

State of Delaware

Department of Natural
Resources and
Environmental Control

Division of Air Quality



*Annual
Title V Fee
Committee
Status
Report*

Calendar
Year
2022

Published May 12, 2023

This report meets the requirements of 7 Del. C. Chapter 60, Subchapter VIII, Section 6097(1)

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Introduction

Title V is an air pollution control program, based in federal law, designed to standardize air quality permits and the permitting process for major sources of air emissions across the country. The name "Title V" comes from Title V of the 1990 Federal Clean Air Act Amendments, which required that the U.S. Environmental Protection Agency (EPA) establish a national operating permit program. Accordingly, EPA adopted regulations [Title 40 of the Code of Federal Regulations, Chapter 1, Part 70 (Part 70)] which required states and local permitting authorities to develop and submit a federally enforceable operating permit program for EPA approval. As a result, the State of Delaware developed 7 DE Admin. Code 1130.

Section 502(b) of the 1990 Clean Air Act Amendments requires that all sources subject to the permitting requirements under Title V of the 1990 Clean Air Act Amendments pay an annual fee, sufficient to cover all reasonable (direct and indirect) costs required to develop and administer the permit program. These requirements were incorporated into 7 *Del. C.* Chapter 60, Subchapter VIII. These fees must be reviewed periodically (currently every three years) before the authorization expires to consider adjustments. In the State of Delaware, these annual fees are paid by both "Major Sources" and "Synthetic Minor" sources. EPA defines a Major Source as a facility that emits, or has the potential to emit (PTE) any criteria pollutant or hazardous air pollutant (HAP) at levels equal to or greater than the Major Source Thresholds (MST). The MST for criteria pollutants may vary depending on the attainment status and non-attainment classification (e.g. moderate, serious, severe, extreme) of the geographic area in which the facility is located. Sources may also elect to take voluntary limits to reduce their PTE to below the MST. These sources are called Synthetic Minor sources.

The Title V revenue is intended to ensure a stable level of support for the technically complex activities undertaken by the Department of Natural Resources and Environmental Control (DNREC) to ensure both protection of human health and the environment and a reasonable level of service to customers seeking permits and other services. The services provided by the Department, supported wholly or partially by this Title V fee revenue, are summarized in a later section of this report called "Program Accomplishments" and include:

- Permitting activities;
- Compliance activities;
- Enforcement activities;
- Planning activities;
- Emission inventory activities;
- Air monitoring activities;
- Portion of Small Business Ombudsman activities; and
- Other special projects/accomplishments.

These activities and the fees required to support this work are consistent with the EPA guidance for Title V programs. This report is intended to provide a reasonable amount of accountability for those activities and the fees assessed.

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Title V Fee Committee

Delaware Statute established the Title V Operating Permit Program Advisory Committee¹ (also known as the Title V Fee Committee herein) and specified that the membership of this committee include certain emitting business interests as well as members of the public and non-governmental organizations. The purpose or charter of the Title V Fee Committee is to assess whether the fees collected pursuant to 7 *Del. C.* Chapter 60, Subchapter VIII are adequate to ensure the effective implementation of the Program and to make recommendations to remedy or improve any deficiencies or elements of the Program.

The Title V Fee Committee, by working together, has expanded its scope to include renegotiating the Title V fee structure periodically prior to expiration to ensure that the eligible financial needs of the Division of Air Quality (DAQ) and other Title V requirements are being met while the payment burden is distributed fairly across the Major Source and Synthetic Minor facilities. Over the past several fee cycles, the DAQ, in coordination with the Committee, established revenue requirements based on Full Time Employee (FTE) staffing levels. The projected staffing levels and supporting salaries set the basis for the total Title V annual revenue for the subsequent three-year fee cycle. Once the revenue target is set, the Title V Fee Committee works with the Major and Synthetic Minor Sources to determine how the fees will be distributed fairly.

The Title V Fee Schedule for 2021-2023, which was supported by the Title V Fee Committee, was presented to the Delaware General Assembly through Senate Bill 249. It was passed by the Senate on June 23, 2020, passed by the House on June 25, 2020 and was signed by the Governor on August 6, 2020. The current legislation can be found in 7 *Del. C.* Chapter 60, Subchapter VIII and is available at: <http://delcode.delaware.gov/title7/c060/sc08/index.shtml>.

The Title V Fee Committee met in 2022:

- September 27, 2022: The Committee met to review 2021 Annual Report and discuss scheduling of next meeting for fee negotiations.
- November 29, 2022: The Committee met to review and discuss the next round of fee negotiations for 2024-2026.

The materials from each of these meetings are available for review at:

<https://dnrec.alpha.delaware.gov/air/permitting/major-air-sources/title-v-committee/>

¹ 7 *Del. C.* Chapter 60, Subchapter VIII § 6099 requires that the Committee "...include, but not be limited to, the Secretary of the Department of Natural Resources and Environmental Control, or the Secretary's duly appointed designee; the Director of the Division of Air Quality, or the Director's duly appointed designee; 2 members who will represent stationary sources; 1 to be a member of the Chemical Industry Council; a member of the Delaware State Chamber of Commerce; a member representing a public utility; 2 members of a nationally affiliated or state environmental advocacy group; and the chairpersons of the House and the Senate Natural Resource Committees. The Secretary of the Department of Natural Resources and Environmental Control shall serve as the Chair of this Committee."

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Billing

The Title V invoices for Calendar Year 2022 were mailed in January 2022. Facilities could choose to pay their bill in one payment or in quarterly payments. If the facility chose to pay their bill in one payment, it was due 30-days after the invoice date. If the facility chose to pay their bill in quarterly payments, the payments were due on March 31st and June 30th. If a facility does not pay their bill, they are considered overdue and will be sent three reminders. The third reminder is sent certified mail. A source is considered delinquent if their bill was not paid in full by June 30, 2022. Any delinquent source shall be subject to a 2% compounding monthly interest rate for each month delinquent. Furthermore, consistent with the legislation, the Department has the authority to revoke a permit on the sole basis that the annual fee has not been paid.

Overall Program Costs

See Table 1 for a summary breakdown of Calendar Year 2022 Title V Costs.

Table 1: 2022 Title V Costs

Salary	\$2,191,031.73
Travel	\$0.00
Contractual	\$145,720.32
Supplies	\$52,318.29
Capital Outlay	\$39,796.58
Additional Support Services	\$548,228.42
Total	\$2,977,095.34

Note: While the state operates on a fiscal year basis (July 1 - June 30), the Title V fees are billed and spent on a calendar year basis. Consequently, some “Additional Support Services” costs, charged by other programs/organizations, may be expended outside of CY 2022 cost factors.

Note: 2022 Title V Account Annual/Monthly statement is presented in Appendix A.

Note: Items covered under the ‘Contractual’ category include: Fleet charges (vehicle rentals), building rent, utilities, vendor payments, temp services, and upkeep of some air monitoring equipment.

Note: Items covered under “Additional Support Services” include: Information Technology (\$23,377.00), the Environmental Crimes Unit (\$502,792.59), and Office of the Secretary Support (\$22,058.83).

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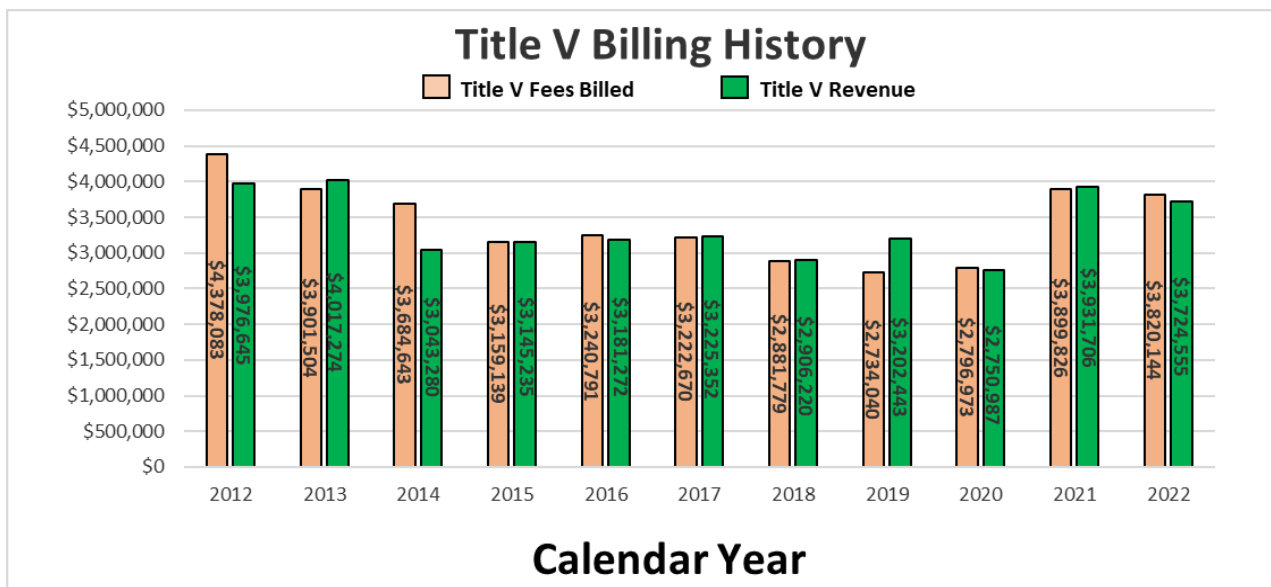
Fees Collected

Title V fees are billed on a calendar year basis (January 1 through December 31) and the 2022 Title V revenue is determined by the actual monies deposited into the Title V account during calendar year 2022 only. The final revenue is impacted by interest gained on the Title V account, quarterly payments, and some early payments that may be received and deposited in December 2021 for 2022 fees. This makes comparing revenue and fees collected difficult.

For CY2022, **70** Synthetic Minor and **48** Title V facilities were billed. A total of **\$3,820,144.21**, including previous years' back fees, was billed. Of the total amount billed, **\$3,749,805.62** was collected and **\$70,338.59** is delinquent. The difference of **\$70,338.59** was the result of three facility's non-payment of fees and late fees assessed in 2022 delinquent balances (see **Table 5**). Any back fees that are collected in 2023 will be counted towards the 2024 revenue.

The Calendar Year 2022 Title V revenue was **\$3,724,554.71**. See Figure 1 for a history of Title V billing and revenue since 2012.

Figure 1: Title V Billing and Revenue History 2012-2022



On December 31, 2022, the Title V cash carryover balance was **\$4,311,649** (see **Table 2**). Table 3 below captures the carryover balance history, while Table 4 predicts the carryover balance for end of year 2023.

Table 2: Title V Carryover Balance Calendar Year 2022

	2022
2021 Carryover Cash Balance	\$3,736,840
2022 Title V Fee Revenue	\$3,724,555
Sub-Total	\$7,461,395
2022 Total Expenses	-\$2,977,095
Encumbrances (Obligated) at 12/31/2022	-\$172,651
2022 Actual Carryover Balance	\$4,311,649

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Table 3: Title V Carryover Balance History by Calendar Year

	2017	2018	2019	2020	2021	2022
Total Title V Fee Revenue	\$3,225,352	\$2,906,220	\$3,202,443	\$2,750,987	\$3,931,707	\$3,724,555
Total Expenses	\$3,232,830	\$3,626,944	\$3,247,684	\$2,885,136	\$2,853,809	\$2,977,095
Actual Carryover Balance	\$3,559,156	\$2,838,432	*\$2,793,092	\$2,658,942	\$3,736,840	\$4,311,649

*Corrected 2019 Carryover Balance

As previously noted, the Title V revenue is determined by the actual monies deposited into the Title V account during a calendar year. The final revenue is impacted by interest gained on the Title V account, quarterly payments, and some early payments that may be received and deposited in one year for the next year’s fees.

Table 4: CY2023 Title V Carryover Balance Projection

	2023 Prediction
2022 Actual Carryover Balance	\$4,311,649
Estimated 2023 Title V Revenue	\$3,718,630
Estimated 2023 Total Expenses	\$3,602,266
2023 Projected Carryover Balance	\$4,428,013

The 2023 revenue prediction in the above calculation was based upon the total amount of actual fees billed for 2023 to include overdue fees from previous year billings. The 2023 total expenses prediction was based upon projected 2023 salary expenses for an average staffing level of 98%. For additional expense categories, the five-year averages plus an additional 2% cost of living expense for 2023 was used.

Delinquent Facilities

Consistent with legislative requirements and the Department collection policy, the Division of Air Quality first reported delinquent facilities in the 2014 Annual Report. As of the date of this report, **Table 5 (below)** provides a status update for the facilities reported delinquent for 2022.

Table 5: 2022 Delinquent Facilities

Facility Name	Amount Due	Recovery Actions
Coker Concrete	\$16,781.33	Facility did not pay a portion of 2022 fees. Notified facility of delinquency and late fee assessed due to delinquency. Payment expected as soon as possible.
Prince Minerals	\$17,232.90	Facility did not pay 2022 fees. Notified facility of delinquency and late fee assessed due to delinquency. Payment expected as soon as possible.
First State Investors	\$36,324.36	Facility did not pay 2021 & 2022 fees. Permit cancelled 2022
TOTAL	\$70,338.59	

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Fee Structure CY 2021-2023

The new Title V Fee Schedule for CY 2021-2023, which was supported by the Title V Fee Committee, was presented to the Delaware General Assembly through Senate Bill 249. It was passed by the Senate on June 23, 2020 and passed by the House on June 25, 2020, and was signed by the Governor on August 6, 2020.

This legislation updated the fee assessments based on the work of the Title V Operating Permit Program Advisory Committee and makes additional clarifying updates to the fee provisions. For 2021-2023, the total fee will be comprised of a base fee, user fee, and a program fee. Base fees are based on the number of staff hours spent on the source's permitting, compliance, and enforcement activities, while the user fee is based on the source's air emissions. The program fee will be assessed based on the total base and user fees. Additionally, the fee credit program implemented to reduce a prior fund balance was allowed to sunset as scheduled on December 31, 2020.

Table 7: Calendar Year 2021 through 2023 Title V Base Fee Schedule

Fee Type	Category	Category Description	2021 - 2023 Fees
Base Fee	A	> 6,000 Hours	\$277,020
Base Fee	B	5,001 – 6,000 Hours	\$108,300
Base Fee	C	4,001 – 5,000 Hours	\$93,480
Base Fee	D	3,001 – 4,000 Hours	\$80,940
Base Fee	E	2,001 – 3,000 Hours	\$57,000
Base Fee	F	1,501 – 2,000 Hours	\$42,180
Base Fee	G	1,001 – 1,500 Hours	\$28,500
Base Fee	H	667 – 1,000 Hours	\$18,240
Base Fee	I	334 – 666 Hours	\$9,120
Base Fee	J	0 – 333 Hours	\$5,700

Table 8: Calendar Year 2021 through 2023 Title V User Fee Schedule

Fee Type	Category	Category Description	2021-2023 Fees
User Fee	1	> 2,000 Tons	\$350,000
User Fee	2	1,001 – 2,000 Tons	\$100,000
User Fee	3	501 – 1,000 Tons	\$60,000
User Fee	4	201 – 500 Tons	\$28,000
User Fee	5	101 – 200 Tons	\$12,000
User Fee	6	51 – 100 Tons	\$9,000
User Fee	7	26 – 50 Tons	\$6,000
User Fee	8	6 – 25 Tons	\$4,100
User Fee	9	0 – 5 Tons	\$3,950

While the base and user fees categories and amounts remain the same (see **Table 7 above**) the program fees are described below in **Table 9**.

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Table 9: Program Fees

Category	Total Base and User Fees	Fee Amount
PF1	Total Base and User Fees greater than \$125,000	\$38,250
PF2	Total Base and User Fees \$100,000 - \$124,999	\$34,425
PF3	Total Base and User Fees \$50,000 - \$99,999	\$22,950
PF4	Total Base and User Fees \$25,000 - \$49,999	\$11,475
PF5	Total Base and User Fees \$15,000 - \$24,999	\$6,120
PF6	Total Base and User Fees \$10,000 - \$14,999	\$3,825
PF7	Total Base and User Fees < \$10,000	\$3,060

Current Staffing Levels

The Division’s end of calendar year 2022 staffing level was 86.6% and 8 positions were vacant. See **Table 10** for a breakdown of the staffing levels for the Sections and Groups within the Division.

Table 10: Division of Air Quality Staffing Levels (12/31/2022)

Section/Group	Authorized	Occupied	Staffing Level
Director’s Staff	2	2	100%
Analytical Support Group	2	2	100%
Operations Support Group	4	4	100%
Engineering & Compliance Section	24	20	88%
Planning Section	28	24	86%
Total	60	52	86.6%
Temporary Positions	2.0	0.0	0%
Seasonal Positions	2.0	1.0	50%

During CY2022 positions were reclassified and redistributed across the Division. Additionally, five full-time employees separated, and five additional full-time employees were hired. See **Table 11** for a list of hiring actions taken in calendar year 2022.

Table 11: Calendar Year 2022 Hiring Actions

Date	Name	Source	Position	Section	Funding
3/28/22	Jennifer Childears	External	Administrative Specialist III	Director	Grant/TV
7/5/2022	Maraquita Jenkins	External	Administrative Specialist II	E/C	Grant/TV
7/18/2022	Joe Warrington	External	Engineer I	E/C	TV
8/1/2022	Tristan Bostock	Internal	Env. Program Manager II	Planning	Grant
8/29/2022	Jennifer Childears	Internal	Office Manager	Director	Grant/TV
9/12/2022	Lauren Higdon	External	Administrative Specialist II	Planning	Grant/TV
10/9/2022	James Roberts	Internal	Env. Scientist III	ASG	Grant
12/5/2022	Jun Xie	External	Engineer III	E/C	TV

In August of 2019, the Division’s authorizations were reduced from 61 to 60 full time positions.

The DAQ organizational chart, dated December 31, 2022, is depicted in Appendix B.

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PROGRAM ACCOMPLISHMENTS

2022 Title V Permitting Activities

DAQ is responsible for all permitting activities at Title V and Synthetic Minor facilities. In calendar year 2022, the following permitting activities were accomplished:

- No new Title V Permits were issued;
- 6 Title V Permit Renewals were issued;
- No Title V Significant Permit Amendments were issued;
- 4 Title V Minor Permit Modifications were issued;
- 11 Title V Administrative Amendments were issued;
- 1 new Synthetic Minor Permit was issued; and
- 5 Synthetic Minor Permit Amendments were issued.

The Division of Air Quality is required to issue Title V Renewal Permits within 18 months or 547 days of determination of receipt of a complete application as defined by 7 DE Admin. Code 1130 (<http://regulations.delaware.gov/AdminCode/title7/1000/1100/1130.shtml#TopOfPage>). In calendar year 2022, the Division of Air Quality issued Title V Permit Renewals in 977 days of application receipt on average. Please note that this figure includes time spent working with facilities to obtain a complete application, the time to issue a renewal for a permit that was many years overdue, and the time to issue for three applications that had a public comment resolution process that lasted more than two years. DAQ continues to train new staff and issue permits that have been extended past their initial expiration date. Although the target was not met, the issuance of extended permits is representative of forward progress. DAQ expects this progress to continue through 2023. As part of the Value Stream Mapping efforts for the Synthetic Minor permitting program, the Division of Air Quality has committed to issuing Synthetic Minor permits and amendments within 120 days of receiving a complete application. In calendar year 2022, one operation permit was issued in 417 days including construction time. Five amendments were issued in an average of 220 days. Similar to Title V Permits, although the target was not met, issuance of these permits demonstrates forward progress. Please note that like 2021, DAQ experienced significant turnover in calendar year 2022 and is working to fill vacancies and train new staff.

2022 Title V Compliance Activities

Many Title V related compliance activities are undertaken by the DAQ each year. These activities include on-site compliance evaluations or inspections, stack tests, and report reviews. In calendar year 2022, the following compliance activities were undertaken:

- 39 on-site compliance evaluations were conducted at Title V facilities;
- 181 stack tests were conducted at Title V facilities;
- 208 report reviews were conducted for Title V facilities;
- 22 on-site compliance evaluations were conducted at Synthetic Minor facilities;
- 23 stack tests were conducted at Synthetic Minor facilities; and
- 36 report reviews were conducted for Synthetic Minor facilities.

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2022 Title V Enforcement Activities

If the compliance activities described above indicate that a facility is not in compliance with requirements, the DAQ will pursue enforcement action against that facility. Enforcement actions may take the form of Notices of Violation, Administrative Orders, Consent Decrees or Agreements, or Stipulated Penalties. In some cases, the Department takes no further action depending upon specific circumstances such as whether the violation was self-reported, minor, isolated and corrected quickly. In other cases, the Department has the authority and may seek, and generally obtains, fines and penalties.

In calendar year 2022, the following enforcement activities were completed (please note that this does not include pending enforcement activities):

- 10 Notices of Violation were issued to Title V facilities;
- 2 Administrative Orders were issued to a Title V facility;
- 1 Settlement Agreement was issued to a Title V facility;
- 1 Stipulated Penalty Demand Letter was issued to a Title V facility;
- 6 Notices of Violation were issued to Synthetic Minor facilities;
- 1 Administrative Order was issued to a Synthetic Minor facility; and
- No Consent Decrees were issued.

2022 Title V Planning Activities

During 2022, the Planning Section staff continued to adjust to the new normal with COVID-19 pandemic requirements to work remotely. The Planning Section of the Division of Air Quality was able to successfully accomplish the following Title V related planning activities in calendar year 2021:

- State Implementation Plan (SIP) activities:
 - Submitted Delaware’s second Regional Haze SIP on 8/8/22. Received the EPA completeness letter on 8/18/22.
 - Continued development of Delaware’s second 10-year Maintenance SIP for PM2.5. Public hearing tentatively planned for 2023.
- Regulatory Development Activities:
 - On October 4, 2022, EPA published in the Federal Register (87 FR 60102) a final rule approving Delaware’s State Implementation Plan (SIP) revision for amendments to 7 DE Admin. Code 1124, Section 33.0 “Solvent Cleaning and Drying”. These amendments (effective 8/11/21) pertain to the reduction of volatile organic compounds (VOC) emissions from cold solvent cleaning operations, primarily by 1) reduce the solvent VOC concentration from 100 percent to 25 grams per liter of non-VOC solution for most applications and 2) eliminating the exemption for cold cleaning machines containing less than one liter of solvent and less than five percent weight VOC.
 - Finalized administrative amendments to 7 DE Admin. Code 1102, 1103 and 1130 and published in the August 2022 Delaware Register.

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- Regulatory Development Activities continued:
 - EPA approved the administrative amendments to 7 DE Admin. Code 1124 - Control of Volatile Organic Compound Emissions, Sections 26.0 and 36.0 “Stage I/II Vapor Recovery” (Published Apr 2021). (June 2022).
 - Proposed amendments to 7 DE Admin. Code 1126 and 1131 - Motor Vehicle Inspection Programs for Sussex, Kent and New Castle Counties. Public hearing held September 29, 2022.
 - Began development of proposed amendments to 7 DE Admin. Code 1140 – Delaware’s Low Emission Vehicle Program to update the incorporation by reference to reflect the amendments California completed August 2022. Held two key stakeholder meetings; five public workshops and have received over 350+ comments. Public hearing scheduled for April 2023.

- Mobile Source Activities including:
 - Participated on Metropolitan Planning Organizations (WILMAPCO and Dover/Kent MPO) Technical Advisory Committee meetings;
 - Met with the Transportation Conformity Inter-Agency Consultation Workgroup to discuss SIP planning for PM_{2.5} and Ozone Attainment;
 - Participated in Vehicle Inspection and Maintenance Activities;
 - Participated on the Clean Air Council Delaware Diesel Difference; the Delaware Clean Air Council; and
 - Conducted the annual vehicle remote sensing study to provide data to 1) evaluate the effectiveness of Delaware’s vehicle inspection and maintenance program, and 2) develop strategies to further reduce mobile source emissions.

- Ambient Air Monitoring including:
 - Submitted to the EPA, in accordance with 40 CFR §58.10(a), an annual air monitoring network plan.
 - Received the ARP-Direct grant award which provides supplemental funding for the purchase of replacement PM_{2.5} and SO₂ monitoring equipment.

- Other Planning Activities:
 - Provided support to the Coastal Zone program for conducting technical reviews of Coastal Zone applications;
 - Coordinated with the Division of Climate, Coastal and Energy on the development of Delaware’s Climate Action Plan;
 - Continued to provide compliance assistance and oversight to auto body shops, dry cleaners, and gasoline delivery vessels for state and federal air regulations; and
 - Continued to track and provide oversight on vapor recovery tests of regulated gasoline dispensing facilities.

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- Litigation and EPA comments:
 - Continued work with the DE Attorney General regarding the U.S. Court of Appeals for the District of Columbia’s ruling for EPA’s exemption for RICE engines: 50-hour exemption from air pollution control requirements, for RICE engines that participate in demand response programs.
 - Continued to work with the EPA and other states and organizations to address and mitigate the impact of upwind emissions on Delaware’s ozone air quality problems.
 - The Ozone Transport Commission (OTC) submitted (Jun 2020) a recommendation under section 184(c) of the Clean Air Act (CAA). OTC recommended that EPA require Pennsylvania to adopt daily limits on emissions of nitrogen oxides from coal-fired power plants with existing SCRs or SNCRs that are at least as stringent as limits in place for plants in Delaware, Maryland, or New Jersey to ensure that controls are optimized throughout the ozone season in order to help downwind states attain the ozone standard by the dates required in the CAA.
 - Submitted comments to EPA’s notice regarding the 184(c) petition submitted by the OTC to require daily limits of nitrogen oxide (NOx) emissions on certain electric generating units (EGUs) in Pennsylvania (86 FR 4049, January 15, 2021).
 - As a result of the court’s decision in 2019 to remand the original Cross State Air Pollution Rule (CSAPR) update on October 30, 2020, the EPA finalized the revision to the CSAPR Update rule on April 30, 2021 to address the remaining interstate pollution-transport obligations under the Clean Air Act (CAA) for the 2008 ozone National Ambient Air Quality Standards (NAAQS). The Midwest Ozone Group filed a challenge the revised CSAPR Update rule.

2022 Title V Emission Inventory Activities

The Emission Inventory Group is part of the Planning Section of the Division of Air Quality. The Emission Inventory Group is charged with preparing all necessary inventories of emissions from all sources of air pollution in the State, including stationary sources, area sources, and mobile sources. The information gathered by the Emission Inventory Group is used in many of the planning activities described above. The information collected includes annual emissions of criteria air pollutants, air toxics, and greenhouse gases.

The Emission Inventory Group accomplished the following Title V related activities in calendar year 2022:

- Performed a technical review of a subset of the 2020 point source emissions inventory that EPA identified as requiring further review;
- Participated in EPA’s technical review of 2020 point source hazardous air pollutant emissions data, which contributed to the compilation of the 2020 National Emissions Inventory and the 2020 AirToxScreen;
- Contacted all permitted facilities required to report a 2021 emissions inventory by April 30, 2022;
- Managed the on-line emissions reporting application and provided guidance to facility representatives during the reporting process;
- Facilitated the collection of 2021 point source emissions inventory reports from 50 Title V facilities and 1 new Synthetic Minor facility;

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- Performed a technical review of the emissions data submitted by facilities for completeness and accuracy; and
- Submitted 2021 point source emissions inventory data to EPA's Emissions Inventory System.

2022 TV Ambient Air Monitoring Activities

The DAQ Ambient Monitoring Section is responsible for collecting ambient air data throughout the State of Delaware. This data is in support of DAQ's commitment to Delaware to provide a healthy environment for every person independent of their economic or social status. The Ambient Monitoring Team is dedicated to analyzing the ambient air criteria pollutants as specified in EPA's National Ambient Air Quality Standard (NAAQS), measure fine particle pollutants (PM_{2.5} & PM₁₀) and select air toxic pollutant measurements reliably and with the highest possible quality. Special Studies are also developed when monitoring indicates there may be issues of concern.

The projects listed below are several of the initiatives to enhance DAQ's monitoring network and improve data quality in 2022:

- Replaced two aging ambient monitoring shelters to address risks to site operators and instruments.
- Deployed 4 new continuous PM_{2.5} monitors around Delaware to continue to improve particle pollutant monitoring data quality and data capture.
- Installed standalone shelter at one monitoring network station which allows continuous particle pollutants monitoring for PM_{2.5}.
- Continued to develop the State's Photochemical Assessment Monitoring System (PAMS) to ensure participation in the 2022 PAMS season by installing enhanced meteorological measurement equipment.
- Deployed new ozone calibrator at the State's NCore site to modernize existing equipment.
- Upgraded two zero air generators to ensure precision and accuracy of criteria pollutant analyzer calibrations.
- Continued network improvements regarding Windows PC's and the network's data acquisition system.
- The Monitoring Section faced large staff turnover in 2022 which presented many challenges. The DAQ staff kept the network operating through adaptation and collaboration. The section also dealt with a large office renovation which resulted in temporarily downsizing to a smaller space until the renovation was completed.

2022 Title V Small Business Ombudsman Program Activities

The Small Business Assistance Program (SBAP) within DNREC is a free service available to all new and existing small businesses located in the State of Delaware. The SBAP can help small businesses understand their environmental requirements and help them comply in the easiest and most effective way. The SBAP is a non-regulatory program. The Small Business Ombudsman (SBO) is part of the SBAP which was created through the Clean Air Act Amendments of 1990. The SBAP is comprised of one staff member, the Small Business Ombudsman, who manages the SBAP.

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The SBAP provides the following services:

- Serves as initial contact within DNREC for small businesses.
- Provides specific information for small businesses detailing how to comply with environmental regulations specific to their industry.
- Helps small businesses fill out permit applications, forms and other required paperwork.
- Keeps abreast of developing regulations and current issues impacting small businesses and shares that information with small businesses through workshops, newsletters, trade association meetings, mailings, websites, or other methods.
- Provides feedback to DAQ from small businesses.
- Helps resolve permitting and compliance disputes and cuts red tape; and
- Coordinates the Regulatory Advisory Service (RAS).

The SBO serves on the following committees:

- Title V Fee Committee;
- Title V Training Subcommittee;
- DAQ's Envirothon Project Team; and
- Delaware Envirothon planning committee.

The SBO also serves as the Department's Registrar of Regulations and is responsible for coordinating with the state Office of the Registrar of Regulations.

In Calendar Year 2022 the SBO conducted the following activities.

- Assisted six businesses through the RAS and held virtual meetings to discuss permitting and regulatory requirements for those businesses.
- Aside from the RAS, provided permit and compliance assistance to 48 entities.
- Communicated with representatives of local chambers of commerce, trade associations, the Delaware Prosperity Partnership, and the Delaware Division of Small Business.
- Served on the Title V Committee's Training Subcommittee that worked to develop air permitting training for the general public. The three-hour virtual training session was held on Tuesday, September 20. Responsible for communications and outreach, scheduling and hosting the virtual training via MS Teams, registration, and preparing and providing certificates for attendees and presenters.
- As the Department's Registrar, worked with DAQ staff to ensure the Regulatory Development Process steps were being followed. Specific to the DAQ, one Start Action Notice initiating the process was approved, and a total of eight items were submitted to the State Registrar's office for publication in the Monthly Register of Regulations: 3 proposals, 3 finals, and 2 general notices.
- Participated in a variety of outreach events.
 - Continued participating in the *County is Open for Business* events held throughout the year in New Castle and Kent counties. Attended eight in-person events and one virtual event. Through these events 49 contacts were made with business entrepreneurs interested in learning about DNREC and potential permit/regulation requirements.

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- Delaware Envirothon - sponsored by the Delaware Association of Conservation Districts (competition went back to its normal in-person format with 10 teams competing)
- Served as co-chair of the Division of Air Quality's Envirothon project team and as such had shared responsibility for soliciting team members, coordinating planning meetings; preparing meeting notes and updating the online project folder; coordinating the team's efforts in updating the annual training guide; facilitating the recording and posting of the air quality training; and coordinating the development/updating of competition test questions.
 - The 2022 air quality topic was Air Pollution Basics.

2022 Other Special Accomplishments and Projects

The Division of Air Quality continued to conduct business and meet our responsibilities while responding to the challenges presented by the COVID-19 pandemic. Staff in the Dover office at State Street Commons (SSC) transitioned back after COVID restrictions were lifted. However, occupation of the State Street Commons building was suspended in October 2022 due to ongoing structural issues. Staff relocated to The Richardson and Robbins Building (R&R), Grantham Lane or are teleworking. Repairs are continuing at the SSC building.

Asbestos abatement at the Grantham Lane facility continued through mid-2022. This facility-wide effort was led by our Operations Support Group (OSG). A mold investigation/duct cleaning project was also completed in 2022 after the abatement activities were completed. Our sister division, Waste and Hazardous Substances graciously hosted our Air Monitoring Group at their Lukens Drive facility during the project. Laboratory staff repopulated the Grantham Lane facility in May 2022. The remaining staff repopulated the building in August/September 2022.

While the Air Quality Team met the challenges of the pandemic, the Division also participated in many special projects. These special projects may or may not be Title V related. However, the results of these projects often impact Title V activities. In calendar year 2022, the Division of Air Quality participated in a variety of special activities detailed below.

Management and administrative activities including:

- Itemized statements of hours were developed in 2021. Each facility received their hours in their Title V bill in 2022.
- Title V fee negotiations began in late 2022. This included one fee negotiation meeting with stakeholders, with additional meetings scheduled in 2023.
- Although initially planned as part of a joint bill to address both the 2021- 2023 Title V fees as well as a Natural Minor (Reg. 1102) permit fee increase initiative, the Natural Minor fee increase was postponed in April 2020. The DAQ has continued to conduct outreach to communicate our plans and to work with members of the General Assembly to explain the importance of establishing a sustainable Natural Minor Fee program.

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In alignment with our succession planning activities, the leadership team continued to consider how to structure the Division to build a sustainable workforce.

- Many staff are new hires. This is both a challenge and an opportunity. The DAQ is using our regional resources at the Mid-Atlantic Regional Air Management Association (MARAMA) and OTC to ensure that our staff is receiving the training they need to efficiently respond to the needs of the program.
- DAQ secured a third EPA Multi-Purpose Grant to be used to support outreach focused primarily in the Route 9 community. More information is provided in the outreach activities.
- DNREC has taken steps to enhance the staff engagement and improve community interaction regarding environmental justice issues. Environmental Justice is a part of all the work we do at DNREC. It is necessary to bring that work to the forefront and ensure equitable opportunities exist for all Delawareans. Staff have participated in several environmental justice training seminars.

Participation in Outreach Activities included:

- The Engineering & Compliance Section conducted a training event for the regulated community in September 2022. This event focused on how a permit is written using the information provided in the application and how facilities should prepare for inspections. A video of the training and the materials are available at the following link: <https://dnrec.alpha.delaware.gov/air/permitting/training/>
- The DAQ worked with the Delaware Envirothon Committee supporting high school level environmental education. Since 2012, Air Quality has been included as a key topic/study area for the Delaware Envirothon competitions. The DAQ is a Gold Sponsor for the Envirothon program supporting the Delaware and International Envirothon competitions.
- Since the 2021 Envirothon competition was conducted remotely due to the Covid-19 pandemic, the DAQ Envirothon Team decided to use the topic of Air Pollution Basics as the topic for the 2022 event.
- Educational programs and public outreach events addressing school-related anti-idling requirements.
- Educational information and public outreach efforts related to open-burning restrictions;
- DAQ's Martin Luther King (MLK) air monitoring station was the site of an Air Quality Awareness Week tour on May 4, 2022. Speakers included Cabinet Secretary Garvin.
- A Multimedia campaign to address awareness of the Air Quality Index (AQI)
- The Eden Park study (finalized in 2021) generated community interest and as a result, DAQ continued to conduct outreach in the community to better understand their concerns. This outreach is ongoing currently.
- The DAQ Director spoke on Delaware Air Quality at the Community Engagement, Environmental Justice and Health Symposium, on Environmental Justice. This was a virtual conference hosted by the University of Maryland.

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- The DAQ Director has been an active participant in the Community Air Monitoring Network (CAMN). This group is designing and funding projects to educate and empower communities to collect and interact with air monitoring data.

Department Electronic Content Management (ECM) Activities

The Department is currently undertaking several projects that comprise its overall ECM Initiative. These include an electronic document management system, called DNREctory, and e-Permitting. The DAQ was the first and only division to “go-live” with DNREctory (the system that manages scanned documents) in 2019. The DAQ has continued to participate in efforts to rollout DNREctory to all divisions in the Department. In 2022, DAQ staff focused on resolving system issues from the switch-over. This included manually uploading several hundred documents that did not convert from the original version.

The DAQ continues to work with our partners in the Department of Technology and Information (DTI) and a consultant on the development of the e-Permitting project. Work is ongoing currently for area sources and Regulation 1102 permitting. Future phases of the project will include Title V and Synthetic Minor facilities. The current project schedule anticipates deployment in 2023 for area sources and Regulation 1102. The DAQ is looking forward to working with our customers as we progress towards implementation.

Operations Support Group

Operations Support Group (OSG) reports directly to the Director but provides support to the entire Division. OSG continued to face the challenge of COVID-19 pandemic requirements during 2022 head-on.

OSG accomplishments during 2022 include:

- Continued office utilization as appropriate as conditions changed throughout 2022. This includes COVID restrictions, as well as facility repairs for both Grantham Lane and SSC facilities.
- OSG facilitated routing of telephone calls, faxes, and mail as appropriate to SSC, Grantham Lane, R&R, or Lukens Drive offices.
- OSG continued working with the DTI to ensure that DAQ employees had the appropriate technology to access the intranet by providing laptops as needed to facilitate teleworking. New employees were provided with a DNREC laptop as they came on board and as needed.
- OSG maintained posted COVID-19 signage at the SSC and Grantham Lane offices reminding visitors and employees to utilize social distancing in office, bathrooms, and kitchen spaces.
- OSG continued to provide DAQ personnel with COVID-19 protective equipment including gloves, masks, touchscreen pens, hand sanitizer and sanitizing wipes. Supplies were re-stocked as necessary.

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- OSG continued to maintain hand-free sanitizer stations and portable hepa air purifiers at the SSC and Grantham Lane facilities.
- OSG coordinated weekly cleaning services at the SSC and Grantham Lane offices to maintain a safe environment for employees and the public.
- OSG is responsible for the general oversight of maintenance at SSC and Grantham Lane facilities. The SSC facility is a leased facility, therefore all maintenance and repairs are conducted by and coordinated with the owner of that building.
- The Grantham Lane facility is a state-owned property. Therefore, that facility's maintenance and repairs are coordinated with and conducted by the State of Delaware's Division of Facilities Management (DFM) personnel. It is OSG's responsibility to contact DFM when repairs at the Grantham Lane property are needed.
- The Grantham Lane facility began asbestos abatement the week of September 27, 2021. This project was completed in May 2022. OSG continued coordination the following activities pursuant to the abatement and renovation of the building:
 - Continued coordination with a moving company to provide moving and storage services, including moving furniture back into the Grantham Lane facility from storage and the Lukens Drive location,
 - Obtaining moving boxes, bubble wrap and strapping tape for employees to pack their non-essential office equipment,
 - Coordination with DTI regarding relocation of mainframe and phone services to ensure continued service,
 - Relocation of laboratory and select staff from DNREC's Lukens Drive office back to the Grantham Lane location,
 - Unpacking and reorganization of office files and office supplies;
 - Overseeing the delivery and installation of new office furniture and window treatments; and
 - Relocation of conference room furniture, televisions, janitorial supplies, select file cabinets, fleet keys, copier and mailboxes from East Wing area back to the abated areas of the Grantham Lane location.

Conclusion

Section 502(b)(3) of the Clean Air Act requires that the permitting authority has an adequate, dedicated, and permanent funding stream to develop, implement, and enforce the Title V program. All of the activities that are supported by Title V funds are consistent with EPA guidance for Title V programs. The air monitoring, state implementation planning, regulatory development and facility permitting, compliance and enforcement work for major and synthetic minor facilities supported by Title V funds are essential to the continued maintenance and improvement of Delaware's Air Quality.

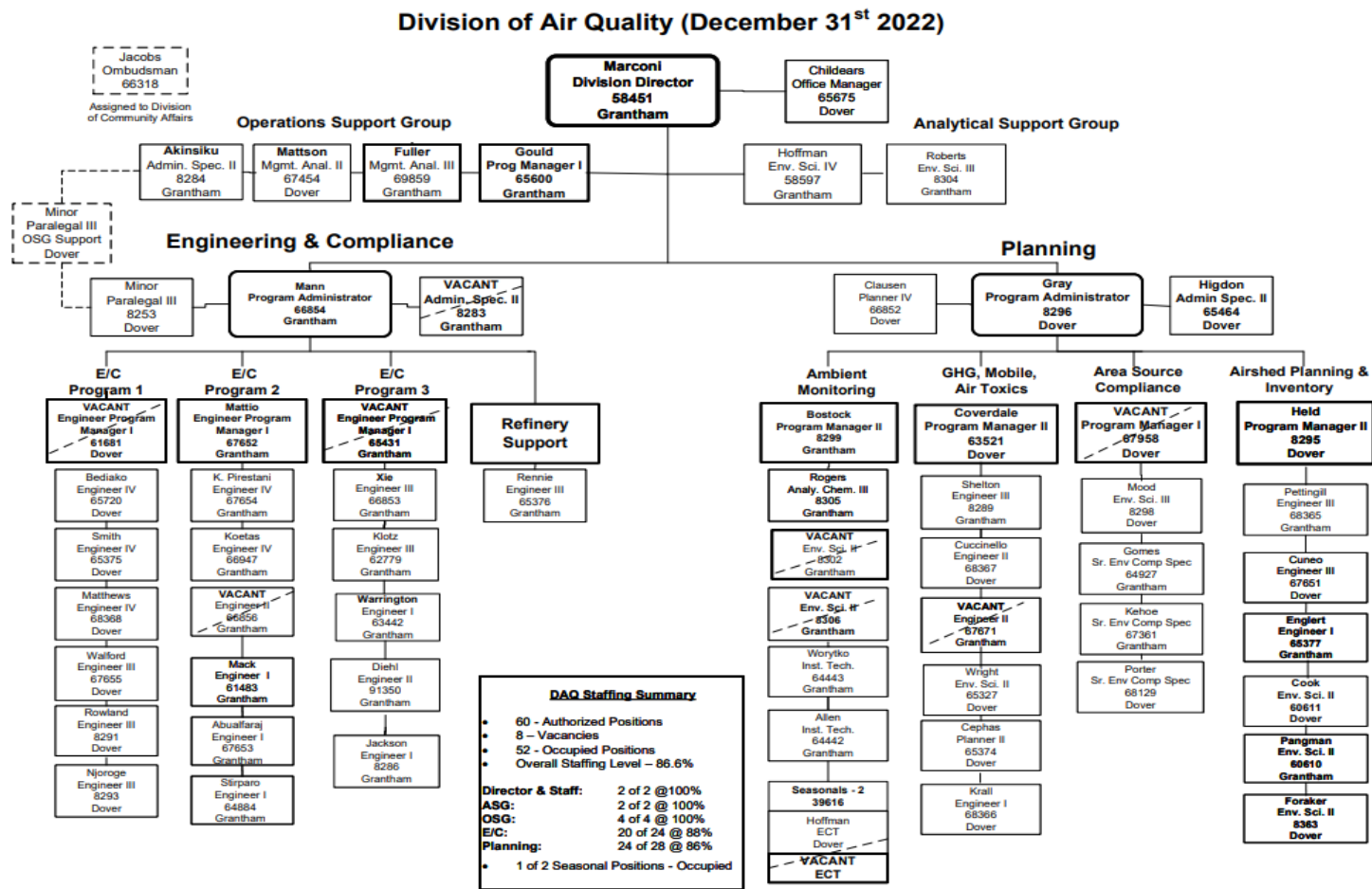
Appendix A: 2022 Title V Monthly Expense and Revenue

Table 11: 2022 Title V Account Expenses & Revenue								
MONTH	EXPENSES						INTEREST	REVENUE
	Salary	Energy	Travel	Contractual	Supplies	Capital Outlay		
January	\$186,978.15	\$0.00	\$0.00	\$580,352.09	\$1,246.64	\$0.00	\$0.00	\$0.00
February	\$168,875.47	\$0.00	\$0.00	\$10,630.46	\$11,972.67	\$0.00	\$0.00	\$292,410.85
March	\$162,135.17	\$0.00	\$137.19	\$10,641.58	\$20,036.03	\$0.00	\$0.00	\$1,816,641.00
April	\$204,415.45	\$0.00	\$0.00	\$20,366.92	\$965.61	\$0.00	\$0.00	\$1,254,410.00
May	\$137,340.78	\$0.00	-\$137.19	\$14,955.36	\$7,131.64	\$0.00	\$0.00	\$147,165.00
June	\$167,967.44	\$0.00	\$0.00	-\$1,529.92	\$1,085.94	\$0.00	\$0.00	\$71,090.00
July	\$198,576.39	\$0.00	\$132.97	\$10,431.66	\$642.94	\$0.00	\$0.00	\$25,420.00
August	\$163,267.46	\$0.00	\$63.03	\$19,005.23	\$5,995.82	\$0.00	\$0.00	\$117,417.86
September	\$185,604.64	\$0.00	\$0.00	\$16,251.50	\$712.37	\$0.00	\$0.00	\$0.00
October	\$160,122.80	\$0.00	\$1,716.82	\$3,260.41	\$399.60	\$33,644.00	\$0.00	\$0.00
November	\$226,589.04	\$0.00	-\$1,912.82	\$7,280.61	\$0.00	\$6,152.58	\$0.00	\$0.00
December	\$229,158.94	\$0.00	\$0.00	\$2,302.84	\$2,129.03	\$0.00	\$0.00	\$0.00
2022 Totals	\$2,191,031.73	\$0.00	\$0.00	\$693,948.74	\$52,318.29	\$39,796.58	\$0.00	\$3,724,554.71
2022 Total Expenses	\$2,977,095.34							

Note: Special fund interest rate (SSF) is 0.00%. The SSF rate is set by the Cash Management Policy Board. The current rate methodology is set by calculating the 12-month rolling average return on the State’s short duration liquidity portfolio. However, if the liquidity portfolio return exceeds the State’s total portfolio return in any given month, the rate has a cap reflecting the 12-month rolling average return on the State’s total fixed income portfolio. Additionally, the interest rate has a floor of 0.00% which is applied in any month in which the special fund rate would otherwise be negative, as was the case in 2022. This floor prevents SSF’s from losing money in times when the State’s total portfolio is otherwise generating negative returns.

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Appendix B: DAO Organizational Chart (December 31, 2022):



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Appendix C: Facility Hours and Emissions History (Page 1 of 6): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2022. Expanded reporting details for CY 2022 are available upon request

Facility ID #	Company Name	Class	2022 Hours	2021 Hours	2020 Hours	2019 Hours	2018 Hours	Total CY 2018-2022	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total	
1000300049	1007 Market St. Condominium Association	TV	69.00	15.50	47.50	50.00	214.00	396.00	5.698	0.030	0.034	0.313	6.07	
1000300463	Advanced Pavement Group, LLC.	SM	1.75	36.00	137.50	29.50	12.50	217.25	2.770	0.366	0.133	0.121	3.39	
1000300073	Aeero Technologies LLC	TV	304.00	211.50	131.00	27.50	110.75	784.75	0.368	0.004	0.002	4.579	4.95	
1000300131	Alfred I DuPont Hospital For Children	TV	12.50	319.50	78.00	9.50	44.25	463.75	17.808	0.428	0.373	0.902	19.51	
1000300933	Allan Myers DE, Inc. Wilmington	SM	291.00	57.75	18.75	51.00	203.00	621.50	2.059	1.878	0.271	1.214	5.42	
1000100006	Allan Myers, Delaware, Inc - Dover	SM	3.50	2.50	38.00	23.75	119.25	187.00	2.072	2.009	0.294	2.590	6.97	
1000500130	Allan Myers, Delaware, Inc - Georgetown	SM	9.00	7.50	313.25	118.25	15.75	463.75	1.488	1.339	0.195	1.831	4.85	
1000300924	Amazon.Com	SM	17.50	3.00	11.00	62.50	2.50	96.50	0.000	1.090	0.000	0.000	1.09	
1000100247	Ameresco Delaware Energy - Sandtown	TV	84.50	139.25	250.00	238.25	231.75	943.75	31.240	10.890	4.670	69.170	115.97	
1000500258	Ameresco Delaware Energy - Southern	TV	202.00	238.00	518.25	476.50	251.25	1686.00	28.540	8.420	24.720	52.840	114.52	
1000300785	American Air Liquide-Glasgow	SM	26.50	52.00	54.00	40.00	88.50	261.00	0.442	0.003	0.003	0.617	1.07	
1000300023	Amtrak Wilmington Maintenance Facility	TV	13.75	91.50	154.75	99.25	10.75	370.00	0.000	0.005	0.000	1.394	1.40	
1000300017	Ashland Specialty Ingredients G. P.	SM	18.00	3.00	5.00	129.00	366.25	521.25	1.893	0.081	0.061	0.898	2.93	
1000300107	AstraZeneca Pharmaceuticals, LLC-Newark	SM	6.00	47.00	61.00	9.00	100.50	223.50	5.677	0.059	0.061	0.351	6.15	
1000300599	Bank of America-Christiana Center.	SM	7.00	116.25	1.25	0.75	2.25	127.50	0.300	0.005	0.000	0.009	0.32	
1000300277	Bank of America - Bracebridge Corporation - Deerfield	SM	7.50	53.75	4.25	54.25	98.75	218.50	1.154	0.023	0.007	0.042	1.23	
1000300003	BASF Color & Effects USA LLC - Newport	TV	260.75	97.25	415.50	795.00	454.00	2022.50	17.356	1.265	0.248	22.154	41.02	
1000100026	Bayhealth Medical Center-Kent General Hospital	SM	50.50	52.00	55.00	26.00	18.00	201.50	4.763	0.108	0.110	3.438	8.42	
1000300291	Buckeye Terminals - Wilmington Site	TV	266.25	46.00	173.00	66.50	345.75	897.50	4.136	0.451	0.041	47.640	52.27	
1000300317	Calpine Mid-Atlantic Generation-Christiana Energy Ctr.	TV	103.25	40.75	69.00	151.00	133.50	497.50	0.831	0.146	0.084	0.001	1.06	
1000300005	Calpine Mid-Atlantic Generation-Del City Energy Ctr.	TV	38.50	37.50	65.50	112.50	65.50	319.50	0.550	0.073	0.027	0.000	0.65	
1000300007	Calpine Mid-Atlantic Generation-Edge Moor	TV	328.00	149.25	170.00	225.25	421.50	1294.00	96.927	3.743	46.117	8.220	155.01	
1000300388	Calpine Mid-Atlantic Generation-Hay Road	TV	48.25	209.00	132.00	400.50	289.00	1078.75	498.000	72.389	8.900	29.709	609.00	
1000300006	Calpine Mid-Atlantic Generation-West Energy Center	TV	50.75	38.50	85.75	108.00	86.50	369.50	0.480	0.075	0.098	0.001	0.65	
Totals			Reflected Billing Hours						Reflects Permitted Emission Values					

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Appendix C: Facility Hours and Emissions History (Page 2 of 6): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2022. Expanded reporting details for CY 2022 are available upon request.

Facility ID #	Company Name	Class	2022 Hours	2021 Hours	2020 Hours	2019 Hours	2018 Hours	Total CY 2018-2022	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total	
1000300600	CCI-Bracebridge I, LP	SM	49.25	222.50	118.50	50.00	1.25	441.50	2.005	0.023	0.006	0.085	2.12	
1000300080	Christiana Care Health Services - Christiana Hospital	TV	199.50	665.00	232.00	193.50	126.25	1416.25	15.187	0.104	0.126	4.235	19.65	
1000300024	Christiana Care Health Services - Wilmington Hospital	SM	108.25	46.25	69.00	172.25	0.00	395.75	6.560	0.073	0.075	0.711	7.42	
1000300068	Christiana Materials, LLC	SM	259.50	2.50	22.00	35.00	135.00	454.00	3.636	5.061	0.557	1.692	10.94	
1000100263	Christiana Materials - Farmington	SM	0.00	0.00	0.00	40.00	35.00	75.00	4.68	5.00	1.29	4.80	15.77	
1000100076	City Of Dover-Van Sant Generating Sta	TV	161.25	235.50	248.75	175.75	177.25	998.50	3.415	0.010	0.015	0.063	3.50	
1000300867	Clarios	TV	131.75	44.00	170.50	0.00	0.00	346.25	0.000	0.000	0.000	0.000	0.00	
1000300290	Clean Earth Of New Castle Inc	TV	76.00	300.50	177.50	33.25	89.75	677.00	5.938	0.116	9.326	0.961	16.34	
1000100219	Coastal Coatings Inc - Dover	SM	5.00	4.00	0.00	0.00	0.00	9.00	0.000	0.000	0.000	3.590	3.59	
1077700162	Coker Concrete Roving Crusher	SM	1.75	9.75	51.50	10.50	2.00	75.50	0.347	0.063	0.059	0.048	0.52	
1000300066	Contractors Materials LLC - Heald Street	SM	35.00	217.50	53.00	37.75	0.00	343.25	2.119	2.935	0.261	2.634	7.95	
1077700800	Corrado Construction Co LLC	SM	0.00	9.00	0.50	0.00	28.50	38.00	0.000	0.000	0.000	0.000	0.00	
1000300058	Croda, Inc	TV	1105.00	1625.75	1150.00	806.75	654.50	5342.00	17.818	1.380	0.696	9.073	28.97	
1000300351	Dana Railcare	SM	3.50	0.50	29.00	39.00	42.25	114.25	0.143	0.019	0.014	0.205	0.38	
1000300963	Datwyler Pharma Packaging, USA Inc.	SM	407.00	333.25	0.00	0.00	0.00	740.25	0.702	0.115	0.004	0.649	1.47	
1000300016	Delaware City Refining Co-Delaware City	TV	2532.5	3054.25	3521.75	3220.50	3794.25	16123.25	1455.601	395.299	370.080	341.105	2562.08	
1000300404	Delaware City Refining Co-Marketing Terminal	TV	37.25	114.25	43.25	29.00	84.00	307.75	0.119	0.013	0.001	22.698	22.83	
1000100005	Delaware Hospital For The Chronically II	SM	0.00	3.00	11.75	168.00	38.25	221.00	2.139	0.038	0.037	0.117	2.33	
1000300827	Delaware Park Horse Racing Track	SM	54.50	1.00	0.00	72.00	0.00	127.50	0.216	0.034	0.098	0.079	0.43	
1000300415	Delaware Recyclable Products, Inc	SM	365.25	556.25	224.50	224.25	240.75	1611.00	4.840	9.224	25.406	4.000	43.47	
1000300111	Delaware Solid Waste Authority, Cherry Island	TV	284.50	163.75	212.50	120.00	141.50	922.25	13.316	3.665	12.660	4.457	34.10	
1000100068	Delaware Solid Waste Authority, Sandtown	TV	128.00	93.50	49.50	109.75	170.50	551.25	1.060	0.306	0.604	9.424	11.39	
1000500099	Delaware Solid Waste Authority, Southern	TV	245.00	180.00	196.00	492.00	616.50	1729.50	0.593	0.021	0.456	7.812	8.88	
1000100066	Delaware State University	TV	119.25	176.00	93.50	44.00	177.25	610.00	4.130	0.094	0.374	0.212	4.81	
Totals			Reflected Billing Hours						Reflects Permitted Emission Values					

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Appendix C: Facility Hours and Emissions History (Page 3 of 6): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2022. Expanded reporting details for CY 2022 are available upon request.

Facility ID #	Company Name	Class	2022 Hours	2021 Hours	2020 Hours	2019 Hours	2018 Hours	Total CY 2018-2022	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total	
1000300077	Dept Of Veterans Affairs Medical Center	TV	9.75	101.00	194.00	131.25	70.00	506.00	2.166	0.019	0.029	0.161	2.38	
1000300069	Diamond Materials, LLC	SM	101.00	100.50	103.00	202.50	50.50	557.50	2.102	6.043	0.568	1.497	10.21	
1000300001	DHSS - Herman Holloway Campus	SM	0.00	27.00	97.50	102.50	0.00	227.00	2.24	0.17	0.01	0.12	2.54	
1077700233	Diamond Materials LLC - Roving Crusher	SM	0.00	0.00	1.00	13.00	34.50	48.50	0.72	0.16	0.22	0.04	1.14	
1000100001	Dover Air Force Base	TV	292.00	277.50	103.25	271.00	85.50	1029.25	15.593	0.534	0.423	13.673	30.22	
1000100118	Dover Downs Gaming & Entertainment, Inc	SM	42.25	9.50	73.00	218.50	124.00	467.25	0.204	0.014	0.013	0.011	0.24	
1000300011	DuPont Experimental Station	TV	310.75	314.25	298.50	523.25	305.25	1752.00	54.961	0.321	0.366	9.131	64.78	
1000300051	IFF - DuPont Nutrition USA, Inc.	TV	737.75	441.00	1087.50	337.00	192.50	2795.75	21.426	12.674	0.180	2.549	36.83	
1000300126	DuPont Specialty Products USA, LLC	TV	286.75	41.75	115.75	204.50	277.75	926.50	9.060	0.066	0.076	0.796	10.00	
1000300506	DXC Technology Services, LLC	SM	15.25	2.00	0.00	5.75	27.00	50.00	0.621	0.044	0.041	0.033	0.74	
1000300462	Eastern Shore Natural Gas-Delaware City	SM	75.50	241.75	67.00	71.50	141.00	596.75	6.288	0.171	0.009	3.320	9.79	
1000100127	Energy Center Dover, LLC	TV	167.75	134.00	259.50	442.00	307.25	1310.50	9.893	1.768	0.241	1.594	13.50	
1000300279	FMC Corporation Stine-Haskell Research Ctr.	TV	127.00	176.75	217.50	108.50	102.00	731.75	8.832	0.056	0.064	2.529	11.48	
1000100245	Garrison Energy Center	TV	97.00	118.00	323.50	279.75	451.00	1269.25	43.870	31.170	3.700	1.585	80.33	
1000300498	GE Energy - Newark, DE	SM	34.00	179.25	31.00	20.50	98.50	363.25	0.055	0.045	0.000	3.131	3.23	
1000300622	GT USA Wilmington, LLC - Cranes	TV	377.50	549.00	285.75	0.00	0.00	1212.25	85.26	9.40	0.42	24.08	119.16	
1000100099	HandyTube Corporation	TV	27.75	44.75	61.25	164.00	29.50	327.25	0.464	0.002	0.003	1.469	1.94	
1000100024	Hanover Foods Corporation	SM	14.00	28.50	97.50	82.00	297.50	519.50	3.131	0.020	0.019	0.170	3.34	
1000300934	Holland Mulch, Inc	SM	56.50	44.25	0.00	26.00	5.25	132.00	9.84	1.40	0.008	0.00	11.25	
1000300508	Howard R Young Correctional Institution	SM	0.00	8.00	4.00	80.50	0.00	92.50	1.329	0.037	0.036	0.072	1.47	
1000100011	ILC Dover, LP - Frederica	SM	7.00	52.50	136.00	11.50	21.50	228.50	0.000	0.000	0.000	3.907	3.91	
1000500001	Indian River Power LLC	TV	191.75	207.50	516.00	502.00	344.25	1761.50	163.110	60.698	474.581	6.480	704.87	
1000300090	James T Vaughn Correctional Center - Smyrna	SM	12.00	2.00	107.00	171.25	19.00	311.25	5.146	0.081	0.080	1.047	6.35	
1000300686	JP Morgan Chase - 4001 Governor Printz Blvd	SM	38.00	8.50	2.50	2.00	30.50	81.50	5.840	0.300	0.110	1.490	7.74	
Totals			Reflected Billing Hours						Reflects Permitted Emission Values					

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Appendix C: Facility Hours and Emissions History (Page 4 of 6): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2022. Expanded reporting details for CY 2022 are available upon request.

Facility ID #	Company Name	Class	2022 Hours	2021 Hours	2020 Hours	2019 Hours	2018 Hours	Total CY 2018-2022	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total	
1000300687	JP Morgan Chase - Bear Christiana Road	SM	266.25	139.50	17.50	18.00	0.00	441.25	6.800	0.260	0.081	0.900	8.04	
1000300804	JP Morgan Chase - Morgan Christiana Center	SM	42.50	22.50	7.50	0.00	0.00	72.50	6.480	0.100	0.190	0.130	6.90	
1000500066	Justin Tanks, LLC	TV	41.00	155.50	111.00	149.50	163.25	620.25	0.119	0.011	0.001	4.491	4.62	
1000100007	Kraft Heinz Foods Inc	SM	32.00	102.50	0.00	0.00	0.00	134.50	1.525	1.445	0.022	1.103	4.10	
1000300115	Kuehne Chemical Company	TV	130.00	205.25	133.50	184.50	4.00	657.25	1.541	0.003	0.005	0.031	1.58	
1000300782	Liveo Research Inc	SM	126.00	62.00	261.25	145.25	26.00	620.50	1.818	1.124	0.011	1.819	4.77	
1000300847	MAGCO Inc	SM	28.25	127.75	73.00	4.75	15.50	249.25	1.722	4.024	0.006	0.093	5.85	
1000300803	McConnell Johnson - 1201 North Market	SM	0.00	5.00	29.50	4.00	0.00	38.50	0.438	0.010	0.029	0.023	0.50	
1000300383	Medal L P, Air Liquide	SM	183.75	21.00	220.00	339.25	250.00	1014.00	2.807	0.016	0.033	16.062	18.92	
1000100081	Metal Masters Foodservice Equipment Co.	SM	27.50	54.50	55.25	34.00	0.00	171.25	0.006	0.050	0.140	0.000	0.20	
1000300516	Micropore, Inc	SM	1.00	5.00	56.00	43.75	2.00	107.75	0.000	0.000	0.000	3.940	3.94	
1000300646	Middletown Materials, LLC	SM	6.50	19.00	54.25	122.25	3.00	205.00	5.184	0.365	0.341	0.276	6.17	
1000300142	News Journal Company	SM	3.00	11.50	0.00	0.00	20.50	35.00	0.000	0.000	0.000	1.060	1.06	
1000300324	Noramco Inc	TV	406.75	176.75	286.75	323.75	353.50	1547.50	1.483	0.015	0.018	0.701	2.22	
1000300899	OMI, Inc / City of Wilmington (REBF)	TV	126.5	85.50	173.00	226.00	305.75	916.75	2.371	0.035	4.266	3.588	10.26	
1000500011	Orient Corporation Of America	SM	60.25	143.25	11.00	191.00	7.50	413.00	3.924	0.011	0.013	0.124	4.07	
1000500093	OSG Ship Management, Inc	TV	17.00	67.00	95.50	7.00	120.00	306.50	0.112	0.000	0.003	36.691	36.81	
1000500133	Pats Aircraft LLC	SM	91.00	4.00	4.00	5.00	190.00	294.00	0.038	0.001	0.002	0.646	0.69	
1000100075	Perdue Foods LLC- Milford	SM	164.75	134.75	25.50	3.00	2.50	330.50	5.600	0.033	0.113	0.306	6.05	
1000500003	Perdue Grain & Oilseed LLC - Bridgeville	SM	94.00	19.50	28.75	127.50	94.00	363.75	5.430	36.298	0.035	0.299	42.06	
1000300166	Polymer Technologies, Inc.	SM	0.00	1.00	0.00	75.25	32.00	108.25	0.439	0.010	0.003	1.314	1.76	
1000300509	Port Contractors	SM	37.00	2.50	0.00	40.50	63.00	143.00	0.000	0.006	0.000	0.000	0.01	
1000300986	Port of Wilmington- Fumigation (New mid 2021)	TV	306.50	750.75	0.00	0.00	0.00	1057.25						
1000300288	Prince Minerals, Inc	SM	35.50	159.00	0.00	84.00	77.50	356.00	0.356	0.461	0.032	0.029	0.88	
Totals			Reflected Billing Hours						Reflects Permitted Emission Values					

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Appendix C: Facility Hours and Emissions History (Page 5 of 6): As the program transitions to 2021-2023 fee cycle, we provide the most current applicable hours and emissions data for each facility billed in 2022. Expanded reporting details for CY 2022 are available upon request.

Facility ID #	Company Name	Class	2022 Hours	2021 Hours	2020 Hours	2019 Hours	2018 Hours	Total CY 2018-2022	2017 NO _x (TPY)	2017 PM ₁₀ (TPY)	2017 SO ₂ (TPY)	2017 VOC (TPY)	2017 Total	
1000300093	Printpack, Inc	TV	25.75	92.00	132.00	72.75	94.00	416.50	2.365	0.012	0.014	8.531	10.92	
1000100004	Procter & Gamble Dover Wipes Company	SM	28.50	123.50	10.00	0.00	0.00	162.00	0.022	0.002	0.001	0.001	0.03	
1000300906	PS-5 LLC (Community Education Building)	SM	6.50	46.75	0.50	3.50	1.25	58.50	12.692	0.068	0.078	0.701	13.54	
1077700904	R & M Recycling	SM	0.00	3.00	0.00	0.00	10.50	13.50	0.515	0.149	0.001	0.027	0.69	
1000500081	River II LLC	SM	24.75	41.50	10.50	25.00	0.00	101.75	0.432	0.009	0.011	0.099	0.55	
1000300059	Rogers Corporation	SM	24.00	204.50	43.50	134.00	101.00	507.00	1.960	3.517	0.012	4.291	9.78	
1000300033	Rohm & Haas Electronic Materials, Cmp, Inc	TV	452.50	250.50	387.50	70.25	188.00	1348.75	3.353	0.080	0.063	6.213	9.71	
1000300125	Siemens Healthcare Diagnostics - Glasgow	SM	3.00	5.00	5.00	132.50	143.00	288.50	8.465	0.129	0.128	0.460	9.18	
1000500021	SPI Pharma, Inc	SM	43.50	73.50	67.50	36.50	34.00	255.00	2.804	0.090	0.022	0.151	3.07	
1000300133	St Francis Hospital	SM	2.00	20.00	0.00	31.50	0.00	53.50	3.195	0.018	0.025	0.176	3.41	
1000300930	Stratus Visuals LLC	SM	0.25	3.00	0.00	24.00	34.50	61.75	0.000	0.000	0.000	1.558	1.56	
1000300021	Sunoco Partners Marketing & Terminals LP	TV	50.75	16.50	231.00	212.25	136.00	646.50	3.980	0.002	0.030	38.820	42.83	
1000300482	Transflo Terminal Service, Inc	SM	1.00	4.50	82.00	22.00	9.00	118.50	0.000	0.053	0.000	0.010	0.06	
1000100259	Tri-County Materials, LLC	SM	60.00	4.50	16.00	141.25	33.00	254.75	2.630	2.960	0.290	3.730	9.61	
1000300978	United Cocoa Processors, Inc.	SM	73.00	170.50	0.00	0.00	0.00	243.50	0.000	0.000	0.000	0.000	0.00	
1000300022	University Of Delaware, Newark	TV	377.75	196.00	174.00	157.50	108.50	1013.75	19.758	0.377	0.291	4.252	24.68	
1000300673	Veolia (Chemours Company Red Lion)	TV	25.00	329.00	275.00	456.50	460.00	1545.50	18.911	0.043	55.943	0.727	75.62	
1000300806	VeriSign Inc	SM	30.50	87.00	31.75	0.00	0.00	149.25	0.290	0.013	0.001	0.011	0.32	
1000100152	Warren F Beasley Power Station (DEMEC)	TV	497.25	596.00	304.50	304.00	249.50	1951.25	4.048	1.299	0.084	0.231	5.66	
1000300389	Wilmington Wastewater Treatment Plant	TV	102.00	82.50	64.25	232.00	18.50	499.25	4.500	0.081	0.697	0.592	5.87	
Totals			Reflected Billing Hours						Reflects Permitted Emission Values					