.5 minute series, quadrangles (Wilmington South, Wilmington North, Marcus Hook, Penns Grove), dated 1983.

Scale:
1 inch = 1000 feet

PARSONS
1601 Market Street
Suite 900
Philadelphia, PA 19103

Site Location

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: 1

File Name:
P:\GIS\EdgeMoor\MXD\Fig 01 Location Map.mxd

Legend

- Closed Ponds
- Monitoring Well Locations
- 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

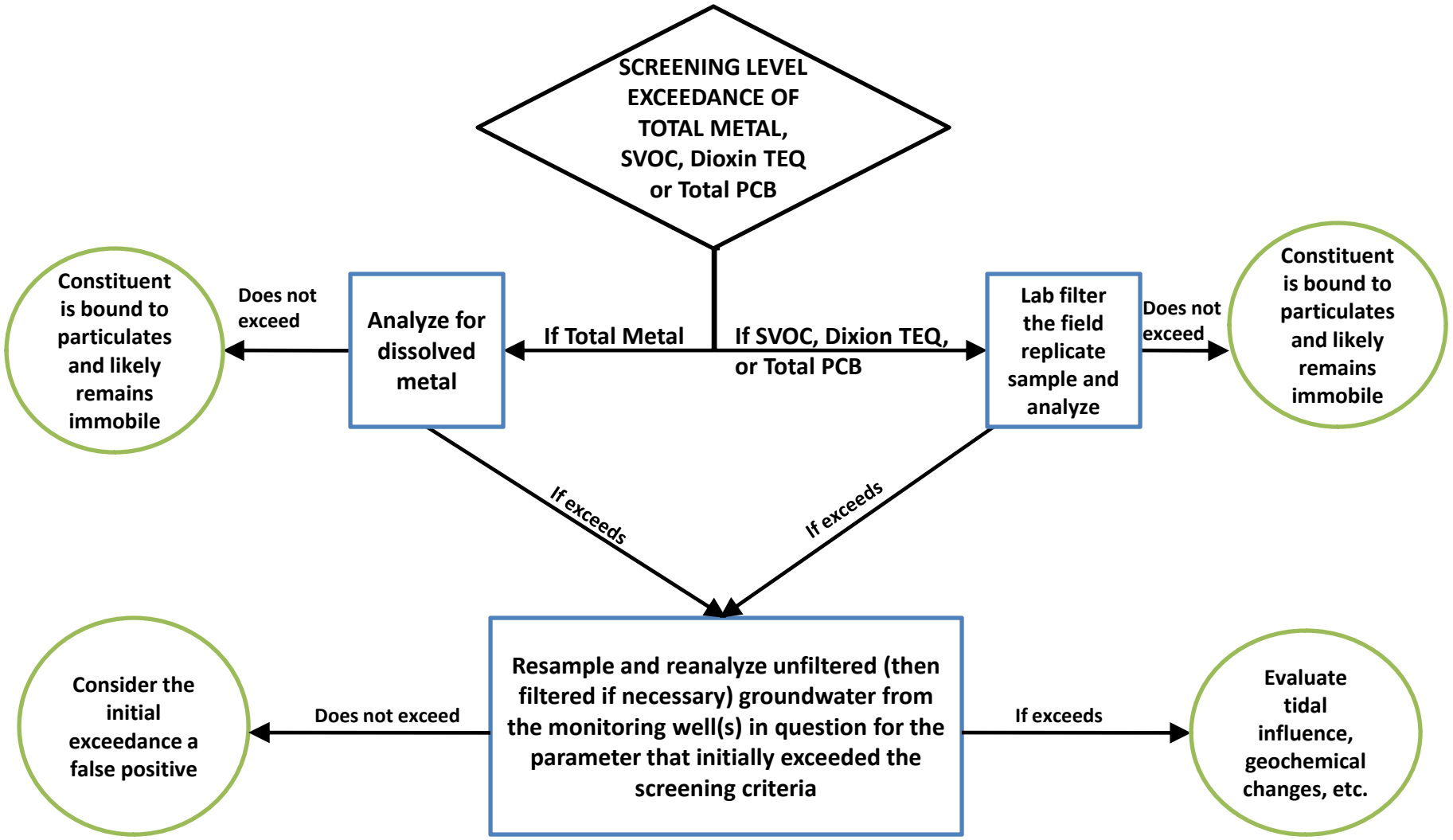
Closed Surface Impoundments Monitoring Area

Edge Moor Closed Surface Impoundments
Post-Closure Care Plan
Edgemoor, Delaware

Created: D. Vitek	DuPont Project Number: 7359
Date: 3/2/10	Parsons Project Number:
Rev. Number:	Figure Number: 2

File Name:
P:\GIS\EdgeMoor\MXD\Fig 02 Closed Surface Imps.mxd

Figure 3
Screening Level Exceedance Action Matrix
Post-Closure Care Plan – Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware



TABLES

Table 1
Revised Sampling and Analysis Program
Post-Closure Care Plan – Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-2	205018	63.5	43.5 - 63.5	53.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-3	205019	63.5	43.5 - 63.5	53.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-4	205020	72	57 - 72	64.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-5	205021	74	59 - 74	66.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-6	202022	79	64 - 79	71.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-7	205023	85	75 - 85	80	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-8	--	85	70 - 85	77.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-9	205025	62	52 - 62	57	metals[1], sem-ivolatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]
MW-10	205026	51	36 - 51	43.5	metals[1], semi-volatile organic compounds (SVOCs)[2]	PCBs[3], dioxins, and furans[4]

[1] total and dissolved antimony, arsenic, manganese, thallium (EPA method 6020)
[2] hexachlorobenzene, hexachlorobutadiene, octochlorostyrene, pentachlorobenzene (EPA method 8270C)
[3] polychlorinated biphenyls (EPA method 1668)
[4] polychlorinated dibenzo(p) dioxins and furans (EPA method 1613)
bgs = below ground surface
-- = permit # not available

Table 2
Sample Container, Preservation, and Holding Time Requirements
Post-Closure Care Plan – Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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

Note: Samples collected for multiple parameters may be collected into a larger size sample container provided container type and preservation requirements are the same.

Table 3
Human Health Protection Screening Level Selection
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

	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 (1)	
	Fish Ingestion		Freshwater Fish Ingestion				
Contaminant Of Concern (µg/L)	Systemic Toxicants	Human Carcinogens	Systemic Toxicants	Human Carcinogens	Human Health for the Consumption of Organism Only	Systemic Toxicants	Human Carcinogens
Metals (2)							
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 (3)	100 (3)	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

(1) Lower of State of Delaware (2004b) or DRBC (2008) values, when available; otherwise, USEPA (2009b) criteria are adopted.
(2) State of Delaware and USEPA criteria for metals are based on dissolved concentration; DRBC values apply to total concentration.
(3) 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
Freshwater Aquatic Life Protection Screening Level Selection
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Contaminant of Concern (µg/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 of Aquatic Life [1]
Metals [2]					
Antimony	N/A	N/A	N/A	30	30
Arsenic (III)	150	190	150	--	150
Manganese	N/A	N/A	N/A	1150[3]	1,150
Thallium	N/A	N/A	N/A	40[4]	40
Organic Compounds					
Hexachlorobenzene	N/A	N/A	N/A	0.0003[5]	0.0003
Hexachlorobutadiene	N/A	N/A	N/A	1.3[5]	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[6]	0.47
Dioxin TEQ	N/A	N/A	N/A	3.1E-09[5]	3.10E-09

(1) 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.
(2) DNREC and USEPA criteria for metals are based on dissolved concentration; DRBC values apply to total concentration.
(3) Manganese criterion based on British Columbia chronic guideline at a hardness of 124 mg/L as $CaCO_3$ (BCME, 2001)
(4) 30-day chronic fathead minnow LOEC for thallium (Le Blanc, G. A. and J. W. Dean 1984).
(5) Bioaccumulative reference value
(6) Tier II Secondary chronic value (Suter and Tsao, 1996)
N/A: Criterion not available

Table 5
Selected Criteria and Benchmarks for Protection of Human Health and Aquatic Life
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Contaminant Of Concern (µg/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	0.36	0.00028	0.0003(1)
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 TEQ	N/A	5.10E-09	3.10E-09(1)

(1) bioaccumulative reference value

Table 6
Final Selected Groundwater Screening Levels
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

	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 (30Q5 flow)**	**2,500 cfs (7Q10 flow)**	
Surface Water Protection Factor	**131900**	**339300**	**102500**	
Contaminant of Concern (mg/L)				
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**
Organic Compounds				
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**[(1)]
Total PCBs	1.12	0.0152	1.435	**0.0152**
Pentachlorobenzene	197.85	N/A	48.175	**48.175**
Dioxin TEQ	N/A	1.73E-06	1.05E-06	**1.05E-06**

(1) This is the most typical current PQL for Octachlorostyrene per USEPA Method SW 8270
N/A: Not Available

APPENDIX A

GROUNDWATER CONCENTRATIONS FROM BASELINE GROUNDWATER COMPLIANCE LIMITS LETTER JULY 20, 2006

Groundwater Concentrations: MW-1
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Sample Date	6/05[1]		7/05[1]		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**	---	**2.58 J**	---	**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	136 B	---	**64.1**	---	**438**	1850 B	**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)
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**	**29.7 J**	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
PCBs (pg/L)														
PCB 77	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)
PCB 81	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)
PCB 105	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)	124 B	ND (5.81)	ND (11)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	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)[2]	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	21.8 B	**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)	1880 B	ND (51)	ND (51.6)
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)	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)

(1): First column - original results, second column - duplicate sample results

(2): PCB 209

B: Blank Contamination

J: Estimated Concentration

ND: Not Detected

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-2
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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**	**12 J**	**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)	**2.64 J**	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)	**3.13 J**	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	519 B	**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**	**5.10 J**	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	**5.30 J**	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)
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)	**128 J**	ND (233)	ND (186)	ND (93)	ND (186)	ND (93)	**128 J**	ND (93)	**112 J**	**96.1 J**	**163 J**
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)	**228 J**	ND (100)	ND (200)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)	ND (100)
PCBs (pg/L)												
PCB 77	ND (49.1)J	**4.27 J**	2.32 B	3.62 B	**3.14 J**	ND (3.32)	ND (6.71)	ND (5.57)	**6.36 J**	**53.3**	ND (5.26)	ND (8.77)
PCB 81	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)
PCB 105	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)	138 B	ND (7.43)	ND (12.9)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	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)[(1)]	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)	5010 B	121 B	5.24 B	155 B	**539**	20.7 B	ND (52.8)	174 B	**6.36**	3030 B	ND (51.5)	ND (104)
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)	1740 B	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)

(1): PCB 209
B: Blank Contamination
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-3
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Sample Date	06/05	07/05	08/05	9/05[1]		10/05[1]		11/05[2]		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**	**3.16 J**	**2.64 J**	**1.27 J**	ND (1.68)	**3.28 J**	**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**	154 B	101 B	**37.4 J**	**24.1 J**	**153**	**76.7**	161 B	170 B	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)
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)	**5.30 J**	**2.75 J**	**5.73 J**	**11.0 J**	**4.41 J**	ND (5.21)	4.18 B	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)															
PCB 77	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)
PCB 81	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)
PCB 105	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)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	ND (49.2)	3.44 B	3.85 B	ND (3.29)	5.12 B	**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)
PCB 189	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)[2]	**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)
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)	1690 B	488 B	8.06 B	3.57 B	9.03 B	4.46 B	3.46 B	252 B	13.9 B	ND (52.7)	31.8 B	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)	162 B	ND (25)	ND (26.3)	31.8 B	ND (25.2)	1940 B	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

(1): First column - original results, second column - duplicate sample results
(2): PCB 209
B: Blank Contamination
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-4
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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)	**8.12 J**	**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	13.8 BJ	ND (3.34)	ND (6.91)	39.9 BJ	**56.7**	**60.7**	88.8 B	131 B	13.5 B	**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)	1.79 B	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)	**2.16 J**	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)
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)	2.13 B	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)												
PCB 77	ND (48.7)	6.78 J	ND (1.7)	ND (2.25)	**3.31 J**	ND (4.16)	ND (9.57)	ND (5.18)	**18.2 J**	ND (25.9)J	ND (5.34)	ND (8.18)
PCB 81	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)
PCB 105	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)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	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)[(1)]	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)
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)	1770 B	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**	133 B	ND (24.9)	ND (24.6)	ND (26.5)	ND (24.8)	ND (27.8)	55.5 B	**3100**	41.6 B	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)

(1): PCB 209

B: Blank Contamination

J: Estimated Concentration

ND: Not Detected

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-5
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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	15 B	**5.25 J**	**20.3 J**	66.8 B	79 B	**19.9 J**	50.4 B	34.3 B	71.8 B	**16 J**	136 B	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)
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)	**1.33 J**	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)												
PCB 77	**16.5 J**	**5.92 J**	3.59 B	ND (2.12)	3.19 B	ND (3.17)	ND (5.28)	ND (3.9)	ND (5.39)	ND (24.8)J	ND (4.31)	ND (15.2)
PCB 81	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)
PCB 105	**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**	**21.3 J**	ND (17.4)	ND (17.2)	ND (18)	26 B	ND (5.8)	ND (15.6)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
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)
PCB 189	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)[(2)]	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**	314 B	81.9 B	ND (51.6)	103 B	140 B	**57.4**	125 B	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)	132 B	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**	106 B	ND (24.4)	ND (25.8)	ND (25.7)	ND (24.6)	ND (24.8)	91.7 B	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

(1): First column - original results, second column - duplicate sample results
(2): PCB 209
B: Blank Contamination
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-6
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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)	**7.18 J**	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)	13.6 B	<5.64	**6.94 J**	50.3 B	4.7 B	<4.44	**8.51 J**	10.5 B	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)
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)	**8.24 J**	**2 J**	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)	13.7 B	ND (10)	ND (10)	ND (10)	ND (10)
PCBs (pg/L)												
PCB 77	ND (16.7)	5.56 B	13.8 B	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)
PCB 81	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)
PCB 105	**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**	16.7 B	**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)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	ND (4.11)	ND (1.6)	**14 J**	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	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)[2]	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	313 B	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)	7.19 B	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)	157 B	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)

(1): First column - original results, second column - duplicate sample results

(2): PCB 209

B: Blank Contamination

J: Estimated Concentration

R: Rejected Data

ND: Not Detected

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-7
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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)	**1.76 J**	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)
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)	21.9 B	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)	**4.19 J**	**15.1 J**	ND (4.86)	ND (2.99)	1.58 B	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)												
PCB 77	ND (22.2)	8.9 B	ND (2.38)	3.17 B	ND (3.22)	10.6 B	ND (6.48)	12.5 B	ND (6.37)	ND (24.2)J	8.60 BJ	ND (11.4)
PCB 81	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)
PCB 105	**56.8**	15 B	ND (8.54)	ND (7.29)	ND (11.2)	41.6 B	ND (11.4)	**16 J**	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)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	ND (7.16)	4.16 B	3 B	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)
PCB 189	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)	**5.17 J**	ND (2.56)
TOTAL DECACHLOROBIPHENYLS (CONGENERS)[(2)]	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)	13.4 B	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**	1370 B	54.1 B	3.17 B	33.4 B	1910 B	ND (52.6)	469 B	54.3 B	288 B	347 B	ND (105)
TOTAL PENTACHLOROBIPHENYLS (CONGENERS)	**730**	155 B	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)	1080 B	ND (26.3)	201 B	54.3 B	254 B	126 B	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)

(1): First column - original results, second column - duplicate sample results

(2): PCB 209

B: Blank Contamination

J: Estimated Concentration

ND: Not Detected

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-8
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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)	**2.76 J**	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)
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)	**12.8 J**	**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)
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)	10.7 B	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)[2]	**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)

(1): First column - original results, second column - duplicate sample results
(2): PCB 209
B: Blank Contamination
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-9
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Sample Date	06/05	07/05	08/05	09/05	10/05	11/05	12/05[1]		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**	1.55 B	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)	4.19 B	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)	---	---	---	---	---	---	---	---	---
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)													
PCB 77	ND (6.43)	5.19 B	3.15 B	4.32 B	ND (4.01)	10.7 B	ND (4.17)	ND (5.06)	6.65 B	ND (6)	ND (3.71)	ND (4.24)	ND (10.3)
PCB 81	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)
PCB 105	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)	51.4 B	ND (15.9)	ND (13.9)	ND (12.2)	ND (19.8)	ND (16)	ND (7.35)	ND (17.2)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	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)[2]	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	91.5 B	8.30 B	4.03 B	2120 B	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)	512 B	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	1240 B	ND (25.3)	ND (25.8)	112 B	25.2 B	350 B	ND (26)	ND (52.7)
TOTAL TRICHLOROBIPHENYLS (CONGENERS)	**274**	155 B	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)
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)

(1): First column - original results, second column - duplicate sample results
(2): PCB 209
B: Blank Contamination
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ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-10
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

Sample Date	06/05	07/05	8/05[1]		09/05	10/05	11/05	12/05	1/06[1]		2/05[1]		3/06[1]		4/06[1]		5/06[1]	
Dioxins (pg/L)																		
1,2,3,4,6,7,8-HPCDD	ND (2.68)	**1.97 J**	ND (2.57)	ND (2.37)	**1.37 J**	ND (1.31)	**9.99 J**	**6.29 J**	**3.92 J**	**2.4 J**	**4.55 J**	**7.14 J**	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)	15.6 B	14.9 B	**14.7 J**	28.3 B	50.3 B	38.1 B	62.4 B	97 B	**24 J**	**23.5 J**	17.9 B	13.5 B	**7.55 J**	**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)	**4.18 J**	**3.71 J**	**2.52 J**	**3.85 J**	**6.27 J**	**13.9 J**	**2.19 J**	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)
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)																		
PCB 77	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)
PCB 81	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)
PCB 105	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)	15.5 B	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)
PCB 114	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)
PCB 123	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)
PCB 126	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)
PCB 156	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)
PCB 157	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)
PCB 167	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)
PCB 169	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)
PCB 189	ND (2.56)	ND (1.43)	**12.6 J**	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)[2]	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)	5.18 B	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**	122 B	16400 B	1390 B	8.98 B	7.04 B	258 B	ND (50.4)	ND (49.4)	**118**	27.1 B	107 B	ND (50.2)	**232**	ND (50.6)	15.2 B	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)
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)

(1): First column - original results, second column - duplicate sample results
(2): PCB 209
B: Blank Contamination
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: QA/QC Blanks
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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	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
Sample ID	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**	---	**12.9 J**	---	---	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	**17.6 J**	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)
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)	**1.9 J**	**6.4**	**1.3 J**	**1.2 J**	**3 J**	**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)																													
PCB 77	ND (49.5)	---	4.26 BJ	---	23.6 BJ	**4.7 J**	ND (4.25)	**3.17 J**	**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)
PCB 81	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)
PCB 105	ND (49.5)	---	ND (11.9)	---	**71.4 J**	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)
PCB 114	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)
PCB 123	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 (16.8)	---	---	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)
PCB 126	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)
PCB 156	ND (49.5)	---	ND (2.87)	---	**5.18 J**	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)
PCB 157	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)
PCB 167	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 (4.26)	---	---	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)
PCB 169	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)
PCB 189	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)
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)**	**210 B**	**---**	**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
J: Estimated Concentration
ND: Not Detected
BOLD: Analyte detected above MDL and not 'B' flagged

APPENDIX B

GROUNDWATER ANALYTICAL RESULTS: PCBs, DIOXIN TEQs, SEMI-VOLATILE ORGANIC COMPOUNDS AND METALS (MAY 2007 – OCTOBER 2009)

Groundwater Concentrations: MW-1
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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)					
PCB 77	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
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	10 B	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	13.2 B	7.71 B	NA
TOTAL HEXACHLOROBIPHENYLS (CONGENER SUM)	60.1 B	7 B	ND (2.32)	6 B	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 [(1)]	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-2
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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)					
PCB 77	ND (2.9)	ND (1.22)	ND (1.93)	ND (1.21)	NA
PCB 81	ND (2.78)	ND (1.12)	ND (1.88)	ND (1.13)	NA
PCB 105	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
PCB 114	ND (2.48)	ND (0.971)	ND (1.04)	ND (0.671)	NA
PCB 123	ND (2.35)	ND (0.972)	ND (1.08)	ND (0.686)	NA
PCB 126	ND (2.69)	ND (0.999)	ND (1.12)	ND (0.822)	NA
PCB 156/157	ND (3.35)	ND (0.977)	ND (1.42)	ND (1.16)	NA
PCB 167	ND (2.47)	ND (0.721)	ND (1.12)	ND (0.859)	NA
PCB 169	ND (2.96)	ND (0.971)	ND (1.69)	ND (0.993)	NA
PCB 189	ND (2.49)	ND (0.967)	ND (1.4)	ND (0.925)	NA
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	16.8 B	9 B	14 B	NA
TOTAL DECACHLOROBIPHENYLS [(1)]	19.9 B	7.33 B	12.5 B	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	192 B	132 B	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-3
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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	**0.13 J**	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
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 [(1)]	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	178 B	179 B	128 B	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
(1): PCB congener 209
EMPC: Estimated Maximum Potential Concentration
B: Not detected substantially above the level measured in lab or field blanks
J: Analyte present. Reported concentration may not be accurate or precise
ND: Not Detected
NA: Not Analyzed
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-4
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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	12.3 B	6.81 B	NA
TOTAL TETRACHLOROBIPHENYLS (CONGENER SUM)	32.5 B	23.9 B	4.52 B	13.2 B	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	17.6 B	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 [(1)]	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	197 B	210 B	134 B	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-5
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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	18.4 B	13.6 B	NA
TOTAL TRICHLOROBIPHENYLS (CONGENER SUM)	17.6 B	2.95 B	14 B	6.85 B	NA
TOTAL TETRACHLOROBIPHENYLS (CONGENER SUM)	44.5 B	26.6 B	13.4 B	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)	2.14 B	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 [(1)]	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-6
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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	13.2 B	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 [(1)]	**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	19 B	NA
TOTAL PCB (CONGENER SUM) (ND=1/2 MDL)	409.5 B	156 B	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-7
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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	12.7 B	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	21.3 B	7.01 B	NA
TOTAL NONACHLOROBIPHENYLS (CONGENER SUM)	38 B	20 B	63.2 B	5.02 B	NA
TOTAL DECACHLOROBIPHENYLS [(1)]	21.4 B	8.46 B	35.9 B	9.13 B	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	137 B	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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-8
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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)					
PCB 77	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
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**	16 B	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	12 B	5.11 B	NA
TOTAL PENTACHLOROBIPHENYLS (CONGENER SUM)	80.8 B	35.2 B	ND (1.39)	12.7 B	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 [(1)]	**51.1**	**8.7**	ND (2.92)	ND (1.45)	NA
TOTAL PCB (CONGENER SUM) (ND=0)	442.2 B	166 B	34 B	45 B	NA
TOTAL PCB (CONGENER SUM) (ND=1/2 MDL)	536.3 B	258 B	187 B	133 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

(1): PCB congener 209

EMPC: Estimated Maximum Potential Concentration

B: Not detected substantially above the level measured in lab or field blanks

J: Analyte present. Reported concentration may not be accurate or precise

ND: Not Detected

NA: Not Analyzed

BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-9
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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)	130 B	30.1 B	26.4 B	17.7 B	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 [(1)]	**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	159 B	125 B	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
(1): PCB congener 209
EMPC: Estimated Maximum Potential Concentration
B: Not detected substantially above the level measured in lab or field blanks
J: Analyte present. Reported concentration may not be accurate or precise
ND: Not Detected
NA: Not Analyzed
BOLD: Analyte detected above MDL and not 'B' flagged

Groundwater Concentrations: MW-10
Post-Closure Care Plan Addendum 1 Revised Monitoring and Maintenance Plan Closed Surface Impoundments
DuPont Edge Moor Plant
Edgemoor, Delaware

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
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
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	16.5 B	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	17.9 B	31.5 B	10.8 B	NA
TOTAL PENTACHLOROBIPHENYLS (CONGENER SUM)	32.5 B	29.6 B	124 B	32.4 B	NA
TOTAL HEXACHLOROBIPHENYLS (CONGENER SUM)	20.2 B	12.2 B	215 B	56.4 B	NA
TOTAL HEPTACHLOROBIPHENYLS (CONGENER SUM)	9.99 B	3.19 B	**124**	31.9 B	NA
TOTAL OCTACHLOROBIPHENYLS (CONGENER SUM)	5.87 B	ND (1.05)	**40.1**	13 B	NA
TOTAL NONACHLOROBIPHENYLS (CONGENER SUM)	ND (2.97)	ND (2.82)	**21.6**	**7.26**	NA
TOTAL DECACHLOROBIPHENYLS [(1)]	**8.93**	ND (1.34)	**51**	**8.6**	NA
TOTAL PCB (CONGENER SUM) (ND=0)	219 B	110 B	691 B	194 B	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
(1): PCB congener 209
EMPC: Estimated Maximum Potential Concentration
B: Not detected substantially above the level measured in lab or field blanks
J: Analyte present. Reported concentration may not be accurate or precise
ND: Not Detected
NA: Not Analyzed
BOLD: Analyte detected above MDL and not 'B' flagged