AIR AND RADIATION ADMINISTRATION
DRAFT PART 70 OPERATING PERMIT

DOCKET # 24-025-0282

COMPANY: Social Security Administration

LOCATION: 6401 Security Boulevard
Woodlawn MD 21235

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TITLE V – PART 70 OPERATING PERMIT PROGRAM OVERVIEW

Title V of the Clean Air Act (amended) requires each state to implement a federally enforceable operating permit program for major sources of air pollution. This program, the Part 70 Permit Program, also known as the Title V Permit Program, is designed to provide a comprehensive administrative document (a Part 70 Operating Permit) that identifies all air emissions sources at a given facility and the federal air quality regulations applicable to those sources. The permit establishes the methodology by which the owner/operator will demonstrate compliance, and includes testing, monitoring, record-keeping, and reporting requirements for each emissions source.

A Part 70 Operating Permit does not authorize new construction, and does not add any new emissions limitations, standards, or work practices on an affected facility. There may, however, be additional testing, record keeping, monitoring, and reporting requirements. A Part 70 Operating Permit is a five-year renewable permit. A responsible official for each facility subject to a Part 70 Operating Permit is required to annually certify compliance with each applicable requirement for that facility.

When an application for a Part 70 Operating Permit is received, the Department will complete a technical review of the application and will prepare a draft Part 70 Operating Permit and Fact Sheet. The Fact Sheet will explain the basis and technical analysis used by the Department to develop the federally enforceable permit conditions, including the required testing, monitoring, record keeping, and reporting provisions for each emissions unit at the permitted facility. The Fact Sheet will also include a description of the facility operations and the current compliance status with applicable requirements. If there are any discrepancies between the Part 70 Operating Permit application and the draft permit, the Fact Sheet will contain a discussion of the inconsistencies and the final resolution.

Public Participation Process

The Part 70 Operating Permit Program provides the public, adjacent states, and EPA the opportunity to review and submit comments on draft permits. The public may also request a public hearing on the draft permit.

The purpose of a public hearing is to give interested parties the opportunity to submit comments for the record which are germane to the draft federally enforceable permit conditions. Comments made at the hearing, or in writing to the Department during the comment period, should address errors and deficiencies in the permit such as unidentified emissions units, incorrect or deficient regulation citation, deficient record keeping, monitoring, reporting or testing requirements and unresolved compliance issues. After the public comment period has closed, the Department will review the formal testimony as part of the final review and prepare a Response to Comments document which will be sent to the EPA along with the draft Part 70 Operating Permit and Fact Sheet.

Testimony on state-only requirements will be kept on file at the Department as part of the formal record, however, state-only rules and regulations are not federally enforceable, and therefore are not within the scope of the EPA review. The Department will keep a record of the identity of the commenters, their statements, a summary of the issues raised during the public comment period, and the Response to Comments document for at least five years.

Citizen Petition to EPA to Object to Permit Issuance

Interested parties may petition the EPA to object to the Part 70 Permit if the EPA has not already objected, within 60 days after the 45-day EPA review period has ended. The petition period will be posted on the EPA website. The EPA will only consider objections to the federally enforceable provisions of the draft permit which were raised with reasonable specificity during the public comment period, unless: (1) the petitioner demonstrates that it was impractical to raise the objections within the public comment period, or (2) the grounds for the objection arose after the comment period. If the EPA agrees with the petition, the Department will reopen, revise, or revoke the permit as determined.

Applicant Objection to Permit Issuance and Recourse

If the applicant objects to the federally enforceable permit conditions contained in the issued Part 70 Operating permit, the applicant has 15 days from receipt of the issued permit to request a contested case hearing. More information on that can be found in 40 CFR, Part 70, and COMAR 26.11.03.11.

MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION

NOTICE OF INTENT TO ISSUE PART 70 OPERATING PERMIT, OPPORTUNITY TO SUBMIT WRITTEN COMMENTS OR TO REQUEST A PUBLIC HEARING

The Department of the Environment, Air and Radiation Administration (ARA) has completed its review of the application for a renewal Part 70 Operating Permit submitted by the Social Security Administration. The facility includes kerosene-fired gas combustion turbines, natural gas fired boilers, generators, smaller boilers and an underground gasoline storage tank.

The applicant is represented by:

Ms. Candice Thompson, Director
Division of Environmental Health & Industrial Hygiene
Social Security Administration
6401 Security Boulevard
Baltimore, MD 21235

The Department has prepared a draft Part 70 Operating Permit for review and is now ready to receive public comment. A docket containing the application, draft permit, and supporting documentation is available for review on the Department's website, under the Air Quality Permitting Page's Title V link under "Draft Title V Permits" and may be viewed here:

https://tinyurl.com/DraftTitleV

Interested persons may submit written comments or request a public hearing on the draft permit. Written comments must be received by the Department no later than 30 days from the date of this notice. Requests for a public hearing must be submitted in writing and must also be received by the Department no later than 30 days from the date of this notice.

Comments and requests for a public hearing will be accepted by the Department if they raise issues of law or material fact regarding applicable requirements of Title V of the Clean Air Act, and/or regulations implementing the Title V Program in Maryland found in COMAR.

A Request for public hearing shall include the following:

1) The name, mailing address, and telephone number of the person making the request;

2) The names and addresses of any other persons for whom the person making the request is representing; and

3) The reason why a hearing is requested, including the air quality concern that forms the basis for the request and how this concern relates to the person making the request.

All written comments and requests for a public hearing should be directed to the attention of Ms. Shannon Heafey via email at Shannon.heafey@maryland.gov or by post at Air Quality Permits Program, Air and Radiation Administration, 1800 Washington Boulevard Suite 720, Baltimore, Maryland 21230-1720. Further information may be obtained by calling Ms. Shannon Heafey at (410) 537-4433.

SOCIAL SECURITY ADMINISTRATION (AI# 1821)
6401 SECURITY BOULEVARD, BALTIMORE, MD 21235
PART 70 PERMIT# 24-005-00282
PART 70 OPERATING PERMIT FACT SHEET

I. BACKGROUND

A. Site:

Social Security Administration
Office of Environmental Health and Occupant Safety
6401 Security Boulevard – 53 Dunleavy
Baltimore MD 21235 – Baltimore County

B. Description:

The Social Security Administration (SSA or Permittee) processes Social Security checks and claims and provides office and administrative support services. The Permittee operates its Perimeter East Building that houses the computer system that processes financial transactions for the Administration. The computer system power supply is backed up by three (3) Solar – Titan 130 kerosene-fired gas combustion turbines (CTs), each rated at 15 MW and each is equipped with a 749-bhp/500 kW "black-start" I/C engine. The CT units are equipped with dry low NOx combustion technology.

The CT generators are used to provide emergency power to maintain operation of the headquarters campus in the event of a power outage due to storms, peak demand periods during the summer, power curtailments from the utility, and other unforeseen outages. The Social Security Administration's procedures for running on emergency power require that two generators are simultaneously run. By running two generators, operations are protected in case one generator goes offline, because the second would continue to hold the load with no interruption. The building load is approximately 5 megawatts. With two generators running, each generator is only producing 2.5 megawatts.

The Social Security Administration also operates its central boiler plant located in the Altmeyer Building. The plant consists of two (2) Erie City Iron Works boilers rated at 27 million Btu per hour each (Registration Nos. 5-0074 & 5-0075), one (1) Cleaver Brooks boiler rated at 32 million Btu per hour, one (1) Babcock & Wilcox boiler rated at 18.7 million Btu per hour of heat input (replaced an 18.2 million Btu per hour English Boiler & Tube boiler), and two (2) 750-kW/1,200 Bhp Cummins emergency diesel generators. The facility also operates a number of smaller boilers throughout the facility and an underground gasoline/E-85 storage tank.

C. **SIC Code**: 9441

D. **Applicable NSPS and MACT Regulations**:

(1) **40 CFR 60 Subpart KKKK** – Federal Standards of Performance for Stationary Gas Turbines, for the control of emissions from stationary combustion turbines that commenced construction, modification or reconstruction after February 18, 2005.

(2) **40 CFR 60 Subpart Dc** – Federal Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, for facilities which commenced construction after June 9, 1989.

(3) **40 CFR 63 Subpart ZZZZ** – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (a.k.a RICE MACT), for both new and existing area sources.

Note: New RICE generators (Reg. Nos. 9-1436 & 9-1437) are subject to NSPS, and by satisfying the NSPS requirement, the generators will comply with the RICE MACT.

(4) **40 CFR 63 Subpart JJJJJJ** – National Emissions Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources. – All SSA boilers are only equipped to fire natural gas and/or fire natural gas as the primary fuel. The boilers located in the Altmeyer Building are equipped to fire No. 2 fuel oil as back-up fuel. These boilers are exempt from the MACT, because they satisfy the definition for a natural gas fired boiler, since they will only fire fuel oil during emergency curtailments or disruption in the supply of natural gas. (**Ref: 40 CFR §63.11195(e))**. Therefore, SSA is exempt from the Boiler MACT. **[Ref. § 63.11195 (e)]**

Table 1 summarizes the actual emissions from the Social Security Administration (SSA) based on its Annual Emission Certification Reports:

Table 1: Actual Emissions

Year	NO_x (TPY)	SO_x (TPY)	PM_{10} (TPY)	CO (TPY)	VOC (TPY)	Total HAP (TPY)
2022	7.91	0.26	0.16	4.60	0.57	0
2021	9.67	0.50	0.16	5.20	0.76	0
2020	7.88	0.32	0.19	4.39	0.59	0
2019	7.76	0.33	0.14	3.60	0.66	0
2018	8.18	0.31	0.16	4.75	0.60	0

The major source threshold for triggering Title V permitting requirements in Baltimore County is 25 tons per year for NOx and VOC and 100 tons for any other criteria pollutant. Since the potential NOx emissions from the premises are greater than the major source threshold, the Social Security Administration (SSA) is required to obtain a Part 70 (Title V) Operating Permit under COMAR 26.11.03.01.

The Department received the Social Security Administration's Title V permit renewal application on February 7, 2023. An administrative completeness review was conducted, and the application was deemed to be administratively complete. A completeness determination letter was sent to the SSA on February 27, 2023.

Compliance Assurance Monitoring (CAM)

In order for a unit to be subject to CAM, it must be as follows: located at a major source; be subject to an emission limitation or standard; use a control device to achieve compliance; have post-control emissions of at least 100% of the major source amount (for initial CAM submittals); and must not otherwise be exempt from CAM. Applicability determinations are made on a pollutant-by-pollutant basis for each emission unit.

The primary sources of emissions at SSA are from the combustion turbines which use Dry-Low NOx technology to control NOx emissions and emissions from the central boiler plant, located in the Altmeyer building. Neither the CTs nor the boilers utilize control devices to meet their respective emissions standards as stated under the applicability requirements of 40 CFR PART 64 §64.2(a). No emissions control devices are used to achieve compliance with any emissions standard for any regulated pollutant emitted at SSA. Therefore, the Social Security Administration is not subject to CAM.

Green House Gas (GHG) Emissions

The Social Security Administration emits the following greenhouse gases (GHGs) related to Clean Air Act requirements: carbon dioxide, methane, and nitrous oxide. These GHGs originate from various fuel-burning or combustions processes at the facility, including emissions from boilers, internal combustion engines, and combustion turbines.

The facility is not a major source of GHG emissions and has not triggered Prevention of Significant Deterioration (PSD) requirements for GHG emissions; therefore, there are no applicable GHG Clean Air Act requirements

The following Table 2 summarizes the actual emissions from the Social Security Administration based on its Annual Emission Certification Reports:

Table 2: Greenhouse Gases Emissions Summary

GHG	2022 tpy CO_2e	2021 tpy CO_2e	2020 tpy CO_2e	2019 tpy CO_2e
Total GHG	6,234	7,053	5,945	4,468

CHANGES AND MODIFICATIONS TO THE PART 70 OPERATING PERMIT

There have been no regulatory changes and/or modifications that have occurred since the previous permit was issued in 2019 (Title V – Part 70 Operating Permit for the Social Security Administration.) In addition, there was no new equipment added to the facility during the renewal period. However, there were few changes in the permit conditions for the combustion turbines. The visible emissions testing requirement for the turbines has been updated.

II. EMISSION UNIT IDENTIFICATION

The Social Security Administration has identified the following emission units as being subject to Title V permitting requirements and having applicable requirements:

Table 3: Emission Unit Identification

Emissions Unit Number	MDE Registration Number	Emissions Unit Name and Description	Date of Installation
1	9-1180	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW–	12/2003

Emissions Unit Number	MDE Registration Number	Emissions Unit Name and Description	Date of Installation
		Utility Bldg.	
2	9-1181	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW– Utility Bldg	09/2005
3	9-1182	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW – Utility Bldg	05/2006
4	9-1668	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
5	9-1669	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
6	9-1670	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
7	5-2377	Hurst – 6.3 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
8	5-2378	Hurst – 6.3 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
9	5-2358	Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.	08/2014
10	5-2359	Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.	08/2014
12	5-0889	Cleaver Brooks - 32 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1979 / Mod 09/2016
13	5-0074	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1958 / Mod 09/2016
14	5-0075	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1958 / Mod 09/2016
15	5-2302	Babcock & Wilcox - 18.7 MMBH -	2012

Emissions Unit Number	MDE Registration Number	Emissions Unit Name and Description	Date of Installation
		dual (N.G. – Primary/ No. 2 oil – Backup) Altmeyer Bldg	
16	5-2582	Lochinvar boiler - 1.9 MMBH – natural gas fired boiler - Day Care Bldg.	2002
17	5-1737	Lochinvar boiler - 1.9 MMBH - natural gas fired boiler - Day Care Bldg.	2003
18	9-0403	20,000 gal. Gasoline/E-85 UST - West Complex U-Lot	1994
19	9-1436	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012
20	9-1437	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012

III. AN OVERVIEW OF THE PART 70 PERMIT

The Fact Sheet is an informational document. If there are any discrepancies between the Fact Sheet and the Part 70 permit, the Part 70 permit is the enforceable document.

Section I of the Part 70 Permit contains a brief description of the facility and an inventory list of the emissions units for which applicable requirements are identified in Section IV of the permit.

Section II of the Part 70 Permit contains the general requirements that relate to administrative permit actions. This section includes the procedures for renewing, amending, reopening, and transferring permits, the relationship to permits to construct and approvals, and the general duty to provide information and to comply with all applicable requirements.

Section III of the Part 70 Permit contains the general requirements for testing, record keeping and reporting; and requirements that affect the facility as a whole, such as open burning, air pollution episodes, particulate matter from construction and demolition activities, asbestos provisions, ozone depleting substance provisions, general conformity, and acid rain permit. This section includes the requirement to report excess emissions and deviations, to submit an annual

emissions certification report and an annual compliance certification report, and results of sampling and testing.

Section IV of the Part 70 Permit identifies the emissions standards, emissions limitations, operational limitations, and work practices applicable to each emissions unit located at the facility. For each standard, limitation, and work practice, the permit identifies the basis upon which the Permittee will demonstrate compliance. The basis will include testing, monitoring, record keeping, and reporting requirements. The demonstration may include one or more of these methods.

Section V of the Part 70 Permit contains a list of insignificant activities. These activities emit very small quantities of regulated air pollutants and do not require a permit to construct or registration with the Department. For insignificant activities that are subject to a requirement under the Clean Air Act, the requirement is listed under the activity.

Section VI of the Part 70 Permit contains State-only enforceable requirements. Section VI identifies requirements that are not based on the Clean Air Act, but solely on Maryland air pollution regulations. These requirements generally relate to the prevention of nuisances and implementation of Maryland's Air Toxics Program.

IV. REGULATORY REVIEW/TECHNICAL REVIEW/COMPLIANCE METHODOLOGY

A. APPLICABLE REQUIREMENTS (COMBUSTION TURBINES)

Emissions Unit Number(s) – EU-1, EU-2, & EU-3

MDE Reg. No. 005-0282-9-1180, 9-1181, & 9-1182 Installed in 2003, 2005, and 2006, respectively.

Three (3) Solar – Titan 130 kerosene-fired gas fired gas turbine, rated at 15 MW, installed at the Utility Building.

Each CT is equipped with Dry Low-NOx technology, capable of achieving NOx emissions of less than 96 parts per million (ppm) when firing kerosene. The generators received an exemption for the requirement for a Certificate for Public Convenience and Necessity from the Public Service Commission on August 28, 2002. The 3 CTs were installed under PTC #005-9-1180, 5-1181, & 5-1182 N, issued May 9, 2003. This PTC was modified in June of 2015 to allow the units to operate for non-emergency use.

The combustion turbine generators (CTs) are used to provide emergency power to maintain operation of the computer center in the event of a power outage due to storms, peak demand periods during the summer, power curtailments from the utility, and other unforeseen outages. They do not operate to supply primary electrical power.

Applicable Standards and limits:

A. Control of Visible Emissions
Fuel Burning Equipment. – **[COMAR 26.11.09.05(A)(2)]**

"(2) In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.

(3) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:
(a) The visible emissions are not greater than 40 percent opacity; and
(b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Compliance Demonstration:
The Permittee shall verify no visible emissions during normal operation. An observer shall perform a 12-minute method 22 like observation of stack emissions once per calendar year, per unit.
If emissions are visible to the human observer, the Permittee shall perform the following: (a) inspect the combustion control system and combustion turbine (CT) operations, (b) perform all necessary adjustments and/or repairs to the CT within 48 hours of operation so that visible emissions are eliminated; and (c) document in writing the results of inspections, adjustments and/or repairs to the CT. If the required adjustments and/or repairs have not eliminated the visible emissions, while in normal operation, the Permittee shall perform a Method 9 observation once daily when the CT is operating for 18 minutes until corrective actions have eliminated the visible emissions.

[Reference: COMAR 26.11.03.06C]

Rationale for Periodic Monitoring (VE):
The combustion turbines (CTs) shall burn a very high-grade, low-sulfur kerosene. Typically, this type of CT burning kerosene is not expected to have visible emissions if properly maintained and operated. The Permittee is required to implement a preventative maintenance plan, and maintain on site an operations manual and records of maintenance performed that relate to combustion performance. The periodic monitoring specified is sufficient for this installation, based on the type of installation and method of operation.

B. Control of Sulfur (SOx) Emissions –
40 CFR 60 Subpart KKKK §60.4330 – **Standard for sulfur dioxide**. –
Federal Standards of Performance for Stationary Gas Turbines:

"(a) If your turbine is located in a continental area, you must comply with either paragraph (a)(1) or (a)(2) of this section:

(1) You must not cause to be discharged into the atmosphere from the subject stationary combustion turbine any gases which contain SO_2 in excess of **110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross output**, or

(2) You must not burn in the subject stationary combustion turbine any fuel, which contains total potential sulfur emissions in excess of **26 ng SO_2/J (0.060 lb SO_2 /MMBtu) heat input**. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement."

Note (1): The Permittee may satisfy this requirement by meeting the fuel oil sulfur content limitation of 0.05% by weight as specified under 40 § 60.4365

COMAR 26.11.09.07A(2)(b) – **Sulfur Content Limitations for Fuels**.
A person may not burn, sell, or make available for sale any fuel with sulfur content by weight in excess of 0.3 percent for distillate fuel oils.

Note (2): Since the COMAR requirement is less stringent than the NSPS Subpart KKKK Sulfur Control requirements, the NSPS requirement shall apply.

COMAR 26.11.09.07C – **Request for Analyses**.
Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas is burned, upon request, shall

submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation."

Compliance Demonstration (SOx):

The Permittee shall monitor and maintain records of the sulfur content of the kerosene fuel in accordance with 40 CFR 6O Subpart KKKK §60.4365. The Permittee may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input for units located in continental areas. The Permittee must use one of the following sources of information to make the required demonstration:

(a) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use in continental areas is 0.05 weight percent (500 ppmw) or less and the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 standard cubic feet: **(*3)** or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input.

Note (3): The Permittee shall satisfy this requirement by maintaining records that they meet the fuel oil sulfur content limitation of 0.05% by weight as specified under § 60.4365

The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request. The Permittee shall submit along with their semi-annual reports, fuel supplier certifications that verify that the fuel used complies with the limitations on sulfur content. The reports shall be submitted within 30 days after the end of the last previous semi-annual period covered
[Authority: PTC No. 005-9-1180,…N & 40 CFR 60 Subpart KKKK]

Rationale for Periodic Monitoring (SOx):

The combustion turbines (CTs) shall burn a high-grade, low-sulfur kerosene. Typically the sulfur content of kerosene used by SSA is far less than that of either Federal or State standards. Compliance demonstration is set by the regulations and the permit to construct.

C. Control of Nitrogen Oxide (NOx) Emissions

(1) **40 CFR 60 – Subpart KKKK – §60.4320 – What emission limits must I meet for nitrogen oxides (NO_X)?**
(a) You must meet the emission limits for NO_X specified in Table 1 to this subpart.

TABLE 1 TO SUBPART KKKK OF PART 60—NITROGEN OXIDE EMISSION LIMITS FOR NEW STATIONARY COMBUSTION TURBINES		
Combustion turbine type	**Combustion turbine heat input at peak load (HHV)**	**NO_X emission standard**
New turbine firing fuels other than natural gas (i.e., K1).	> 50 MMBtu/h and ≤ 850 MMBtu/h	74 ppm at 15 percent O2 or 460 ng/J of useful output (3.6 lb/MWh)

[Authority: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]

Note:
§ 60.4310 – "What types of operations are exempt from these standards of performance?
(a) *Emergency combustion turbines*, as defined in §60.4420(i), are exempt from the nitrogen oxides (NOx) emission limits in §60.4320."

Where: *Emergency combustion turbine* means any stationary combustion turbine, which operates in an emergency situation. Examples include stationary combustion turbines used to produce power for critical networks or equipment, including power supplied to portions of a facility, when electric power from the local utility is interrupted, or stationary combustion turbines used to pump water in the case of fire or flood, etc. Emergency stationary combustion turbines do not include stationary combustion turbines used as peaking units at electric utilities or stationary combustion turbines at industrial facilities that typically operate at low capacity factors. Emergency combustion turbines may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are required by the manufacturer, the vendor, or the insurance company associated with the turbine. Required testing of such units should be minimized, but there is no time limit on the use of emergency combustion turbines.

[Reference: § 60.4420 – "What definitions apply to this subpart?"]

(2) **<u>COMAR 26.11.09.08G(2)</u> – Control of NOx Emissions for Major Stationary Sources –**
Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less, and Combustion Turbines with a Capacity Factor Greater than 15 Percent.

"A person who owns or operates a combustion turbine with a capacity factor greater than 15 percent shall meet an hourly average NO_x emission rate of not more than 42 ppm when burning gas or 65 ppm when burning fuel oil (dry volume at 15 percent oxygen) or meet applicable Prevention of Significant Deterioration limits, whichever is more restrictive."

[40CFR72.2] *Capacity factor* means either: (1) the ratio of a unit's actual annual electric output (expressed in MWe-hr) to the unit's nameplate capacity times 8760 hours, or (2) the ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum design heat input (in million British thermal units per hour or equivalent units of measure) times 8,760 hours.

Note (3): If capacity factor is less than 15%, then the COMAR NO_X emissions limits do not apply. If units are operated as "emergency combustion turbines' as defined in Subpart KKKK, then Subpart KKKK NO_X standard does not apply.

<u>Compliance Demonstration (NOx)</u>:
The Permittee shall:

(1) Conduct testing on at least one of the CT units, once during the term of the operating permit, and the testing shall be completed and the results submitted the Department at least one year prior to the expiration of the operating permit.

(2) Conduct each performance test for NO_X in accordance with the methodologies specified in 40 CFR §60.4400 unless the Administrator specifies or approves, in specific cases, an alternative reference method.

(3) Provide the Department with two copies of the test protocols at least 30 days prior to any scheduled performance tests.

(4) Provide the Department at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days' notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (the Department) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (the Department) by mutual agreement.

(5) Submit a written report to the Department of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

[Authority: PTC No. 005-0282-9-1180, 9-1181, & 9-1182 & 40 CFR 60 – Subpart KKKK]

The Permittee shall:

(1) Monitor and record the date, time period and operating hours of each CT, as well as the reason for operation, i.e. emergency stand-by, utility power interruption, maintenance check, etc.

(2) Calculate the annual capacity factor for each CT unit and submit with the results with the annual emissions certification.

Capacity Factor: … the ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum design heat input (in million British thermal units per hour or equivalent units of measure) times 8,760 hours

(3) The Permittee shall monitor the NOx emissions from the flue gases of CT's based on emission factors developed from the stack test or factors taken from the annual emissions certification for each month of operation. The Permittee shall maintain a monthly record of the results. The Permittee shall report results of the NO_x to the Department by April 1st and October 1st of each calendar year.

[Authority: COMAR 26.11.03.06C & COMAR 26.11.09.08G(2)]

Rationale for Periodic Monitoring (NOx):
Monitoring for NOx is dictated by the requirements and emissions limits specified in 40 CFR 60 – Subpart KKKK and COMAR 26.11.09.08 G (NOx-RACT) as specified in the construction permit. The monitoring specified is either specified in the regulations(s) cited above and/or or are sufficient to assure that these requirement are met.

D. Operational Limitations (OL) – General Operating Requirements

(1) The Permittee shall burn only kerosene and/or natural gas in the combustion turbines and in the Black-Start engines.

(2) The CT generators may be operated as needed to provide emergency or non-emergency power; including but not limited to, an event of a power outage due to storms, peak demand periods during the summer (peak-load shaving), and power curtailments from the utility, etc.
[Authority: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]

(3)General Compliance Requirements - Sec. 60.4333
"You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction."
[Authority: 40 CFR 60, Subpart KKKK]

(Synthetic Minor Requirements for New Source Review (NSR) Exemption)

(1) In order to exempt the gas turbine generator sets from the requirements of COMAR 26. 11. 17 - Requirements for Major New Sources and Modifications, and prevent the gas turbines from operating as a "Major Stationary Source" of NO_X emissions as defined under COMAR 26.11.17.01B(13), the Permittee shall limit the NO_X emissions from the gas turbine generator sets, including the "black-start" engines, to less than 25 tons per year, for any 12-month consecutive period.

(2) In order to demonstrate compliance with the emissions limitations requirement for exemption from New Source Review (NSR), the Permittee shall calculate and record the NO_X emissions from the combustion turbine generator sets,

for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month
[Authority: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]

Compliance Demonstration (OL):
(Synthetic Minor Requirements for Exemption from NSR)
(1) In order to demonstrate compliance with the emissions limitations requirement for exemption from NSR, the Permittee shall calculate and record the emissions from the gas turbine generator sets and Black-start engines, for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month.
[Authority: PTC No. 005-9-1180 N & COMAR 26.11.03.06C]

(Control of NOx Emissions for Major Stationary Sources)
(2) The Permittee shall monitor the combustion turbine operating parameters necessary to determine each unit's annual capacity factor as defined in [40CFR72.2]. The Permittee shall calculate and record the capacity factor for each gas turbine generator, for each previous calendar month and the average for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month. The summary of the emissions and capacity factors shall be submitted with the semi-annual reports due by April 1st and October 1st of each calendar year. [Authority: COMAR 26.11.09.08G]

Rationale for Periodic Monitoring (NOx - OL):
Periodic monitoring of the NOx emissions for each previous calendar month and the average for the previous 12 consecutive calendar months shall be used to verify compliance with the NSR synthetic minor requirement. The Permittee shall use emissions factors based on periodic emissions testing along with monthly fuel use and operating data to calculate monthly NOx emissions for each CT. This monitoring will allow the facility to operate any combination of the units as necessary and still remain in compliance with NSR limitation.

E. Control of Particulate Emissions:

None – The combustion turbines do not have any applicable PM emissions control requirements or are exempt from any PM

requirements under the COMAR or Federal NSPS regulations.

F. Control of VOC Emissions:

None – The combustion turbines do not have any applicable VOC emissions control requirements or are exempt from any VOC requirements under the COMAR or Federal NSPS regulations.

B. APPLICABLE REQUIREMENTS (BLACK START ENGINES)

Emissions Unit Number(s) – EU-4, EU-5, & EU-6

MDE Reg. No. 005-0282-9-1180, 9-1181, & 9-1182 Installed in 2003.

Three-(3) 749-bhp/500 kW “black-start” I/C reciprocating kerosene-fired emergency generator engines.

These engines provide power to the controls and instrumentation to start and operate the gas turbines in case of loss of all utility power to SSA.

Applicable Standards and limits:

A. Control of Visible Emissions (VE) –

COMAR 26.11.09.05E. – “Stationary Internal Combustion Engine Powered Equipment.

(1) Definitions. For the purpose of this section:

(a) "Idle" means the condition during which the engine is not performing the useful net work that enables the piece of equipment to accomplish its designated purpose.

(b) "Internal combustion engine" (hereafter "engine") means all engines except those used for propulsion of ships or vehicles licensed to operate upon the public highway within the State, or engines employed solely for agricultural

and recreational purposes unless they are an integral part of a stationary installation.

(2) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(3) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(4) Exceptions.

(a) Section E (2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(b) Section E (2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:
(i) Engines that are idled continuously when not in service: 30 minutes;
(ii) All other engines: 15 minutes.

(c) Section E (2) and (3) does not apply while maintenance, repair, or testing is being performed by qualified mechanics."

Compliance Demonstration (VE):
The Permittee shall properly operate and maintain the generators in accordance with the engines manufacturer's recommendations and in a manner to assure compliance with the visible emissions standards. [Authority: COMAR 26.11.03.06C]

(b) Control of Sulfur (SOx) Emissions –
COMAR 26.11.09.07A(2)(b) which states: "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitation: distillate fuel oil, **0.3 percent**."

Compliance Demonstration (SOx):
The Permittee shall maintain records of all fuel oil certifications indicating that the oil complies with the limitations on sulfur content and make them available to the Department upon request.
Certification may include:

i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for kerosene; and/or

ii) a record of fuel analysis by the Maryland State Comptroller's Office.

iii) A certified statement signed by the authorized representative of the Facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period.

[Authority: COMAR 26.11.03.06C & COMAR 26.11.09.07A(2)(b)]

(c) Control of Nitrogen Oxide Emissions -
(Control of NOx Emissions for Major Stationary Sources)
COMAR 26.11.09.08G(1) - Requirements for Fuel Burning Equipment with a Capacity Factor of 15 Percent or Less.
"A person who owns or operates fuel burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

(a) Provide certification of the capacity factor of the equipment to the Department in writing;

(b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually;

(c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and EPA upon request;

(d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA , or equipment vendors; and

(e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request."

Note: The black-start engine "operators" are considered the person(s) who conduct maintenance and/or combustion optimization of the engines.

Compliance Demonstration (NOx):
(NOx – RACT)
The Permittee shall perform engine maintenance and inspections in accordance with manufacturer's recommendations. Engine inspections, tuning, and adjustments shall be performed by a qualified mechanic and in accordance with the engines manufacturer's recommendations. The Permittee shall maintain an operations manual and preventive maintenance plan and records of engine maintenance and inspections on-site and make them available to the Department upon request.
[Authority: PTC No. 005-9-1180 N & COMAR 26.11.03.06C]

(d) Operational Limitations (OL) -
(Synthetic Minor Requirements for Exemption from NSR)
In order to demonstrate compliance with the emissions limitations requirement for exemption from NSR, the Permittee shall calculate and record the emissions from the gas turbine generator sets, including the "black-start" engines, for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month. If engines are not run then of course no calculated emissions are required.
[Authority: PTC No. 005-9-1180 N & COMAR 26.11.03.06C]

Compliance Demonstration (OL):
(NSR – NOx Synthetic Minor Requirement)
The Permittee shall monitor and record the operating hours, and monthly fuel use of each black-start engine, if run. The Permittee shall maintain monthly records of NOx emissions from turbine generator sets, including the black-start engines, if run, for each previous calendar month and a total for the previous 12 consecutive calendar months, to assure that the emissions from the CT's and Black-start engines are less than 25-tons per year on each rolling 12-month period. The calculations and records shall be updated monthly, within the first 15 days of each following month. The Permittee shall maintain records of the hours of operation and fuel usage,

and NOx emissions for each engine on site and shall make those records available to the Department upon request.
[Authority: PTC No. 005-9-1180,…N & COMAR 26.11.03.06C]

B (2) RICE-MACT - Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Emission and Operating Limitations

§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you.

Note: There are no applicable limits in Table 2b that apply to these Existing CI Stationary RICE >500 HP because they are emergency engines with no applicable CO emissions limits.

Table 2 d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions
As stated in §§ 63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

Table 2d		
For each . . .	**You must meet the following requirement, except during periods of startup . . .**	**You must meet the following requirement, except during periods of startup . . .**
4. Emergency stationary CI RICE and black start stationary CI RICE.[2]	a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1]	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and

		safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

General Compliance Requirements
§ 63.6605 What are my general requirements for complying with this subpart?
(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

(e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions: (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions.

§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, maintenance and testing, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(2) Requirements for emergency stationary RICE. (1) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that was installed on or after June 12, 2006, or an existing emergency stationary RICE located at an area source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1)(i) through (iii)(*) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

(i) There is no time limit on the use of emergency stationary RICE in emergency situations.

(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are

recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. **[Reference: 40 CFR §63.6640 (f)]**

Note (*): Effective May 2, 2016, emergency generators are no longer allowed to participate for emergency demand response operation unless they meet the requirements of a non-emergency generator of the same model year. This engine does not meet the standards for a non-emergency generator, therefore, operation for emergency demand response or during periods of voltage deviation, as was indicated under paragraphs (f)(1)(iii), are not permitted.
[Reference: U.S. Court of Appeals for the District of Columbia Circuit May 2, 2016 Vacatur on Participation in Emergency Demand Response (EDR) Programs]

Notifications, Reports, and Records

§ 63.6655 What records must I keep?
(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

Per Table 6 of Subpart 40 CFR 63 Subpart ZZZZ, Section 9 for existing emergency and black start stationary RICE located at an area source of HAP, the facility must meet the following:

a. Work or Management practices

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE:

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

[69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]

C. APPLICABLE REQUIREMENTS FOR FUEL BURNING EQUIPMENT:

Emissions Unit Number(s) – EU-7, EU-8, EU-9, EU-10, EU-12, EU-13, EU-14, EU-15, EU-16, EU-17

MDE Reg. No. 005-0282-5-2377, 5-2378, 5-2358, 5-2359, 5-0889, 5-0074, 5-0075, 5-2302, 5-2582, & 5-1737

(EU-7): Hurst – 6.3 MMBH dual (NG – Primary/K1 - backup) fired boiler - Utility Bldg.
(EU-8): Hurst – 6.3 MMBH dual (NG – Primary/K1 - backup) fired boiler - Utility Bldg.
(EU-9): Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.

(EU-10): Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.
(EU-12): Cleaver Brooks (NG/No. 2- backup) - 40 MM Btu - Altmeyer
(EU-13): Erie Boiler (NG/No.2 - backup) - 31 MM Btu - Altmeyer Bldg
(EU-14): Erie Boiler (NG/No.2-backup) - 31 MM Btu - Altmeyer Bldg
(EU-15): Babcock & Wilcox (NG/No.2) - 18.7 MMBH - Altmeyer Bldg (**NSPS**)

(EU-16): 5-2582 - Lochinvar boiler (NG) - 1.9 MM Btu - Day Care Bldg.
(EU-17): 5-1737 - Lochinvar boiler (NG) - 1.9 MM Btu - Day Care Bldg.

(1) Applicable Regulatory Standards and Limits:

(a) Control of Visible Emissions -

COMAR 26.11.09.05A(2) which states, “Areas III and IV. In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity.

COMAR 26.11.09.05A(3) Exceptions.
Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:

(i) The visible emissions are not greater than 40 percent opacity; and
(ii) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period.

Compliance Demonstration (VE):

The Permittee shall:

(1) Properly operate and maintain the boilers in a manner to prevent visible emissions; and

(2) Verify no visible emissions only when burning No. 2 fuel oil. The Permittee shall perform a visual observation of stack emissions for a 6-minute period once for each month that the boiler burns No. 2 fuel oil or at a minimum of once per year.

Note: If only natural gas is fired then no V.E observation is required.

The Permittee shall perform the following, if emissions are visible:

(1) Inspect combustion control system and boiler operations,

(2) Perform all necessary adjustments and/or repairs to the boiler within 48 hours, so that visible emissions are eliminated;

(3) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and

(4) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform Method 9 observations once daily for 18 minutes until corrective actions have eliminated the visible emissions.

[Authority: COMAR 26.11.03.06C]

Rationale for Periodic Monitoring:
Boilers that burn natural gas fuel with No. 2 fuel oil as backup with a rated heat input capacity of more than 10 MM Btu/hr and less than 100 MM Btu/hr rarely have visible emissions if properly operated and maintained. The Permittee is required to maintain on site an operations manual, a preventative maintenance plan, and records of maintenance performed that relate to combustion performance.

If visible emissions were to occur, it would happen when burning fuel oil. The Permittee is required to perform a visual observation of the exhaust gases from the boiler stack for a 6-minute period, once each month that fuel oil is burned. In mild winters, the hours of interrupted gas service may not occur for that season. At a minimum, one observation for visible emissions is required each year. The Permittee is required to maintain a record of the results of the observations and number of hours that fuel oil is burned.

(b) Control of Sulfur Emissions –
{(1) Applies to NSPS Boilers only - E/N (15)}
(1) 40 CFR 60, Subpart Dc, §60.42c
(d) "...no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain

SO_2 in excess of 215 ng/J (0.50 lb/million Btu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur."*
(h) "For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable."

(1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MMBtu/hr)."

(i) "The SO_2 emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction."

(2) COMAR 26.11.09.07A(2)(b) which states: "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitation: distillate fuel oil, **0.3 percent**."

***Note**: Because COMAR 26.11.09.07A(2)(b) fuel sulfur content limitation is more stringent it supersedes 40 CFR 60, Subpart Dc, §60.42c stated in permit condition (2).

Compliance Demonstration (S):
The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request.
Certification may include:

i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for No. 2 fuel oil; and/or

ii) a record of fuel analysis by the Maryland State Comptroller's Office.

iii) A certified statement signed by the authorized representative of the Facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period.

[Authority: COMAR 26.11.03.06C & COMAR 26.11.09.07A(2)(b)]

The Permittee shall submit along with their semi-annual reports, a fuel supplier certification(s) that verify that the fuel oil used complies with the limitations on sulfur content.
[Authority: COMAR 26.11.03.06C and 40 CFR 60 Subpart Dc]

Rationale for Periodic Monitoring (S):
The strategy for the compliance demonstration is based on the compliance demonstration for NSPS - 40 CFR 60 Subpart Dc for Small-Industrial-Commercial Steam generating Units. Though the referenced CFR applies only to - E/N **(15),** the monitoring and reporting strategy is adequate for all fuel oil burning equipment reference under this section at the facility.

(c) Control of Nitrogen Oxide Emissions -
COMAR 26.11.09.08 - Control of NO_x Emissions for Major Stationary Sources.
"F. Requirements for Space Heaters.

(1) A person who owns or operates a space heater as defined in Regulation .01B of this chapter shall:

(a) Submit to the Department a list of each affected installation on the premises and the types of fuel used in each installation;

(b) Develop an operating and maintenance plan to minimize NOx emissions based on the recommendations of equipment vendors and other information including the source's operating and maintenance experience;

(c) Implement the operating and maintenance plan and maintain the plan at the premises for review upon request by the Department;

(d) Require installation operators to attend in-State operator training programs once every 3 years on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(e) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request.

(2) A person who owns or operates an installation that no longer qualifies as a space heater shall inform the Department not later than 60 days after the date when the fuel-burning equipment did not qualify, and shall meet the applicable fuel-burning equipment RACT requirement in this regulation.

"Space heater" means fuel-burning equipment that consumes more than 60 percent of its annual fuel during the period from October 31 of one year, through March 31 of the following year. For the purpose of this regulation, annual fuel use is the total fuel consumed during the period October 1 of one year to September 30 of the following year, beginning October 1, 1989."

Compliance Demonstration (NO_X):
The Permittee shall maintain records of the following in order to satisfy the requirements for the Control of NO_x Emissions for Major Stationary Sources - COMAR 26.11.09.08 F:

(1) List of each affected installation on the premises and the types of fuel used in each installation;

(2) Operating and maintenance plan;

(3) Verification of training program attendance for each operator at the site; and

(4) Statement verifying the premises still qualifies as a Space Heater" as defined by COMAR 26.11.00.08 F.

[Authority: COMAR 26.11.03.06C & COMAR 26.11.09.08 F]

Rationale for Periodic Monitoring (NOx):
The monitoring requirements are as stated in the regulation COMAR 26.11.09.08 F.

(d) Operational Limitation -

(1) Except as otherwise provided in this part, the boilers shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Department provides written approval for alternative operating procedures

{Condition D.(2) below, applies only to Altmeyer Bldg. Reg. Nos.: 5-0889; 5-0074; 5-0075; and 5-2302}

(2) The dual (natural gas- primary/ (No. 2 fuel oil - emergency backup) fired boilers shall only fire fuel oil during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year**. [Ref: §63.11237 – Definition of Gas-fired boiler]**

Period of gas curtailment or supply interruption means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility. **[40 CFR §63.11237 – "Period of gas curtailment or supply interruption"]**

Note: The Permittee is exempt from the Area Source MACT for Large Boilers 40 CFR 63, Subpart JJJJJJ due to the fact that the unit shall fire natural gas and shall only fire No.2 fuel oil only during emergencies such as a major disruption in the utility supply of natural gas. [Ref. 40 CFR §63.11195(e)]
[Authority: PTC 005-0282-5-2302 & COMAR 26.11.02.09A]

Compliance Demonstration (NOx):
The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request.
[Authority: COMAR 26.11.09.07A(2)(b)]

D. APPLICABLE REQUIREMENTS FOR GASOLINE STORAGE AND OTHER VOC STORAGE AND DISPENSING:

Emissions Unit Number(s) – EU-18

MDE Reg. No. 005-0282-9-0403

20,000 Gallon (Gasoline/E-85) Underground Storage Tank

Background: SSA operates a gasoline/E-85 dispensing facility to support its motor pool. The annual throughput of gasoline/E-85 is 28,000 gallons per year; therefore the average monthly throughput is approximately 2333 gallons. Therefore, the UST is not subject to the Stage II vapor recovery requirements as required by the regulation. However; if the UST facilities should increase its average monthly gasoline/E-85 throughput to 10,000 gallons per month for the calendar year, or install any new tanks with a capacity greater than 2,000 gallons, they shall be subject to all applicable requirements of COMAR 26.11.13 & COMAR 26.11.24.

(a) Control of Gasoline & Volatile Organic Compound Storage and Handling Emissions –

COMAR 26.11.13.04C-Small Storage Tanks.
(2) Stage I Vapor Recovery. An owner or operator of a gasoline tank truck or an owner or operator of a stationary storage tank subject to this regulation may not cause or permit gasoline to be loaded into a stationary tank unless the loading system is equipped with a vapor balance line that is properly installed, maintained and used."

COMAR 26.11.13.04D - General Standards. "A person may not cause or permit a gasoline or VOC having a TVP of 1.5 psia (10.3 kilonewtons/square meter) or greater to be loaded into any truck, railroad tank car, or other contrivance unless the:

(1) Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and
(2) Equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading and unloading operations.

Compliance Demonstration:
The Permittee and/or its fuel delivery agent shall as part of their operations and maintenance plan periodically visually inspect all components on the premises for leaks and retain a record of these leak inspections. If leaks are detected, corrective action shall be as follows:
(1) Take immediate action to repair all observed VOC leaks that can be repaired with 48 hours; and
(2) Repair all other leaking components not later than 15 days after the leak is discovered. If a replacement part is needed, the part shall be ordered within 3 days after discovery of the leak, and the leak shall be repaired within 48 hours after receiving the part.
[Authority: COMAR 26.11.03.06C]

Rationale for Periodic Monitoring:
The monitoring requirements are as specified by regulation COMAR 26.11.13.

E. APPLICABLE REQUIREMENTS FOR STATIONARY INTERNAL COMBUSTION ENGINES – EMERGENCY DIESEL GENERATORS

Emissions Unit Number(s) – EU-19 & EU-20

MDE Reg. No. 005-0282-9-1436 & 9-1437

Two-(2) 750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDGs installed in 2012.

Applicable Standards/Limits:

A. Visible Emissions Limitations
COMAR 26.11.09.05 E. Stationary Internal Combustion Engine Powered Equipment.

(2) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(3) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(4) Exceptions.

(a) Section E(2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(i) Engines that are idled continuously when not in service: 30 minutes;

(ii) All other engines: 15 minutes.

(c) Section E(2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.

Compliance Demonstration (VE):
The Permittee shall properly operate and maintain the generators in accordance with the engines manufacturer's recommendations and in a manner to assure compliance with the visible emissions standards. The Permittee shall maintain an operations manual and preventive maintenance plan. The Permittee shall maintain a log of maintenance performed that relates to combustion performance. The Permittee shall report incidents of visible emissions in accordance with permit Condition 4, Section III, Plant Wide Conditions, "Report of Excess Emissions and Deviations". **[Authority: COMAR 26.11.03.06C]**

B. Control of Sulfur Oxides
COMAR 26.11.09.07A(2)(b) which states: "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitation: distillate fuel oil, **0.3 percent**."

Compliance Demonstration (SOx):
The Permittee shall obtain a certification from the fuel supplier indicating that the oil complies with the limitation on the sulfur content of fuel oil. The Permittee shall submit fuel supplier certifications to the Department upon request [**Authority: COMAR 26.11.03.06C].**

The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request.

Certification may include:

i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for kerosene; and/or

ii) A certified statement signed by the authorized representative of the Facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period.

iii) For any NSPS emergency diesel generator the Permittee shall for each fuel delivery obtain from the fuel supplier a fuel supplier certification consisting of the name of the oil supplier, the date of delivery, the amount of fuel delivered, and a statement from the fuel supplier that the diesel fuel oil complies with the specifications of 40 CFR §80.510. The Permittee shall maintain the required records on site for at least five (5) years.

[Authority: COMAR 26.11.09.07A(2)(b) & PTC 005-0282-9-1436 & 9-1437 N]

C. Control of Nitrogen Oxides

COMAR 26.11.09.08 G. - **Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less**, and Combustion Turbines with a Capacity Factor Greater than 15 Percent.

(1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

(a) Provide certification of the capacity factor of the equipment to the Department in writing;

(b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually;

(c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;

(d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.

Note: Capacity factor means either:
(1) The ratio of a unit's actual annual electric output (expressed in MWe/hr) to the unit's nameplate capacity (or maximum observed hourly gross load (in MWe/hr) if greater than the nameplate capacity) times 8760 hours; or

(2) The ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum rated hourly heat input rate (in million British thermal units per hour or equivalent units of measure) times 8,760 hours. [Reference: 40 CFR Part 72.2]

(2) COMAR 26.11.09.08B(5) states that; (a) for the purpose of COMAR 26.11.09.08, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation; and (b) that the operator training course sponsored by the Department shall include an in-house training course that is approved by the Department.

(3) COMAR 26.11.09.08K(3) which requires a person subject to this regulation to maintain annual fuel use records on site and make these records available to the Department upon request.

[Authority: PTC 005-0282-9-1436 & 9-1437 N & COMAR 26.11.09.08]

Compliance Demonstration (NOx):
The Permittee shall perform engine maintenance and inspections in accordance with manufacturer's recommendations. Engine inspections, tuning, and adjustments shall be performed by a qualified mechanic and in accordance with the engines manufacturer's recommendations.
[Authority: COMAR 26.11.03.06C]

The Permittee shall:

(1) Maintain the records of the operations and maintenance plan and records of any engine maintenance and repairs on site.

(2) Prepare and maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.

[Authority: COMAR 26.11.09.08G(1) & COMAR 26.11.03.06C]

D. Operational Limitations

(1) The Permittee must operate and maintain an NSPS emergency diesel generator and control devices according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 1039 for model year 2011 or later, part 94 and/or part 1068, as they may apply to an owner or operator [Ref: 40 CFR 60 Subpart IIII - §60.4211].

(2) Beginning October 1, 2010, owners and operators (the Permittee) of a stationary source CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. [Ref: 40 CFR 60 Subpart IIII - §60.4207].

(3) In accordance with 40 CFR §60.4211(e), non-emergency use of each NSPS emergency diesel generator for the purpose of maintenance checks and readiness testing is limited to 100 hours per year or less unless prior approval is received from the Department.

[Authority: 40 CFR 60 Subpart IIII & PTC 005-0282-9-1436 & 9-1437 N]

Compliance Demonstration (OL):
The Permittee shall maintain on site for the life of the source the following records for the emergency diesel generator(s):

(1) Documentation of the manufacture date of the diesel engine, if manufactured prior to April 1, 2006 and the manufacturer model year of the diesel engine;

(2) The installation date of each emergency diesel generator; and

(3) The certifications of compliance or manufacturer engine test data required by 40 CFR §60.4211 and §60.4214(b).

[Authority: 40 CFR 60 Subpart IIII & PTC 005-0282-9-1436 & 9-1437 N]

COMPLIANCE SCHEDULE

SSA is currently in compliance with all applicable air quality regulations. or Discuss compliance plan and schedule when applicable.

TITLE IV – ACID RAIN

SSA is not subject to the Acid Rain Program requirements.

TITLE VI – OZONE DEPLETING SUBSTANCES

SSA is not subject to Title VI requirements.

SECTION 112(r) – ACCIDENTAL RELEASES

SSA is not subject to the requirements of Section 112 (r).

PERMIT SHIELD

SSA did not request a permit shield.

INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

(1) No. 4 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The are units are subject to the following requirements:

(A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(C) Exceptions:

(i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(a) Engines that are idled continuously when not in service: 30 minutes
(b) all other engines: 15 minutes.

(iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

(2) 1 Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 Btu per hour;

(3) 33 Equipment for drilling, carving, cutting, routing, turning, sawing, planning, spindle sanding, or disc sanding of wood or wood products;

(4) ✓ Brazing, soldering, or welding equipment, and cutting torches related;

(5) Containers, reservoirs, or tanks used exclusively for:

(a) No. 4 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel; and

(b) No. 2 Storage of motor vehicle gasoline and having individual tank capacities of 2,000 gallons (7.6 cubic meters) or less.

STATE ONLY ENFORCEABLE REQUIREMENTS

Emissions Unit Number(s): Facility-wide

This section of the permit contains state-only enforceable requirements. The requirements in this section will not be enforced by the U.S. Environmental Protection Agency. The requirements in this section are not subject to COMAR 26.11.03 10 - Public Petitions for Review to EPA Regarding Part 70 Permits.

Applicable Regulations/limits:

1. COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that nuisance or air pollution is created.

2. COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that the emissions will unreasonably endanger human health.
   Note: *Condition (2) does not apply to sources that are exempt under COMAR 26.11.15.03 B., i.e., gasoline refueling stations & fuel burning equipment*.

{Conditions 3 & 4, below applies to the emergency generators EUs # 19 & 20, and to the "black-start engines, EU Nos. 4, 5, & 6}

3. COMAR 26.11.36.03A(1), which establishes that the Permittee may not operate an emergency generator except for emergencies, testing and maintenance purposes.

4. COMAR 26.11.36.03A(5), which establishes that the Permittee may not operate an emergency generator for testing and engine maintenance purposes between 12:01 a.m. and 2:00 p.m. on any day on which the Department forecasts that the air quality will be a code orange, code red, or code purple unless the engine fails a test and engine maintenance and a re-test are necessary.

5. Operating Conditions:
   (Compliance Requirement for Solar – Titan 130 CTs)
   The Permittee shall modify the CT exhaust stacks in accordance with the letter to the Department (referenced) by removing the curved sections of the stacks (aka "goose necks") and replacing them with straight sections.
   [Reference: Letter from SSA to Ralph Hall – dated Jan 8, 2008, received Jan 10, 2008]

Compliance Demonstration:

6. In order to satisfy the odor and nuisance requirements the Permittee shall install a load bank in accordance with letter to the Department (referenced) to allow the generators to operate at higher efficiencies and thus reduce emissions and odors

   [Reference: Letter from SSA to Mitchell Gregor – dated May 29, 2008, received May 30, 2008]

7. In order to satisfy the requirements of Conditions 3 & 4, above, the Permittee shall keep records of the hours and time of operation and reason for operation, for each emergency generator and black-start engine, and shall make them available to the Department upon request.

Testing and Monitoring: {See Record Keeping and Reporting, Condition 4, below.}

Record Keeping and Reporting:

7. The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee's facility during the previous calendar year. The analysis shall include either:

   (a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or

   (b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

Wes Moore
Governor

Serena McIlwain
Secretary

Air and Radiation Administration
1800 Washington Boulevard, Suite 720
Baltimore, MD 21230

[ ] Construction Permit

[X] Part 70 Operating Permit

PERMIT NO. 24-005-0282

DATE ISSUED TBD

PERMIT FEE To be paid in accordance with COMAR 26.11.02.19B(b)

EXPIRATION DATE January 31, 2030

LEGAL OWNER & ADDRESS

Social Security Administration
6201 Security Blvd
Baltimore, MD 21235
Attn: Ms. Candice Thompson, Director of EHS

SITE

Social Security Administration
6201 Security Blvd
Baltimore, MD 21235
AI #1821

SOURCE DESCRIPTION

Social Security Administration (SSA) Headquarters facility.

This source is subject to the conditions described on the attached pages.

Program Manager

Director, Air and Radiation Administration

SECTION I SOURCE IDENTIFICATION

1. DESCRIPTION OF FACILITY

The Social Security Administration processes Social Security checks and claims and provides office and administrative support services. The Social Security Administration operates its Perimeter East Building that houses the computer system that processes financial transactions for the Administration. The computer system power supply is backed up by (3) Solar – Titan 130 kerosene fired combustion turbines (CTs) , each rated at 15 MW and each is equipped with a 749-bhp/500 kW “black-start” I/C engine. The CT units are equipped with dry low NOx combustion technology.

The CT generators are used to provide emergency power to maintain operation of the headquarters campus in the event of a power outage due to storms, peak demand periods during the summer, power curtailments from the utility, and other unforeseen outages. The Social Security Administration's procedures for running on emergency power require that two generators are simultaneously run. By running two generators, operations are protected in case one generator goes off line because the second would continue to hold the load with no interruption. The building load is approximately 5 megawatts. With two generators running each generator is only producing 2.5 megawatts.

The Social Security Administration also operates its central boiler plant located in the Altmeyer Building. The plant consists of (2) Erie City Iron Works boilers rated at 27 million Btu per hour each (Registration Nos. 5-0074 & 5-0075), (1) Cleaver Brooks boiler rated at 32 million Btu per hour, (1) Babcock & Wilcox boiler rated at 18.7 million Btu per hour of heat input (replaced an 18.2 million Btu per hour English Boiler & Tube boiler), and (2) 750-kW/1,200 Bhp Cummins emergency diesel generators. The facility also operates a number of smaller boilers throughout the facility and an underground gasoline/E-85 storage tank.

2. FACILITY INVENTORY LIST

Emissions Unit Number	MDE Registration Number	Emissions Unit Name and Description	Date of Installation
1	9-1180	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW– Utility Bldg.	12/2003
2	9-1181	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW– Utility Bldg	09/2005
3	9-1182	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW – Utility Bldg	05/2006
4	9-1668	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
5	9-1669	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
6	9-1670	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
7	5-2377	Hurst – 5 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
8	5-2378	Hurst – 5 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
9	5-2358	Fulton – 3.6 MMBH natural gas fired boiler – Supply Bldg.	08/2014
10	5-2359	Fulton – 3.6 MMBH natural gas fired boiler – Supply Bldg.	08/2014
12	5-0889	Cleaver Brooks - 32 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1979 / Mod 09/2016
13	5-0074	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler -Altmeyer Bldg	1958 / Mod 09/2016
14	5-0075	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1958 / Mod 09/2016
15	5-2302	Babcock & Wilcox - 18.7 MMBH - dual (N.G. – Primary/ No. 2 oil – Backup) Altmeyer Bldg	2012
16	5-2582	Lochinvar boiler - 1.9 MMBH – natural gas fired boiler - Day Care Bldg.	2002
17	5-1737	Lochinvar boiler - 1.9 MMBH - natural gas fired boiler - Day Care Bldg.	2003
18	9-0403	20,000 gal. Gasoline/E-85 UST - West Complex U-Lot	1994
19	9-1436	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012
20	9-1437	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012

SECTION II GENERAL CONDITIONS

1. DEFINITIONS

[COMAR 26.11.01.01] and [COMAR 26.11.02.01]

The words or terms in this Part 70 permit shall have the meanings established under COMAR 26.11.01 and .02 unless otherwise stated in this permit.

2. ACRONYMS

ARA	Air and Radiation Administration
BACT	Best Available Control Technology
Btu	British thermal unit
CAA	Clean Air Act
CAM	Compliance Assurance Monitoring
CEM	Continuous Emissions Monitor
CFR	Code of Federal Regulations
CO	Carbon Monoxide
COMAR	Code of Maryland Regulations
EPA	United States Environmental Protection Agency
FR	Federal Register
gr	grains
HAP	Hazardous Air Pollutant
MACT	Maximum Achievable Control Technology
MDE	Maryland Department of the Environment
MVAC	Motor Vehicle Air Conditioner
NESHAPS	National Emission Standards for Hazardous Air Pollutants
NO_x	Nitrogen Oxides
NSPS	New Source Performance Standards
NSR	New Source Review
OTR	Ozone Transport Region
PM	Particulate Matter
PM10	Particulate Matter with Nominal Aerodynamic Diameter of 10 micrometers or less
ppm	parts per million
ppb	parts per billion
PSD	Prevention of Significant Deterioration
PTC	Permit to construct
PTO	Permit to operate (State)
SIC	Standard Industrial Classification
SO_2	Sulfur Dioxide
TAP	Toxic Air Pollutant
tpy	tons per year
VE	Visible Emissions
VOC	Volatile Organic Compounds

3. EFFECTIVE DATE

The effective date of the conditions in this Part 70 permit is the date of permit issuance, unless otherwise stated in the permit.

4. PERMIT EXPIRATION

[COMAR 26.11.03.13B(2)]

Upon expiration of this permit, the terms of the permit will automatically continue to remain in effect until a new Part 70 permit is issued for this facility provided that the Permittee has submitted a timely and complete application and has paid applicable fees under COMAR 26.11.02.16.

Otherwise, upon expiration of this permit the right of the Permittee to operate this facility is terminated.

5. PERMIT RENEWAL

[COMAR 26.11.03.02B(3)] and [COMAR 26.11.03.02E]

The Permittee shall submit to the Department a completed application for renewal of this Part 70 permit at least 12 months before the expiration of the permit. Upon submitting a completed application, the Permittee may continue to operate this facility pending final action by the Department on the renewal.

The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall submit such supplementary facts or corrected information no later than 10 days after becoming aware that this occurred. The Permittee shall also provide additional information as necessary to address any requirements that become applicable to the facility after the date a completed application was submitted, but prior to the release of a draft permit. This information shall be submitted to the Department no later than 20 days after a new requirement has been adopted.

6. CONFIDENTIAL INFORMATION

[COMAR 26.11.02.02G]

In accordance with the provisions of the State Government Article, Sec. 10-611 et seq., Annotated Code of Maryland, all information submitted in an application shall be considered part of the public record and available for inspection and copying, unless the Permittee claims that the information is confidential when it is submitted to the Department. At the time of the request for inspection or copying, the Department will make a determination with regard to the confidentiality of the

information. The Permittee, when requesting confidentiality, shall identify the information in a manner specified by the Department and, when requested by the Department, promptly provide specific reasons supporting the claim of confidentiality. Information submitted to the Department without a request that the information be deemed confidential may be made available to the public. Subject to approval of the Department, the Permittee may provide a summary of confidential information that is suitable for public review. The content of this Part 70 permit is not subject to confidential treatment.

7. PERMIT ACTIONS

[COMAR 26.11.03.06E(3)] and [COMAR 26.11.03.20(A)]

This Part 70 permit may be revoked or reopened and revised for cause. The filing of an application by the Permittee for a permit revision or renewal; or a notification of termination, planned changes or anticipated noncompliance by the facility, does not stay a term or condition of this permit.

The Department shall reopen and revise, or revoke the Permittee's Part 70 permit under the following circumstances:

a. Additional requirements of the Clean Air Act become applicable to this facility and the remaining permit term is 3 years or more;

b. The Department or the EPA determines that this Part 70 permit contains a material mistake, or is based on false or inaccurate information supplied by or on behalf of the Permittee;

c. The Department or the EPA determines that this Part 70 permit must be revised or revoked to assure compliance with applicable requirements of the Clean Air Act; or

d. Additional requirements become applicable to an affected source under the Federal Acid Rain Program.

8. PERMIT AVAILABILITY

[COMAR 26.11.02.13G]

The Permittee shall maintain this Part 70 permit in the vicinity of the facility for which it was issued, unless it is not practical to do so, and make this permit immediately available to officials of the Department upon request.

9. REOPENING THE PART 70 PERMIT FOR CAUSE BY THE EPA

[COMAR 26.11.03.20B]

The EPA may terminate, modify, or revoke and reissue a permit for cause as prescribed in 40 CFR §70.7(g)

10. TRANSFER OF PERMIT

[COMAR 26.11.02.02E]

The Permittee shall not transfer this Part 70 permit except as provided in COMAR 26.11.03.15.

11. REVISION OF PART 70 PERMITS – GENERAL CONDITIONS

[COMAR 26.11.03.14] and [COMAR 26.11.03.06A(8)]

a. The Permittee shall submit an application to the Department to revise this Part 70 permit when required under COMAR 26.11.03.15 -.17.

b. When applying for a revision to a Part 70 permit, the Permittee shall comply with the requirements of COMAR 26.11.03.02 and .03 except that the application for a revision need include only information listed that is related to the proposed change to the source and revision to the permit. This information shall be sufficient to evaluate the proposed change and to determine whether it will comply with all applicable requirements of the Clean Air Act.

c. The Permittee may not change any provision of a compliance plan or schedule in a Part 70 permit as an administrative permit amendment or as a minor permit modification unless the change has been approved by the Department in writing.

d. A permit revision is not required for a change that is provided for in this permit relating to approved economic incentives, marketable permits, emissions trading, and other similar programs.

12. SIGNIFICANT PART 70 OPERATING PERMIT MODIFICATIONS

[COMAR 26.11.03.17]

The Permittee may apply to the Department to make a significant modification to its Part 70 Permit as provided in COMAR 26.11.03.17 and in accordance with the following conditions:

a. A significant modification is a revision to the federally enforceable provisions in the permit that does not qualify as an administrative permit amendment under COMAR 26.11.03.15 or a minor permit modification as defined under COMAR 26.11.03.16.

b. This permit does not preclude the Permittee from making changes, consistent with the provisions of COMAR 26.11.03, that would make the permit or particular terms and conditions of the permit irrelevant, such as by shutting down or reducing the level of operation of a source or of an emissions unit within the source. Air pollution control equipment shall not be shut down or its level of operation reduced if doing so would violate any term of this permit.

c. Significant permit modifications are subject to all requirements of COMAR 26.11.03 as they apply to permit issuance and renewal, including the requirements for applications, public participation, and review by affected states and EPA, except:

(1) An application need include only information pertaining to the proposed change to the source and modification of this permit, including a description of the change and modification, and any new applicable requirements of the Clean Air Act that will apply if the change occurs;

(2) Public participation, and review by affected states and EPA, is limited to only the application and those federally enforceable terms and conditions of the Part 70 permit that are affected by the significant permit modification.

d. As provided in COMAR 26.11.03.15B(5), an administrative permit amendment may be used to make a change that would otherwise require a significant permit modification if procedures for enhanced preconstruction review of the change are followed that satisfy the requirements of 40 CFR 70.7(d)(1)(v).

e. Before making a change that qualifies as a significant permit modification, the Permittee shall obtain all permits-to-construct and approvals required by COMAR 26.11.02.

f. The Permittee shall not make a significant permit modification that results in a violation of any applicable requirement of the Clean Air Act.

g. The permit shield in COMAR 26.11.03.23 applies to a final significant permit modification that has been issued by the Department, to the extent applicable under COMAR 26.11.03.23.

13. MINOR PERMIT MODIFICATIONS

[COMAR 26.11.03.16]

The Permittee may apply to the Department to make a minor modification to the federally enforceable provisions of this Part 70 permit as provided in COMAR 26.11.03.16 and in accordance with the following conditions:

a. A minor permit modification is a Part 70 permit revision that:

(1) Does not result in a violation of any applicable requirement of the Clean Air Act;

(2) Does not significantly revise existing federally enforceable monitoring, including test methods, reporting, record keeping, or compliance certification requirements except by:

(a) Adding new requirements,

(b) Eliminating the requirements if they are rendered meaningless because the emissions to which the requirements apply will no longer occur, or

(c) Changing from one approved test method for a pollutant and source category to another;

(3) Does not require or modify a:

(a) Case-by-case determination of a federally enforceable emissions standard,

(b) Source specific determination for temporary sources of ambient impacts, or

(c) Visibility or increment analysis;

(4) Does not seek to establish or modify a federally enforceable permit term or condition for which there is no corresponding underlying applicable requirement of the Clean Air Act, but that the Permittee has assumed to avoid an applicable requirement to which the source would otherwise be subject, including:

(a) A federally enforceable emissions standard applied to the source pursuant to COMAR 26.11.02.03 to avoid classification as a Title I modification; and

(b) An alternative emissions standard applied to an emissions unit pursuant to regulations promulgated under Section 112(i)(5) of the Clean Air Act

(5) Is not a Title I modification; and

(6) Is not required under COMAR 26.11.03.17 to be processed as a significant modification to this Part 70 permit.

b. Application for a Minor Permit Modification

The Permittee shall submit to the Department an application for a minor permit modification that satisfies the requirements of COMAR 26.11.03.03 which includes the following:

(1) A description of the proposed change, the emissions resulting from the change, and any new applicable requirements that will apply if the change is made;

(2) The proposed minor permit modification;

(3) Certification by a responsible official, in accordance with COMAR 26.11.02.02F, that:

(a) The proposed change meets the criteria for a minor permit modification, and

(b) The Permittee has obtained or applied for all required permits-to-construct required by COMAR 26.11.03.16 with respect to the proposed change;

(4) Completed forms for the Department to use to notify the EPA and affected states, as required by COMAR 26.11.03.07-.12.

c. Permittee's Ability to Make Change

(1) For changes proposed as minor permit modifications to this permit that will require the applicant to obtain a permit to construct, the permit to construct must be issued prior to the new change.

(2) During the period of time after the Permittee applies for a minor modification but before the Department acts in accordance with COMAR 26.11.03.16F(2):

(a) The Permittee shall comply with applicable requirements of the Clean Air Act related to the change and the permit terms and conditions described in the application for the minor modification.

(b) The Permittee is not required to comply with the terms and conditions in the permit it seeks to modify. If the Permittee fails to comply with the terms and conditions in the application during this time, the terms and conditions of both this permit and the application for modification may be enforced against it.

d. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.16 is not within the scope of this regulation.

e. Minor permit modification procedures may be used for Part 70 permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, but only to the extent that the minor permit modification procedures are explicitly provided for in regulations approved by the EPA as part of the Maryland SIP or in other applicable requirements of the Clean Air Act.

14. ADMINISTRATIVE PART 70 OPERATING PERMIT AMENDMENTS

[COMAR 26.11.03.15]

The Permittee may apply to the department to make an administrative permit amendment as provided in COMAR 26.11.03.15 and in accordance with the following conditions:

a. An application for an administrative permit amendment shall:

(1) Be in writing;

(2) Include a statement certified by a responsible official that the proposed amendment meets the criteria in COMAR 26.11.03.15 for an administrative permit amendment, and

(3) Identify those provisions of this part 70 permit for which the amendment is requested, including the basis for the request.

b. An administrative permit amendment:

(1) Is a correction of a typographical error;

(2) Identifies a change in the name, address, or phone number of a person identified in this permit, or a similar administrative change involving the Permittee or other matters which are not directly related to the control of air pollution;

(3) requires more frequent monitoring or reporting by the Permittee;

(4) Allows for a change in ownership or operational control of a source for which the Department determines that no other revision to the permit is necessary and is documented as per COMAR 26.11.03.15B(4);

(5) Incorporates into this permit the requirements from preconstruction review permits or approvals issued by the Department in accordance with COMAR 26.11.03.15B(5), but only if it satisfies 40 CFR 70.7(d)(1)(v);

(6) Incorporates any other type of change, as approved by the EPA, which is similar to those in COMAR 26.11.03.15B(1)—(4);

(7) Notwithstanding COMAR 26.11.03.15B(1)—(6), all modifications to acid rain control provisions included in this Part 70 permit are governed by applicable requirements promulgated under Title IV of the Clean Air Act; or

(8) Incorporates any change to a term or condition specified as State-only enforceable, if the Permittee has obtained all necessary permits-to-construct and approvals that apply to the change.

c. The Permittee may make the change addressed in the application for an administrative amendment upon receipt by the Department of the application, if all permits-to-construct or approvals otherwise required by COMAR 26.11.02 prior to making the change have first been obtained from the Department.

d. The permit shield in COMAR 26.11.03.23 applies to administrative permit amendments made under Section B(5) of COMAR 26.11.03.15 , but only after the Department takes final action to revise the permit.

e. The Permittee is subject to enforcement action if it is determined at any time that a change made under COMAR 26.11.03.15 is not within the scope of this regulation.

15. OFF-PERMIT CHANGES TO THIS SOURCE

[COMAR 26.11.03.19]

The Permittee may make off-permit changes to this facility as provided in COMAR 26.11.03.19 and in accordance with the following conditions:

a. The Permittee may make a change to this permitted facility that is not addressed or prohibited by the federally enforceable conditions of this Part 70 permit without obtaining a Part 70 permit revision if:

(1) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;

(2) The change is not subject to any requirements under Title IV of the Clean Air Act;

(3) The change is not a Title I modification; and

(4) The change does not violate an applicable requirement of the Clean Air Act or a federally enforceable term or condition of the permit.

b. For a change that qualifies under COMAR 26.11.03.19, the Permittee shall provide contemporaneous written notice to the Department and the EPA, except for a change to an emissions unit or activity that is exempt from the Part 70 permit application, as provided in COMAR 26.11.03.04. This written notice shall describe the change, including the date it was made, any change in emissions, including the pollutants emitted, and any new applicable requirements of the Clean Air Act that apply as a result of the change.

c. Upon satisfying the requirements of COMAR 26.11.03.19, the Permittee may make the proposed change.

d. The Permittee shall keep a record describing:

(1) Changes made at the facility that result in emissions of a regulated air pollutant subject to an applicable requirement of the Clean Air Act , but not otherwise regulated under this permit; and

(2) The emissions resulting from those changes.

e. Changes that qualify under COMAR 26.11.03.19 are not subject to the requirements for Part 70 revisions.

f. The Permittee shall include each off-permit change under COMAR 26.11.03.19 in the application for renewal of the part 70 permit.

g. The permit shield in COMAR 26.11.03.23 does not apply to off-permit changes made under COMAR 26.11.03.19.

h. The Permittee is subject to enforcement action if it is determined that an off-permit change made under COMAR 26.11.03.19 is not within the scope of this regulation.

16. ON-PERMIT CHANGES TO SOURCES

[COMAR 26.11.03.18]

The Permittee may make on-permit changes that are allowed under Section 502(b)(10) of the Clean Air Act as provided in COMAR 26.11.03.18 and in accordance with the following conditions:

a. The Permittee may make a change to this facility without obtaining a revision to this Part 70 permit if:

(1) The change is not a Title I modification;

(2) The change does not result in emissions in excess of those expressly allowed under the federally enforceable provisions of the Part 70 permit for the permitted facility or for an emissions unit within the facility, whether expressed as a rate of emissions or in terms of total emissions;

(3) The Permittee has obtained all permits and approvals required by COMAR 26.11.02 and .03;

(4) The change does not violate an applicable requirement of the Clean Air Act;

(5) The change does not violate a federally enforceable permit term or condition related to monitoring, including test methods, record keeping, reporting, or compliance certification requirements;

(6) The change does not violate a federally enforceable permit term or condition limiting hours of operation, work practices, fuel usage, raw material usage, or production levels if the term or condition has been established to limit emissions allowable under this permit;

(7) If applicable, the change does not modify a federally enforceable provision of a compliance plan or schedule in this Part 70 permit unless the Department has approved the change in writing; and

(8) This permit does not expressly prohibit the change under COMAR 26.11.03.18.

b. The Permittee shall notify the Department and the EPA in writing of a proposed on-permit change under COMAR 26.11.03.18 not later than 7 days before the change is made. The written information shall include the following information:

(1) A description of the proposed change;

(2) The date on which the change is proposed to be made;

(3) Any change in emissions resulting from the change, including the pollutants emitted;

(4) Any new applicable requirement of the Clean Air Act; and

(5) Any permit term or condition that would no longer apply.

c. The responsible official of this facility shall certify in accordance with COMAR 26.11.02.02F that the proposed change meets the criteria for the use of on-permit changes under COMAR 26.11.03.18.

d. The Permittee shall attach a copy of each notice required by condition b. above to this Part 70 permit.

e. On-permit changes that qualify under COMAR 26.11.03.18 are not subject to the requirements for part 70 permit revisions.

f. Upon satisfying the requirements under COMAR 26.11.03.18, the Permittee may make the proposed change.

g. The permit shield in COMAR 26.11.03.23 does not apply to on-permit changes under COMAR 26.11.03.18.

h. The Permittee is subject to enforcement action if it is determined that an on-permit change made under COMAR 26.11.03.18 is not within the scope of the regulation or violates any requirement of the State air pollution control law.

17. FEE PAYMENT

[COMAR 26.11.02.16A(2) & (5)(b)]

a. The fee for this Part 70 permit is as prescribed in Regulation .19 of COMAR 26.11.02.

b. The fee is due on and shall be paid on or before each 12-month anniversary date of the permit.

c. Failure to pay the annual permit fee constitutes cause for revocation of the permit by the Department.

18. REQUIREMENTS FOR PERMITS-TO-CONSTRUCT AND APPROVALS

[COMAR 26.11.02.09.]

The Permittee may not construct or modify or cause to be constructed or modified any of the following sources without first obtaining, and having in current effect, the specified permits-to-construct and approvals:

a. New Source Review source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;

b. Prevention of Significant Deterioration source, as defined in COMAR 26.11.01.01, approval required, except for generating stations constructed by electric companies;

c. New Source Performance Standard source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;

d. National Emission Standards for Hazardous Air Pollutants source, as defined in COMAR 26.11.01.01, permit to construct required, except for generating stations constructed by electric companies;

e. A stationary source of lead that discharges one ton per year or more of lead or lead compounds measured as elemental lead, permit to construct required, except for generating stations constructed by electric companies;

f. All stationary sources of air pollution, including installations and air pollution control equipment, except as listed in COMAR 26.11.02.10, permit to construct required;

g. In the event of a conflict between the applicability of (a.— e.) above and an exemption listed in COMAR 26.11.02.10, the provision that requires a permit applies.

h. Approval of a PSD or NSR source by the Department does not relieve the Permittee obtaining an approval from also obtaining all permits-to-construct required by (c.— g.) above.

19. CONSOLIDATION OF PROCEDURES FOR PUBLIC PARTICIPATION

[COMAR 26.11.02.11C] and [COMAR 26.11.03.01K]

The Permittee may request the Department to authorize special procedures for the Permittee to apply simultaneously, to the extent possible, for a permit to construct and a revision to this permit.

These procedures may provide for combined public notices, informational meetings, and public hearings for both permits but shall not adversely affect the rights of a person, including EPA and affected states, to obtain information about the application for a permit, to comment on an application, or to challenge a permit that is issued.

These procedures shall not alter any existing permit procedures or time frames.

20. PROPERTY RIGHTS

[COMAR 26.11.03.06E(4)]

This Part 70 permit does not convey any property rights of any sort, or any exclusive privileges.

21. SEVERABILITY

[COMAR 26.11.03.06A(5)]

If any portion of this Part 70 permit is challenged, or any term or condition deemed unenforceable, the remainder of the requirements of the permit continues to be valid.

22. INSPECTION AND ENTRY

[COMAR 26.11.03.06G(3)]

The Permittee shall allow employees and authorized representatives of the Department, the EPA, and local environmental health agencies, upon presentation of credentials or other documents as may be required by law, to:

a. Enter at a reasonable time without delay and without prior notification the Permittee's property where a Part 70 source is located, emissions-related activity is conducted, or records required by this permit are kept;

b. Have access to and make copies of records required by the permit;

c. Inspect all emissions units within the facility subject to the permit and all related monitoring systems, air pollution control equipment, and practices or operations regulated or required by the permit; and

d. Sample or monitor any substances or parameters at or related to the emissions units at the facility for the purpose of determining compliance with the permit.

23. DUTY TO PROVIDE INFORMATION

[COMAR 26.11.03.06E(5)]

The Permittee shall furnish to the Department, within a reasonable time specified by the Department, information requested in writing by the Department in order to determine whether the Permittee is in compliance with the federally enforceable conditions of this Part 70 permit, or whether cause exists for revising or revoking the permit. Upon request, the Permittee shall also furnish to the Department records required to be kept under the permit.

For information claimed by the Permittee to be confidential and therefore potentially not discloseable to the public, the Department may require the Permittee to provide a copy of the records directly to the EPA along with a claim of confidentiality.

The Permittee shall also furnish to the Department, within a reasonable time specified by the Department, information or records requested in writing by the Department in order to determine if the Permittee is in compliance with the State-only enforceable conditions of this permit.

24. COMPLIANCE REQUIREMENTS

[COMAR 26.11.03.06E(1)] and [COMAR 26.11.03.06A(11)] and [COMAR 26.11.02.05]

The Permittee shall comply with the conditions of this Part 70 permit. Noncompliance with the permit constitutes a violation of the Clean Air Act, and/or the Environment Article Title 2 of the Annotated Code of Maryland and may subject the Permittee to:

a. Enforcement action,

b. Permit revocation or revision,

c. Denial of the renewal of a Part 70 permit, or

d. Any combination of these actions.

The conditions in this Part 70 permit are enforceable by EPA and citizens under the Clean Air Act except for the State-only enforceable conditions.

Under Environment Article Section 2-609, Annotated Code of Maryland, the Department may seek immediate injunctive relief against a person who violates this permit in such a manner as to cause a threat to human health or the environment.

25. CREDIBLE EVIDENCE

Nothing in this permit shall be interpreted to preclude the use of credible evidence to demonstrate noncompliance with any term of this permit.

26. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE

[COMAR 26.11.03.06E(2)]

The need to halt or reduce activity in order to comply with the conditions of this permit may not be used as a defense in an enforcement action.

27. CIRCUMVENTION

[COMAR 26.11.01.06]

The Permittee may not install or use any article, machine, equipment or other contrivance, the use of which, without resulting in a reduction in the total weight of emissions, conceals or dilutes emissions which would otherwise constitute a violation of any applicable air pollution control regulation.

28. PERMIT SHIELD

[COMAR 26.11.03.23]

A permit shield as described in COMAR 26.11.03.23 shall apply only to terms and conditions in this Part 70 permit that have been specifically identified as covered by the permit shield. Neither this permit nor COMAR 26.11.03.23 alters the following:

a. The emergency order provisions in Section 303 of the Clean Air Act, including the Reference of EPA under that section;

b. The liability of the Permittee for a violation of an applicable requirement of the Clean Air Act before or when this permit is issued or for a violation that continues after issuance;

c. The requirements of the Acid Rain Program, consistent with Section 408(a) of the Clean Air Act;

d. The ability of the Department or EPA to obtain information from a source pursuant to Maryland law and Section 114 of the Clean Air Act; or

e. The Reference of the Department to enforce an applicable requirement of the State air pollution control law that is not an applicable requirement of the Clean Air Act.

29. ALTERNATE OPERATING SCENARIOS

[COMAR 26.11.03.06A(9)]

For all alternate operating scenarios approved by the Department and contained within this permit, the Permittee, while changing from one approved scenario to another, shall contemporaneously record in a log maintained at the facility each scenario under which the emissions unit is operating and the date and time the scenario started and ended.

SECTION III PLANT WIDE CONDITIONS

1. PARTICULATE MATTER FROM CONSTRUCTION AND DEMOLITION

[COMAR 26.11.06.03D]

The Permittee shall not cause or permit any building, its appurtenances, or a road to be used, constructed, altered, repaired, or demolished without taking reasonable precautions to prevent particulate matter from becoming airborne.

2. OPEN BURNING

[COMAR 26.11.07]

Except as provided in COMAR 26.11.07.04, the Permittee shall not cause or permit an open fire from June 1 through August 31 of any calendar year. Prior to any open burning, the Permittee shall request and receive approval from the Department.

3. AIR POLLUTION EPISODE

[COMAR 26.11.05.04]

When requested by the Department, the Permittee shall prepare in writing standby emissions reduction plans, consistent with good industrial practice and safe operating procedures, for reducing emissions creating air pollution during periods of Alert, Warning, and Emergency of an air pollution episode.

4. REPORT OF EXCESS EMISSIONS AND DEVIATIONS

[COMAR 26.11.01.07] and [COMAR 26.11.03.06C(7)]

The Permittee shall comply with the following conditions for occurrences of excess emissions and deviations from requirements of this permit, including those in Section VI – State-only Enforceable Conditions:

a. Report any deviation from permit requirements that could endanger human health or the environment, by orally notifying the Department immediately upon discovery of the deviation;

b. Promptly report all occurrences of excess emissions that are expected to last for one hour or longer by orally notifying the Department of the onset and termination of the occurrence;

c. When requested by the Department the Permittee shall report all deviations from permit conditions, including those attributed to malfunctions as defined in COMAR 26.11.01.07A, within 5 days of the request by submitting a written description of the deviation to the Department. The written report shall include the cause, dates and times of the onset and termination of the deviation, and an account of all actions planned or taken to reduce, eliminate, and prevent recurrence of the deviation;

d. The Permittee shall submit to the Department semi-annual monitoring reports that confirm that all required monitoring was performed, and that provide accounts of all deviations from permit requirements that occurred during the reporting periods. Reporting periods shall be January 1 through June 30 and July 1 through December 31, and reports shall be submitted within 30 days of the end of each reporting period. Each account of deviation shall include a description of the deviation, the dates and times of onset and termination, identification of the person who observed or discovered the deviation, causes and corrective actions taken, and actions taken to prevent recurrence. If no deviations from permit conditions occurred during a reporting period, the Permittee shall submit a written report that so states.

e. When requested by the Department, the Permittee shall submit a written report to the Department within 10 days of receiving the request concerning an occurrence of excess emissions. The report shall contain the information required in COMAR 26.11.01.07D(2).

5. ACCIDENTAL RELEASE PROVISIONS

[COMAR 26.11.03.03B(23)] and [40 CFR 68]

Should the Permittee become subject to 40 CFR 68 during the term of this permit, the Permittee shall submit risk management plans by the date specified in 40 CFR 68.150 and shall certify compliance with the requirements of 40 CFR 68 as part of the annual compliance certification as required by 40 CFR 70.

The Permittee shall initiate a permit revision or reopening according to the procedures of 40 CFR 70.7 to incorporate appropriate permit conditions into the Permittee's Part 70 permit.

6. GENERAL TESTING REQUIREMENTS

[COMAR 26.11.01.04]

The Department may require the Permittee to conduct, or have conducted, testing to determine compliance with this Part 70 permit. The Department, at its option, may witness or conduct these tests. This testing shall be done at a

reasonable time, and all information gathered during a testing operation shall be provided to the Department.

7. EMISSIONS TEST METHODS

[COMAR 26.11.01.04]

Compliance with the emissions standards and limitations in this Part 70 permit shall be determined by the test methods designated and described below or other test methods submitted to and approved by the Department.

Reference documents of the test methods approved by the Department include the following:

a. 40 CFR 60, appendix A

b. 40 CFR 51, appendix M

c. The Department's Technical Memorandum 91-01 "Test Methods and Equipment Specifications for Stationary Sources", (January 1991), as amended through Supplement 3, (October 1, 1997)

8. EMISSIONS CERTIFICATION REPORT

[COMAR 26.11.01.05-1] and [COMAR 26.11.02.19C] and [COMAR 26.11.02.19D]

The Permittee shall certify actual annual emissions of regulated pollutants from the facility on a calendar year basis.

a. The certification shall be on forms obtained from the Department and submitted to the Department not later than April 1 of the year following the year for which the certification is required;

b. The individual making the certification shall certify that the information is accurate to the individual's best knowledge. The individual shall be:

   (1) Familiar with each source for which the certifications forms are submitted, and

   (2) Responsible for the accuracy of the emissions information;

c. The Permittee shall maintain records necessary to support the emissions certification including the following information if applicable:

   (1) The total amount of actual emissions of each regulated pollutant and the total of all regulated pollutants;

(2) An explanation of the methods used to quantify the emissions and the operating schedules and production data that were used to determine emissions, including significant assumptions made;

(3) Amounts, types and analyses of all fuels used;

(4) Emissions data from continuous emissions monitors that are required by this permit, including monitor calibration and malfunction information;

(5) Identification, description, and use records of all air pollution control equipment and compliance monitoring equipment including:

(a) Significant maintenance performed,
(b) Malfunctions and downtime, and
(c) Episodes of reduced efficiency of all equipment;

(6) Limitations on source operation or any work practice standards that significantly affect emissions; and

(7) Other relevant information as required by the Department.

9. COMPLIANCE CERTIFICATION REPORT

[COMAR 26.11.03.06G(6) and (7)]

The Permittee shall submit to the Department and EPA Region III a report certifying compliance with each term of this Part 70 permit including each applicable standard, emissions limitation, and work practice for the previous calendar year by April 1 of each year.

a. The compliance certification shall include:

(1) The identification of each term or condition of this permit which is the basis of the certification;

(2) The compliance status;

(3) Whether the compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of each source, currently and over the reporting period; and

(5) Any other information required to be reported to the Department that is necessary to determine the compliance status of the Permittee with this permit.

b. The Permittee shall submit the compliance certification reports to the Department and EPA simultaneously.

10. CERTIFICATION BY RESPONSIBLE OFFICIAL

[COMAR 26.11.02.02F]

All application forms, reports, and compliance certifications submitted pursuant to this permit shall be certified by a responsible official as to truth, accuracy, and completeness. The Permittee shall expeditiously notify the Department of an appointment of a new responsible official.

The certification shall be in the following form:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

11. SAMPLING AND EMISSIONS TESTING RECORD KEEPING

[COMAR 26.11.03.06C(5)]

The Permittee shall gather and retain the following information when sampling and testing for compliance demonstrations:

a. The location as specified in this permit, and the date and time that samples and measurements are taken;

b. All pertinent operating conditions existing at the time that samples and measurements are taken;

c. The date that each analysis of a sample or emissions test is performed and the name of the person taking the sample or performing the emissions test;

d. The identity of the Permittee, individual, or other entity that performed the analysis;

e. The analytical techniques and methods used; and

f. The results of each analysis.

12. GENERAL RECORDKEEPING

[COMAR 26.11.03.06C(6)]

The Permittee shall retain records of all monitoring data and information that support the compliance certification for a period of five (5) years from the date that the monitoring, sample measurement, application, report or emissions test was completed or submitted to the Department.

These records and support information shall include:

a. All calibration and maintenance records;

b. All original data collected from continuous monitoring instrumentation;

c. Records which support the annual emissions certification; and

d. Copies of all reports required by this permit.

13. GENERAL CONFORMITY

[COMAR 26.11.26.09]
The Permittee shall comply with the general conformity requirements of 40 CFR 93, Subpart B and COMAR 26.11.26.09.

14. ASBESTOS PROVISIONS

[40 CFR 61, Subpart M]

The Permittee shall comply with 40 CFR 61, Subpart M when conducting any renovation or demolition activities at the facility.

15. OZONE DEPLETING REGULATIONS

[40 CFR 82, Subpart F]

The Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for MVACs in subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the prohibitions and required practices pursuant to 40 CFR 82.154 and 82.156.

b. Equipment used during the maintenance, service, repair or disposal of appliances shall comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

c. Persons performing maintenance, service, repairs or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.

d. Persons performing maintenance, service, repairs or disposal of appliances shall certify with the Administrator pursuant to 40 CFR 82.162.

e. Persons disposing of small appliances, MVACS, and MVAC-like appliances as defined in 40 CFR 82.152, shall comply with record keeping requirements pursuant to 40 CFR 82.166.

f. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.

g. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

16. ACID RAIN PERMIT

Not applicable

SECTION IV PLANT SPECIFIC CONDITIONS

This section provides tables that include the emissions standards, emissions limitations, and work practices applicable to each emissions unit located at this facility. The Permittee shall comply with all applicable emissions standards, emissions limitations and work practices included herein.

The tables also include testing, monitoring, record keeping and reporting requirements specific to each emissions unit. In addition to the requirements included here in **Section IV**, the Permittee is also subject to the general testing, monitoring, record keeping and reporting requirements included in **Section III – Plant Wide Conditions** of this permit.

Unless otherwise provided in the specific requirements for an emissions unit, the Permittee shall maintain at the facility for at least five (5) years, and shall make available to the Department upon request, all records that the Permittee is required under this section to establish. **[Reference: COMAR 26.11.03.06C(5)(g)]**

Table IV – 1	
1.0	**Emissions Unit Number(s): EU #'s (1), (2), and (3)** **MDE Reg. No. 005-0282-9-1180, 9-1181, & 9-1182** Installed in 2003, 2005, and 2006, respectively. Three (3) Solar – Titan 130 kerosene-fired gas fired gas turbine, rated at 15 MW, installed at the Utility Building.
1.1	**Applicable Standards/Limits:** **A. Control of Visible Emissions** **Fuel Burning Equipment**. – **[COMAR 26.11.09.05(A)(2)]** "(2) In Areas III and IV, a person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity. (3) Exceptions. Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if: (a) The visible emissions are not greater than 40 percent opacity; and (b) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

Table IV – 1

B. Control of Sulfur Oxides

(1) SOx Standard. 40 CFR – Subpart KKKK Sec. 60.4330

"(a) If your turbine is located in a continental area, you must comply with either paragraph (a)(1) or (a)(2) of this section:

(1) You must not cause to be discharged into the atmosphere from the subject stationary combustion turbine any gases which contain SO_2 in excess of **110 nanograms per Joule (ng/J) (0.90 pounds per megawatt-hour (lb/MWh)) gross output**, or

(2) You must not burn in the subject stationary combustion turbine any fuel which contains total potential sulfur emissions in excess of **26 ng SO_2 /J (0.060 lb SO_2 /MMBtu) heat input**. If your turbine simultaneously fires multiple fuels, each fuel must meet this requirement."

Note (1): The Permittee may satisfy this requirement by meeting the fuel oil sulfur content limitation of 0.05% by weight as specified under § 60.4365 . [Reference: Section 1.3 B.]

(2) COMAR 26.11.09.07A(2)(b) – "Sulfur Content Limitations for Fuels. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of 0.3 percent for distillate fuel oils." **(2)**

Note (2): Since the COMAR requirement is less stringent the NSPS Subpart KKKK Sulfur Control requirements, therefore, the NSPS requirement shall apply.

(3) COMAR 26.11.09.07 C. - Request for Analyses. Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation.

C. Control of Nitrogen Oxides

(1) **40 CFR 60 – Subpart KKKK - §60.4320** - What emission limits must I meet for nitrogen oxides (NO_X)?
(a) You must meet the emission limits for NO_X specified in Table 1 to this subpart.

Table IV – 1

TABLE 1 TO SUBPART KKKK OF PART 60—NITROGEN OXIDE EMISSION LIMITS FOR NEW STATIONARY COMBUSTION TURBINES

Combustion turbine type	Combustion turbine heat input at peak load (HHV)	NO_X emission standard
New turbine firing fuels other than natural gas (i.e., K1).	> 50 MMBtu/h and ≤ 850 MMBtu/h	74 ppm at 15 percent O2 or 460 ng/J of useful output (3.6 lb/MWh)

[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]

(2) COMAR 26.11.09.08G(2) - Control of NOx Emissions for Major Stationary Sources - "Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less, and Combustion Turbines with a Capacity Factor Greater than 15 Percent.**(3)**

A person who owns or operates a combustion turbine with a capacity factor greater than 15 percent shall meet an hourly average NO_x emission rate of not more than 42 ppm when burning gas or ***65 ppm when burning fuel oil*** (dry volume at 15 percent oxygen) or meet applicable Prevention of Significant Deterioration limits, whichever is more restrictive."

[40CFR72.2] ***Capacity factor*** means either: (1) the ratio of a unit's actual annual electric output (expressed in MWe-hr) to the unit's nameplate capacity times 8760 hours, or (2) the ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum design heat input (in million British thermal units per hour or equivalent units of measure) times 8,760 hours.

Note (3): If capacity factor is less than 15%, then the COMAR NO_X emissions limits do not apply. If units are operated as "emergency combustion turbines' as defined in Subpart KKKK, then Subpart KKKK NO_X standard does not apply.

D. Operational Limitations:

(General Operating Requirements)

(1) The Permittee shall burn only kerosene and/or natural gas in the combustion turbines and in the Black-Start engines.

(2) The CT generators may be operated as needed to provide emergency or non-emergency power; including but not limited to, an event of a power outage due to storms, peak

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	demand periods during the summer (peak-load shaving), and power curtailments from the utility, etc. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]** (3) General Compliance Requirements - Sec. 60.4333 "You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction." **[Reference: 40 CFR 60, Subpart KKKK]** **(Synthetic Minor Requirements for New Source Review (NSR) Exemption)** (1) In order to exempt the gas turbine generator sets from the requirements of COMAR 26. 11. 17 - Requirements for Major New Sources and Modifications, and prevent the gas turbines from operating as a "Major Stationary Source" of NOx emissions as defined under COMAR 26.11.17.01B(13), the Permittee shall limit the NOx emissions from the gas turbine generator sets, including the "black-start" engines, to less than 25 tons per year, for any 12-month consecutive period. (2) In order to demonstrate compliance with the emissions limitations requirement for exemption from New Source Review (NSR), the Permittee shall calculate and record the NO_X emissions from the combustion turbine generator sets, for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]**
1.2	**Testing Requirements:** A. Control of Visible Emissions: {See Monitoring Requirements – Condition 1.3 A., below} B. Control of Sulfur Oxides: **40 CFR 60 Subpart KKKK**- If the Permittee chooses to periodically determine the sulfur content of the fuel combusted in the turbine, the Permittee shall conduct initial and subsequent performance test for sulfur in accordance with the methodologies specified in 40 CFR § 60.4415.

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Note (4): The Permittee shall satisfy this requirement by maintaining records that they meet the fuel oil sulfur content limitation of 0.05% by weight as specified under § 60.4365 [Reference: 40 CFR § 60.4365]

C. Control of Nitrogen Oxides:

(1) The Permittee shall conduct testing on at least one of the CT units, once during the term of the operating permit, and the testing shall be completed and the results submitted the Department at least one year prior to the expiration of the operating permit.

(2) The Permittee shall conduct performance test for NO_X in accordance with the methodologies specified in 40 CFR §60.4400 unless the Administrator specifies or approves, in specific cases, an alternative reference method.

(3) The Permittee shall provide the Department with two copies of the test protocols at least 30 days prior to any scheduled performance tests.

(4) The Permittee shall provide the Department at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days' notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (the Department) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (the Department) by mutual agreement.

(5) The Permittee shall submit a written report to the Department of the results of each performance test before the close of business on the 60th day following the completion of the performance test.

[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182 & 40 CFR 60 – Subpart KKKK]

D. Operational Limitations:

See Monitoring Requirements – Condition 1.3 D., below}

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1.3	**Monitoring Requirements:** A. Control of Visible Emissions: The Permittee shall verify no visible emissions during normal operation. An observer shall perform a 12-minute method 22 like observation of stack emissions once per calendar year, per unit. If emissions are visible to the human observer, the Permittee shall perform the following: (a) inspect the combustion control system and combustion turbine (CT) operations, (b) start all necessary troubleshooting, adjustments and/or repair process to the CT within 48 hours of operation so that visible emissions are eliminated; and (c) document in writing the results of inspections, adjustments and/or repairs to the CT. If the required adjustments and/or repairs have not eliminated the visible emissions, while in normal operation, the Permittee shall perform a ~~1~~ Method 9 observation once daily when the CT is operating for 18 minutes until corrective actions have eliminated the visible emissions. **NOTE:** If the permittee is unable to start troubleshooting and repairing the combustion turbines within 48 hours of operation and visual emission confirmation, permittee must send a notification letter to the MDE with a proposed plan and timeline of the repairs on the combustion turbines. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides: (1) Fuel Sulfur Content Monitoring - The Permittee shall determine sulfur content of the combustion turbines fuel in accordance with **§ 60.4360** that states: "You must monitor the total sulfur content of the fuel being fired in the turbine, except as provided in Sec. 60.4365. The sulfur content of the fuel must be determined using total sulfur methods described in Sec. 60.4415. Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than half the applicable limit, ASTM D4084, D4810, D5504, or D6228, or Gas Processors Association Standard 2377 (all of which are incorporated by reference, see Sec. 60.17), which measure the major sulfur compounds, may be used." (2) Exemption from Fuel Sulfur Content Monitoring - In accordance with **§ 60.4365**: "You may elect not to monitor the total sulfur content of the fuel combusted in the turbine, if the fuel is demonstrated not to exceed potential sulfur emissions of 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input for units located in continental areas. You must use one of the

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following sources of information to make the required demonstration:

(a) The fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for oil use in continental areas is **0.05 weight percent (500 ppmw)** or less and 0.4 weight percent (4,000 ppmw) or less for noncontinental areas, the total sulfur content for natural gas use in continental areas is 20 grains of sulfur or less per 100 standard cubic feet and 140 grains of sulfur or less per 100 standard cubic feet for noncontinental areas, has potential sulfur emissions of less than less than 26 ng SO_2/J (0.060 lb SO_2/MMBtu) heat input for continental areas and has potential sulfur emissions of less than less than 180 ng SO_2/J (0.42 lb SO_2/MMBtu) heat input for noncontinental areas; or

(b) Representative fuel sampling data which show that the sulfur content of the fuel does not exceed **26 ng SO_2/J (0.060 lb SO_2/MMBtu)** heat input for continental areas or 180 ng SO_2/J (0.42 lb SO_2/MMBtu) heat input for noncontinental areas. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

Note : The Permittee may satisfy this requirement by meeting the fuel oil sulfur content limitation of 0.05% by weight as specified under § 60.4365.

(3) Frequency of Sulfur Content Monitoring-
In accordance with **§ 60.4370**: "(b) Gaseous fuel. If you elect not to demonstrate sulfur content using options in Sec. 60.4365, and the fuel is supplied without intermediate bulk storage, the sulfur content value of the gaseous fuel must be determined and recorded once per unit operating day."
[Reference: 40 CFR 60, Subpart KKKK]

(4) COMAR 26.11.09.07 C. - Request for Analyses. Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation.

C. Control of Nitrogen Oxides:

(1) The Permittee shall conduct continuous parameter monitoring as follows: (ii) For any lean premix stationary

Table IV – 1

combustion turbine, you must continuously monitor the appropriate parameters to determine whether the unit is operating in low-NOX mode.
[Reference: 40 CFR § 60.4340 - Subpart KKKK]

Note: The Titan CTs are designed and integrally equipped with Dry Low NO_X injectors and are incapable of operating without the Dry Low NO_X combustion, therefore there are no parameters to monitor

(Control of NOx Emissions for Major Stationary Sources)

(2) The Permittee shall monitor the combustion turbine operating parameters necessary to determine each unit's annual capacity factor as defined in Section 1.1 C (2). The Permittee shall calculate and record the capacity factor for each gas turbine generator, for each previous calendar month and the average for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month.
[Reference: COMAR 26.11.09.08G]

Capacity Factor: … the ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum design heat input (in million British thermal units per hour or equivalent units of measure) times 8,760 hours.

(4) The Permittee shall monitor the NOx emissions from the flue gases of CT's based on emission factors developed from the stack test or factors taken from the annual emissions certification for each month of operation.

[Reference: COMAR 26.11.03.06C]

D. Operational Limitations:

(Synthetic Minor Requirements for Exemption from NSR)

(1) In order to demonstrate compliance with the emissions limitations requirement for exemption from NSR, the Permittee shall calculate and record the emissions from the gas turbine generator sets & black start engines, for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month.

The Permittee shall monitor and record the following:

Table IV – 1	
	(2) The monthly hours of operation and amount of NOx emissions of each CT and "Black Start" engine, to assure that for the previous 12 consecutive calendar months the NOx emissions limitation as stipulated in Condition 1.4 C is not exceeded, and (3) The monthly amounts and types of fuel burned. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]**
1.4	**Record Keeping Requirements:** A. Control of Visible Emissions: The Permittee shall: (1) Maintain a log of visible emissions observations performed and make it available to the Department's representative upon request; (2) Maintain a record of the maintenance performed that relates to combustion performance; and (3) Maintain an operation manual and maintenance plan on site. **[Reference: COMAR 26.11.03.06C].** B. Control of Sulfur Oxides: The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur and nitrogen content, and make them available to the Department upon request. The Permittee or it's fuel supplier or designated agent shall determine compliance with the sulfur content standard in § 60.4330 as follows: i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for fuel oil in accordance with Subpart KKKK - §60.4360; and ii) A certified statement signed by the authorized representative of the facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182 & 40 CFR 60 Subpart KKKK]** C. Control of Nitrogen Oxides (NOx emissions sampling)

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(1) The Permittee shall maintain records the capacity factor for each gas turbine generator, for each previous calendar months and the average for the previous 12 consecutive calendar months.

(2) The Permittee shall maintain records of the results any stack tests and/or periodic flue gases sampling from the gas turbines.

[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]

D. Operational Limitations:
(Synthetic Minor Requirement for Exemption from NSR)

(1) The Permittee shall maintain monthly records of NOx emissions from the gas turbine generator sets for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month.

(2) The Permittee shall maintain monthly records of the following:

(a) Amount and types of fuel combusted,

(b) Fuel supplier certifications,

(c) Each combustion turbine's & black-start engine's operating hours, and

(d) A verification of the capacity factor for each gas turbine generator set, which shall include the heat input (in million British thermal units or equivalent units of measure) and/or electric output (expressed in MWe-hr).

[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]

Recordkeeping under § 60.7(b) - General Provisions.

(3) "Any owner or operator subject to the provisions of this part shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative."

[Reference: 40 CFR 60 Subpart A]

1.5	**Reporting Requirements:**

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A. Control of Visible Emissions:
The Permittee shall report incidents of visible emissions in accordance with Permit Condition 4, of Section III, "Report of Excess Emissions and Deviations"
[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]

B. Control of Sulfur Oxides:
(1) The Permittee shall submit along with the semi-annual reports, fuel supplier certifications that verify that the fuels used oil complies with the limitations on sulfur content. The reports shall be submitted by April 1st (along with emissions certification and October 1st of each calendar year.
[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]

(2) Reporting under § 60.4375:
"(a) For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content under this subpart, you must submit reports of excess emissions and monitor downtime, in accordance with §60.7(c). Excess emissions must be reported for all periods of unit operation, including start-up, shutdown, and malfunction.
[Reference: 40 CFR 60 Subpart KKKK]

C. Control of Nitrogen Oxides:
(1) The Permittee shall submit with semi-annual reports a verification of the capacity factor for each gas turbine generator set, which shall include the heat input (in million British thermal units or equivalent units of measure) and/or electric output (expressed in MWe-hr) and hours of operation for each unit.
[Reference: PTC No005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]

(2) The Permittee shall submit along with the semi-annual reports the results of any flue gas sampling performed for that period.
[Reference: COMAR 26.11.03.06C]

(3) Reporting under § 60.4390 – Emergency Combustion Turbines:
"(a) If you operate an emergency combustion turbine, you are exempt from the NOx limit *(under this subpart)* and must submit an initial report to the Administrator stating your case."

Table IV – 1	
	[Reference: 40 CFR 60 Subpart KKKK] D. Operational Limitations: **(Synthetic Minor Requirement for Exemption from NSR)** By April 1 of each year, the Permittee shall submit to the Department, for the previous calendar year, a certified emissions statement verifying that for the previous 12-month consecutive period, the NOx emissions limitation as stated in Part 1.1D (1) of this permit, was not exceeded. The Permittee shall submit semi-annual reports, which includes the annual emissions statement and fuel certifications, to the Department on the premises-wide NOx emissions for the previous 12 consecutive calendar months. The reports shall be submitted within 30 days after the end of the last previous semi-annual period covered. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]** Reporting under § 60.7(c). All reports required under Sec. 60.7(c) must be postmarked by the 30th day following the end of each 6-month period **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& 40 CFR, Subpart KKKK]**

Table IV – 2	
2.0	**Emissions Unit Number(s) EU #'s (4), (5), and (6):** (Registration Nos. 9-1180, 9-1181, & 9-1182): Three-(3) 749-bhp/500-kW "black-start" I/C reciprocating kerosene-fired emergency generator engines
2.1	**Applicable Standards/Limits:** A. Control of Visible Emissions COMAR 26.11.09.05E. – "Stationary Internal Combustion Engine Powered Equipment. (1) Definitions. For the purpose of this section: (a) "Idle" means the condition during which the engine is not performing the useful net work that enables the piece of equipment to accomplish its designated purpose. (b) "Internal combustion engine" (hereafter "engine") means all engines except those used for propulsion of ships or vehicles licensed to

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operate upon the public highway within the State, or engines employed solely for agricultural and recreational purposes unless they are an integral part of a stationary installation.

(2) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(3) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(4) Exceptions.

(a) Section E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(b) Section E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(i) Engines that are idled continuously when not in service: 30 minutes;

(ii) All other engines: 15 minutes.

(c) Section E(2) and (3) does not apply while maintenance, repair, or testing is being performed by qualified mechanics."

B. Control of Sulfur Oxides

COMAR 26.11.09.07A(2)(b) which states: "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitation: distillate fuel oil, **0.3 percent**."

C. Control of Nitrogen Oxides

COMAR 26.11.09.08G(1) - Requirements for Fuel Burning Equipment with a Capacity Factor of 15 Percent or Less.

"A person who owns or operates fuel burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

(a) Provide certification of the capacity factor of the equipment to the Department in writing;

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	(b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually; (c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and EPA upon request; (d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA , or equipment vendors; and (e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. **Note**: The black-start engine "operators" are considered the person(s) who conduct maintenance and/or combustion optimization of the engines. D. Operational Limitations: **(Synthetic Minor Requirements for NSR Exemption)** In order to exempt the gas turbine generator sets, including the "black-start" engines, from the requirements of COMAR 26. 11. 17 - Requirements for Major New Sources and Modifications, and prevent the turbine generator sets from operating as a "Major Stationary Source" of NOx emissions as defined under COMAR 26.11.17.01B(13), the Permittee shall limit the NOx emissions from the gas turbine generator sets, including the "black-start" engines, to less than 25 tons per year, for any 12-month consecutive period. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182]**
2.2	**Testing Requirements:** A. Control of Visible Emissions {See Monitoring Condition 2.3A., below} B. Control of Sulfur Oxides {See Monitoring Condition 2.3B., below} C. Control of Nitrogen Oxides The Permittee shall perform engine maintenance and inspections in accordance with manufacturer's recommendations. Engine inspections, tuning, and adjustments shall be performed by a qualified mechanic and in accordance with the engines manufacturer's recommendations. [Reference: COMAR 26.11.03.06C] D. Operational Limitations {See Monitoring Condition 2.3D., below}

Table IV – 2	
2.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall properly operate and maintain the generators in accordance with the engines manufacturer's recommendations and in a manner to assure compliance with the visible emissions standards. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall obtain a certification from the fuel supplier indicating that the oil complies with the limitation on the sulfur content of fuel oil **[Reference: COMAR 26.11.03.06C].** C. Control of Nitrogen Oxides {See Record Keeping Condition 2.4 C.., below} D. Operational Limitations (1) The Permittee shall monitor and record the operating hours, and monthly fuel use of each generator. (2) The Permittee shall maintain monthly records of NOx emissions from turbine generator sets, including the black-start engines, if run, for each previous calendar month and a total for the previous 12 consecutive calendar months. The calculations and records shall be updated monthly, within the first 15 days of each following month. **[Reference: PTC No. 005-0282-9-1180, 9-1181, & 9-1182& COMAR 26.11.03.06C]**
2.4	**Record Keeping Requirements:** **NOTE:** All records must be maintained for a period of 5 years **[Reference: COMAR 26.11.03.06C(5)(g)].** A. Control of Visible Emissions The Permittee shall maintain an operations manual and preventive maintenance plan. The Permittee shall maintain a log of maintenance performed that relates to combustion performance. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request. Certification may include:

Table IV – 2	
	i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for kerosene; and/or ii) A certified statement signed by the authorized representative of the Facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period. **[Reference: COMAR 26.11.03.06C & COMAR 26.11.09.07A(2)(b)]** C. Control of Nitrogen Oxides The Permittee shall: (1) Maintain the records of the operations and maintenance plan and records of any engine maintenance and repairs on site. (2) Prepare and maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08(E)(3) & (5)]** D. Operational Limitations The Permittee shall maintain records of the hours of operation and fuel usage, and NOx emissions for each engine on site and shall make those records available to the Department upon request. **[Reference: PTC 08-4-0149, 0150, & 0151 N & COMAR 26.11.09.08(E)(1) & COMAR 26.11.09.08K(3)]**
2.5	**Reporting Requirements:** Control of Visible Emissions A. The Permittee shall report incidents of visible emissions in accordance with permit Condition 4, Section III, Plant Wide Conditions, "Report of Excess Emissions and Deviations". Control of Sulfur Emissions B. The Permittee shall submit fuel supplier certifications to the Department upon request **[Reference: COMAR 26.11.09.07C**]. Control of NOx Emissions C. {See Record Keeping Condition 2.4 C., above} Operational Limitations (Synthetic Minor Requirement for Exemption from NSR) D. By April 1 of each year, the Permittee shall submit to the Department, for the previous calendar year, a certified emissions statement verifying that for the previous 12-month consecutive period, the NOx emissions limitation as stated in Part 1.1D (1) of this permit, was not exceeded.

Table IV – 2	
	The Permittee shall submit to the Department records of the hours of operation and annual fuel use with the annual emissions certification. **[Reference: COMAR 26.11.03.06C]**

Table IV – 2 a. – RICE MACT (Existing Units @ Area Sources)	
2.0a	**Emissions Unit Number(s): EU #'s (4), (5), and (6)** (Registration Nos. 9-1180, 9-1181, & 9-1182): Three-(3) 749-bhp/500-kW "black-start" I/C reciprocating kerosene-fired emergency generator engines
2.1a	**Applicable Standards/Limits:** **Subpart ZZZZ—National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines** **Emission and Operating Limitations** **§ 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?** (a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you. **Note:** There are no applicable limits in Table 2b that apply to these Existing CI Stationary RICE >500 HP because they are emergency engines with no CO emissions limits. **Table 2d to Subpart ZZZZ of Part 63—Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions** As stated in §§ 63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

Table 2d		
For each . . .	**You must meet the following requirement, except during periods of startup . . .**	**You must meet the following requirement, except during periods of startup . . .**
4. Emergency stationary CI RICE and black start stationary CI RICE.[2]	a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1]	Minimize the engine's time spent at idle and minimize the engine's startup

Table IV – 2 a. – RICE MACT (Existing Units @ Area Sources)		
		time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and	
	c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	

General Compliance Requirements
§ 63.6605 What are my general requirements for complying with this subpart?
(a) You must be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

(b) At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[75 FR 9675, Mar. 3, 2010, as amended at 78 FR 6702, Jan. 30, 2013]

2.2a	**<u>Testing Requirements</u>:** **{See Monitoring Requirements Section 2.3a, below}**
2.3a	**<u>Monitoring Requirements:</u>**

Table IV – 2 a. – RICE MACT (Existing Units @ Area Sources)	
	§ 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements? (e) If you own or operate any of the following stationary RICE, you must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions: (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions. (h) If you operate a new, reconstructed, or existing stationary engine, you must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. **§ 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?** (f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE under this subpart, any operation other than emergency operation, and maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines. "(2) Requirements for emergency stationary RICE. (1) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, a new or reconstructed emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that was installed on or after June 12, 2006, or an existing emergency stationary RICE located at an area source of HAP emissions, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1)(i) through (iii) of this section. Any operation other than emergency operation, maintenance and testing is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1)(i) through (iii)(*) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines. (i) There is no time limit on the use of emergency stationary RICE in emergency situations. (ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are

Table IV – 2 a. – RICE MACT (Existing Units @ Area Sources)	
	recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year. **[Reference: 40 CFR §63.6640 (f)]** **Note(*):** Effective May 2, 2016, emergency generators are no longer allowed to participate for emergency demand response operation unless they meet the requirements of a non-emergency generator of the same model year. This engine does not meet the standards for a non-emergency generator, therefore, operation for emergency demand response or during periods of voltage deviation, as was indicated under paragraphs (f)(1)(iii), are not permitted. **[Reference: U.S. Court of Appeals for the District of Columbia Circuit May 2, 2016 Vacatur on Participation in Emergency Demand Response (EDR) Programs]**
2.4a	**Record Keeping Requirements:** **Notifications, Reports, and Records** **§ 63.6655 What records must I keep?** (d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you. **Per Table 6** of Subpart 40 CFR 63 Subpart ZZZZ, Section 9 for existing emergency and black start stationary RICE located at an area source of HAP, the facility must meet the following: a. Work or Management practices i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. (e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE:

Table IV – 2 a. – RICE MACT (Existing Units @ Area Sources)	
	(2) An existing stationary emergency RICE. (3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart. (f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section (An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines), you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in § 63.6640(f)(2)(ii) or (iii) or § 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes. **[Reference: 40 CFR 63 Subpart ZZZZ]** [69 FR 33506, June 15, 2004, as amended at 75 FR 9678, Mar. 3, 2010; 75 FR 51592, Aug. 20, 2010; 78 FR 6706, Jan. 30, 2013]
2.5a	**Reporting Requirements:** The Permittee shall maintain all records required under Record Keeping, condition 2.4a, above and make them available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**

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3.0	**Emissions Unit Number(s)** **(7):** 5-2377 - Hurst – 6.3 MMBH dual (NG – Primary/K1 - backup) fired boiler - Utility Bldg. **(8):** 5-2377 - Hurst – 6.3 MMBH dual (NG – Primary/K1 - backup) fired boiler - Utility Bldg. **(9):** 5-2358 - Fulton – 4 MMBH natural gas fired boiler – Supply Bldg. **(10):** 5-2359 - Fulton – 4 MMBH natural gas fired boiler – Supply Bldg. **(12):** 5-0889 - Cleaver Brooks (NG/No. 2- backup) - 40 MM Btu - Altmeyer Bldg **(13):** 5-0074 - Erie Boiler (NG/No.2 - backup) - 31 MM Btu - Altmeyer Bldg **(14): 5**-0075 - Erie Boiler (NG/No.2-backup) - 31 MM Btu - Altmeyer Bldg **(15):** 5-2302 - Babcock & Wilcox (NG/No.2) - 18.7 MMBH - Altmeyer Bldg (**NSPS**) **(16):** 5-2582 - Lochinvar boiler (NG) - 1.9 MM Btu - Day Care Bldg. **(17):** 5-1737 - Lochinvar boiler (NG) - 1.9 MM Btu - Day Care Bldg.

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3.1 **Applicable Standards/Limits:**

A. Control of Visible Emissions:

(1) COMAR 26.11.09.05A(2) which states, "In Areas III and IV, "A person may not cause or permit the discharge of emissions from any fuel burning equipment, other than water in an uncombined form, which is visible to human observers except that, for the purpose of demonstrating compliance using COM data, emissions that are visible to a human observer are those that are equal to or greater than 10 percent opacity."

(2) COMAR 26.11.09.05A(3) Exceptions.
"Section A(1) and (2) of this regulation do not apply to emissions during load changing, soot blowing, startup, or adjustments or occasional cleaning of control equipment if:
(i) The visible emissions are not greater than 40 percent opacity; and
(ii) The visible emissions do not occur for more than 6 consecutive minutes in any sixty-minute period."

B. Control of Sulfur Oxides

(1) Applies to NSPS Boilers only - E/N (15): Reg.# 5-2302 only}

(1) 40 CFR 60, Subpart Dc, §60.42c
"(d) On and after the date on which the initial performance test is completed or required to be completed under §60.8, whichever date comes first, no owner or operator of an affected facility that combusts oil shall cause to be discharged into the atmosphere from that affected facility any gases that contain SO_2 in excess of 215 ng/J (0.50 lb/MMBtu) heat input; or, as an alternative, no owner or operator of an affected facility that combusts oil shall combust oil in the affected facility that contains greater than 0.5 weight percent sulfur.*(1) The percent reduction requirements are not applicable to affected facilities under this paragraph."

"(g) Except as provided in paragraph (h) of this section, compliance with the percent reduction requirements, fuel oil sulfur limits, and emission limits of this section shall be determined on a 30-day rolling average basis."

"(h) For affected facilities listed under paragraphs (h)(1), (2), or (3) of this section, compliance with the emission limits or fuel oil sulfur limits under this section may be determined based on a certification from the fuel supplier, as described under §60.48c(f), as applicable. (1) Distillate oil-fired affected facilities with heat input capacities between 2.9 and 29 MW (10 and 100 MM Btu/hr)."

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"(i) The SO_2 emission limits, fuel oil sulfur limits, and percent reduction requirements under this section apply at all times, including periods of startup, shutdown, and malfunction."

(2) COMAR 26.11.09.07 – Control of Sulfur Oxides from Fuel Burning Equipment.

"A. Sulfur Content Limitations for Fuel. "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitations: (2) In Areas III and IV: **(b) Distillate fuel oils, 0.3 percent."**

"C. Request for Analyses. "Any person offering to sell or deliver fuel or any person responsible for equipment in which fuel or process gas is burned, upon request, shall submit to the Department or control officer such analyses of fuel or process gas as may be required to determine compliance with this regulation."

***Note:** Because COMAR 26.11.09.07A(2)(b) fuel sulfur content limitation is more stringent, it supersedes the fuel sulfur content specified under 40 CFR 60, Subpart Dc, §60.42c.

C. Control of Nitrogen Oxides

(1) COMAR 26.11.09.08 - Control of NO_x Emissions for Major Stationary Sources.

"F. Requirements for Space Heaters.

(1) A person who owns or operates a space heater as defined in Regulation .01B of this chapter shall:

(a) Submit to the Department a list of each affected installation on the premises and the types of fuel used in each installation;

(b) Develop an operating and maintenance plan to minimize NOx emissions based on the recommendations of equipment vendors and other information including the source's operating and maintenance experience;

(c) Implement the operating and maintenance plan and maintain the plan at the premises for review upon request by the Department;

(d) Require installation operators to attend in-State operator training programs once every 3 years

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on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

(e) Prepare and maintain a record of training program attendance for each operator at the site and make these records available to the Department upon request.

(2) A person who owns or operates an installation that no longer qualifies as a space heater shall inform the Department not later than 60 days after the date when the fuel-burning equipment did not qualify, and shall meet the applicable fuel-burning equipment RACT requirement in this regulation."

"Space heater" means fuel-burning equipment that consumes more than 60 percent of its annual fuel during the period from October 31 of one year, through March 31 of the following year. For the purpose of this regulation, annual fuel use is the total fuel consumed during the period October 1 of one year to September 30 of the following year, beginning October 1, 1989."

D. Operational Limitations

(1) Except as otherwise provided in this part, the boilers shall be operated in accordance with specifications included in the application and any operating procedures recommended by equipment vendors unless the Department provides written approval for alternative operating procedures

{Condition D.(2) below, applies only to Altmeyer Bldg. Reg. Nos.: 5-0889
5-0074; 5-0075; and 5-2302}

(2) The dual (natural gas- primary/ (No. 2 fuel oil - emergency backup) fired boilers shall only fire fuel oil during periods of gas curtailment, gas supply interruption, startups, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year**. [Ref: §63.11237 – Definition of Gas-fired boiler]**

Period of gas curtailment or supply interruption means a period of time during which the supply of gaseous fuel to an affected boiler is restricted or halted for reasons beyond the control of the facility. The act of entering into a contractual agreement with a supplier of natural gas established for curtailment purposes does not constitute a reason that is under the control of a facility for the purposes of this definition. An increase in the cost or unit price of natural gas due to normal market fluctuations not

Table IV – 3	
	during periods of supplier delivery restriction does not constitute a period of natural gas curtailment or supply interruption. On-site gaseous fuel system emergencies or equipment failures qualify as periods of supply interruption when the emergency or failure is beyond the control of the facility. **[40 CFR §63.11237 – "Period of gas curtailment or supply interruption"]** **Note:** The Permittee is exempt from the Area Source MACT for Large Boilers 40 CFR 63, Subpart JJJJJJ due to the fact that the unit shall fire natural gas and shall only fire No.2 fuel oil only during emergencies such as a major disruption in the utility supply of natural gas. [Ref. 40 CFR §63.11195(e)] **[Reference: PTC 005-0282-5-2302 & COMAR 26.11.02.09A]**
3.2	**Testing Requirements:** A. Control of Visible Emissions: {See Section 3.3, Monitoring Requirements, below.} B. Control of Sulfur Oxides: {See Section 3.3, Monitoring Requirements, below.} C. Control of Nitrogen Oxides:: {See Section 3.3, Monitoring Requirements, below.} D. Operational Limitations: {See Section 3.3, Monitoring Requirements, below.}
3.3	**Monitoring Requirements:** A. Control of Visible Emissions: The Permittee shall: (1) Properly operate and maintain the boilers in a manner to prevent visible emissions; and (2) Verify no visible emissions when burning No. 2 fuel oil. The Permittee shall perform a visual observation of stack emissions for a 6-minute period once for each month that the boiler(s) burns No. 2 fuel oil or at a minimum of once per year. **(5)** **Note(5): This condition only applies the Central Plant Boilers located in the Altmeyer Building. If a boiler is fired only on natural gas, then no V.E. observations are required.** The Permittee shall perform the following, if emissions are visible: (1) Inspect combustion control system and boiler operations, (2) Perform all necessary adjustments and/or repairs to the boiler within 48 hours, so that visible emissions are eliminated;

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	(3) Document in writing the results of the inspections, adjustments and/or repairs to the boiler; and (4) After 48 hours, if the required adjustments and/or repairs had not eliminated the visible emissions, perform Method 9 observations once daily for 18 minutes until corrective actions have eliminated the visible emissions. [**Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides: (Sulfur Content of Fuel) The Permittee shall obtain a certification of sulfur content from the supplier for the fuel oil. The Permittee shall maintain records of the fuel oil certifications indicating that the oil complies with the limitations on sulfur content. Certification may include: (i) a fuel supplier certification consisting of the name of the oil supplier and a statement from the oil supplier that the oil complies with specifications for distillate fuel oil; or (ii) a record of fuel analysis by the Maryland State Comptroller's Office. (iii) The Permittee shall report fuel supplier certification to the Department upon request. **[Reference: COMAR 26.11.09.07A(2)(b) & COMAR 26.11.03.06C]** C. Control of Nitrogen Oxides:: Implement the operating and maintenance plan and maintain the plan at the premises for review upon request by the Department. **[Reference: COMAR 26.11.09.08 F (1)(c)]** D. Operational Limitations: {See Section 3.4, Record Keeping Requirements, below.}
3.4	**Record Keeping Requirements:** **NOTE:** All records must be maintained for a period of 5 years [Reference: COMAR 26.11.03.06.C (5)(g)]. A. Control of Visible Emissions: The Permittee shall: (1) Maintain an operating and maintenance plan on site; (2) Maintain a record of the maintenance preformed that relates to combustion performance;

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(3) Maintain a log of visible emissions observations performed and make it available to the Department's representative upon request;

(4) Maintain a record of the hours that fuel oil is burned.

[Reference: COMAR 26.11.03.06C & COMAR 26.11.09.08 F]

B. Control of Sulfur Oxides:

(1) The Permittee shall maintain records of fuel oil supplier's certification and shall make records available to the Department upon request.

[Reference: COMAR 26.11.03.06C & PTC #005-0282-5-2302]

{Condition B. (2) below, applies only to - E/N (15): Reg.# 5-2302}

(2) **§ 60.48c Reporting and recordkeeping requirements.**

"**(e)** The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.
"(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period."

"**(f)** Fuel supplier certification shall include the following information:
(2) For distillate oil:

(i) The name of the oil supplier;

(ii) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(iii) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(iv) The method used to determine the sulfur content of the oil."

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	C. Control of Nitrogen Oxides: The Permittee shall maintain records of the following in order to satisfy the requirements for the Control of NO_x Emissions for Major Stationary Sources - COMAR 26.11.09.08 F: (1) List of each affected installation on the premises and the types of fuel used in each installation; (2) Operating and maintenance plan, including records of any maintenance preformed that relates to combustion performance; (3) Verification of training program attendance for each operator at the site; and (4) Statement verifying the premises still qualifies as a Space Heater" as defined by COMAR 26.11.00.08 F. **[Reference: COMAR 26.11.03.06C & COMAR 26.11.09.08 F]** D. Operational Limitations: {(1) Applies to NSPS boiler only - E/N **(15):** Reg.# 5-2302} (1) The Permittee shall maintain records of the following, for submittal with the semi-annual report: (a) Hours of operation (monthly), (b) Pounds of steam and/or hot water produced (monthly), (c) Types and amounts of fuels combusted (monthly), (d) Fuel oil supplier certification, including the name of the supplier, sulfur content and/or a statement indicating that the oil complies with the limitations for distillate fuel oil, and (e) A certified statement by the Permittee stating that the records of the fuel supplier certifications submitted represents all of the fuel oil combusted during the previous semi-annual period. **[Reference: 40 CFR 60, Subpart Dc & PTC #005-0282-5-2302]**
3.5	**Reporting Requirements:** A. Control of Visible Emissions:

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The Permittee shall report incidents of visible emissions in accordance with permit condition 4, Section III, Plant Wide Conditions, "Report of Excess Emissions and Deviations".
[Reference: COMAR 26.11.03.06C]

B. Control of Sulfur Oxides:
{***Conditions (1), (2), & (11) below, applies to NSPS Boiler(s)}***

(1) The Permittee shall submit the fuel oil supplier's certification as part of the semi-annual reporting requirements of 40 CFR 60, Subpart Dc. **[Reference: COMAR 26.11.03.06C]**

(2) **§ 60.48c Reporting and recordkeeping requirements.**
"**(c)** The owner or operator of each coal-fired, **oil-fired**, or wood-fired affected facility subject to the opacity limits under §60.43c(c) shall submit excess emission reports for any excess emissions from the affected facility that occur during the reporting period."

"**(d)** The owner or operator of each affected facility subject to the SO_2 emission limits, **fuel oil sulfur limits**, or percent reduction requirements under §60.42c shall submit reports to the Administrator."

"**(e)** The owner or operator of each affected facility subject to the SO_2 emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c shall keep records and submit reports as required under paragraph (d) of this section, including the following information, as applicable.

(11) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of this section, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period."

"**(f)** Fuel supplier certification shall include the following information:
(2) For distillate oil:

(i) The name of the oil supplier;

(ii) The location of the oil when the sample was drawn for analysis to determine the sulfur content of the oil, specifically including whether the oil was sampled as delivered to the affected facility, or whether

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the sample was drawn from oil in storage at the oil supplier's or oil refiner's facility, or other location;

(iii) The sulfur content of the oil from which the shipment came (or of the shipment itself); and

(iv) The method used to determine the sulfur content of the oil."

"**(g)(1)** Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.

(2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, ***fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO_2 standard***, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels **may elect to record and maintain records of the amount of each fuel combusted during each calendar month**."

"(j) The reporting period for the reports required under this subpart is each **six-month period**. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period."
[Reference: 40 CFR 60, Subpart Dc & PTC #005-0282-5-2302]

C. Nitrogen Emissions:
The Permittee shall submit a training program attendance for each operator at the site to the Department upon request.
[Reference: COMAR 26.11.09.08 F (1)(d)]

D. Operational Limitations:
{(1) Applies to NSPS boiler only - E/N **(15): Reg.# 5-2302**}

(1) In order to satisfy the reporting requirements under 40 CFR 60, Subpart Dc, the Permittee shall submit to the Department and the EPA, by not later than 30 days after the end of each semi-annual period, a semi-annual report including the following:

(a) Hours of operation for each NSPS boiler;

(b) Pounds of steam and/or hot water produced;

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	(c) Records of the monthly amounts and type of each fuel combusted during the period; (d) A fuel supplier certification consisting of the following (reference 40 CFR 60 - §60.48c): (i) The name of the fuel oil supplier; (ii) The location of the oil when it was drawn for analysis to determine the sulfur content of the oil, specifically whether the oil was sampled as delivered to the affected facility, or whether the sample was drawn from the oil in storage at some other location; (iii) The sulfur content of the oil from which the shipment came (or of the shipment itself; and (iv) The method used to determine the sulfur content of the oil. (e) A certified statement signed by the Permittee stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the semi-annual reporting period.

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4.0	**Emissions Unit Number: 18** **Registration # 9-0403** – 20,000 Gallon Gasoline/E-85 Underground Storage Tank
4.1	**Applicable Standards/Limits:** **COMAR 26.11.13.04C**-Small Storage Tanks. (2) Stage I Vapor Recovery. An owner or operator of a gasoline tank truck or an owner or operator of a stationary storage tank subject to this regulation may not cause or permit gasoline to be loaded into a stationary tank unless the loading system is equipped with a vapor balance line that is properly installed, maintained and used."

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	COMAR 26.11.13.04D - General Standards. "A person may not cause or permit a gasoline or VOC having a TVP of 1.5 psia (10.3 kilonewtons/square meter) or greater to be loaded into any truck, railroad tank car, or other contrivance unless the: (1) Loading connections on the vapor lines are equipped with fittings that have no leaks and that automatically and immediately close upon disconnection to prevent release of gasoline or VOC from these fittings; and (2) Equipment is maintained and operated in a manner to prevent avoidable liquid leaks during loading and unloading operations.
4.2	**Testing Requirements:** {See Monitoring Requirements – Condition 4.3, below}
4.3	**Monitoring Requirements:** The Permittee and/or its fuel delivery agent shall as part of their operations and maintenance plan periodically visually inspect all components on the premises for leaks and retain a record of these leak inspections. If leaks are detected, corrective action shall be as follows: (1) Take immediate action to repair all observed VOC leaks that can be repaired with 48 hours; and (2) Repair all other leaking components not later than 15 days after the leak is discovered. If a replacement part is needed, the part shall be ordered within 3 days after discovery of the leak, and the leak shall be repaired within 48 hours after receiving the part. [Reference: COMAR 26.11.03.06C]
4.4	**Record Keeping Requirements:** The Permittee shall maintain records on gasoline/E-85 throughput, tank sizes and equipment maintenance and repairs on-site and shall make them records available to the Department upon request. [COMAR 26.11.03.06C] The Permittee shall maintain equipment maintenance records shall include: The date on which defective equipment was found, a description of each defect, a description of the corrective action and date on which the defect was corrected, and the probable cause of the defect; If parts are replaced, the location within the approved system of the part, the part number, and assurance that the replacement part does not degrade the efficiency of the system; and Inspection reports and any other information relating to maintenance or care of the system. These records shall be kept on site for a period of at least 5 years. **[Reference: COMAR 26.11.03.06C]**

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	COMAR 26.11.24.07D - Recording keeping and Reporting Requirements. "Requirements for Gasoline Dispensing Facilities Exempted by Regulation .02C of this chapter. (1) An owner or operator of a gasoline dispensing facility exempted according to Regulation .02C of this chapter shall create and maintain records on gasoline throughput and tank sizes and make the records available to the Department upon request. (2) An owner or operator shall install and operate an approved system within 1 year after any calendar year in which the average monthly gasoline throughput at the facility during the calendar year exceeds 50,000 gallons per month for existing independent small business gasoline marketers, or 10,000 gallons per month for other existing gasoline dispensing facilities. The owner and operator of these facilities is subject to all applicable requirements of this chapter."
4.5	**Reporting Requirements:** The Permittee shall make records available to the Department upon request. **[Reference: COMAR 26.11.03.06C]**

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5.0	**Emissions Unit Number(s): 19 & 20** Two-(2) 750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDGs **(Reg. Nos. 9-1436 & 9-1437)**
5.1	**Applicable Standards/Limits:** A. Visible Emissions Limitations COMAR 26.11.09.05 E. Stationary Internal Combustion Engine Powered Equipment. (2) Emissions During Idle Mode. A person may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity. (3) Emissions During Operating Mode. A person may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity. (4) Exceptions. (a) Section E(2) of this regulation does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

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(b) Section E(2) of this regulation does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(i) Engines that are idled continuously when not in service: 30 minutes;

(ii) All other engines: 15 minutes.

(c) Section E(2) and (3) of this regulation do not apply while maintenance, repair, or testing is being performed by qualified mechanics.

B. Control of Sulfur Oxides
COMAR 26.11.09.07A(2)(b) which states: "A person may not burn, sell, or make available for sale any fuel with a sulfur content by weight in excess of or which otherwise exceeds the following limitation: distillate fuel oil, **0.3 percent**."

C. Control of Nitrogen Oxides
COMAR 26.11.09.08 G. - **Requirements for Fuel-Burning Equipment with a Capacity Factor of 15 Percent or Less**, and Combustion Turbines with a Capacity Factor Greater than 15 Percent.

(1) A person who owns or operates fuel-burning equipment with a capacity factor (as defined in 40 CFR Part 72.2) of 15 percent or less shall:

(a) Provide certification of the capacity factor of the equipment to the Department in writing;

(b) For fuel-burning equipment that operates more than 500 hours during a calendar year, perform a combustion analysis and optimize combustion at least once annually;

(c) Maintain the results of the combustion analysis at the site for at least 2 years and make these results available to the Department and the EPA upon request;

(d) Require each operator of an installation, except combustion turbines, to attend operator training programs at least once every 3 years, on combustion optimization that are sponsored by the Department, the EPA, or equipment vendors; and

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(e) Maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request.

Note: The engine "operators" are considered the person(s) who conduct maintenance and/or combustion optimization of the engines.

Note: *Capacity factor means either*:
(1) The ratio of a unit's actual annual electric output (expressed in MWe/hr) to the unit's nameplate capacity (or maximum observed hourly gross load (in MWe/hr) if greater than the nameplate capacity) times 8760 hours; or

(2) The ratio of a unit's annual heat input (in million British thermal units or equivalent units of measure) to the unit's maximum rated hourly heat input rate (in million British thermal units per hour or equivalent units of measure) times 8,760 hours. [Reference: 40 CFR Part 72.2]

(2) COMAR 26.11.09.08B(5) states that; (a) for the purpose of COMAR 26.11.09.08, the equipment operator to be trained may be the person who maintains the equipment and makes the necessary adjustments for efficient operation; and (b) that the operator training course sponsored by the Department shall include an in-house training course that is approved by the Department.

(3) COMAR 26.11.09.08K(3) which requires a person subject to this regulation to maintain annual fuel use records on site and make these records available to the Department upon request.

[Reference: PTC 005-0282-9-1436 & 9-1437 N & COMAR 26.11.09.08]

D. Operational Limitations

(1) The Permittee must operate and maintain an NSPS emergency diesel generator and control devices according to the manufacturer's written instructions or according to procedures developed by the owner or operator that are approved by the manufacturer. Additionally the Permittee may change only those settings that are permitted by the manufacturer. The Permittee must also meet the requirements of 40 CFR part 89, part 1039 for model year 2011 or later, part 94 and/or part 1068, as they may apply to an owner or operator [Ref: 40 CFR 60 Subpart IIII - §60.4211].

(2) Beginning October 1, 2010, owners and operators (the Permittee) of a stationary source CI ICE subject to this subpart with a

Table IV – 5	
	displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. [Ref: 40 CFR 60 Subpart IIII - §60.4207]. (3) In accordance with 40 CFR §60.4211(e), non-emergency use of each NSPS emergency diesel generator for the purpose of maintenance checks and readiness testing is limited to 100 hours per year or less unless prior approval is received from the Department. **[Reference: 40 CFR 60 Subpart IIII & PTC 005-0282-9-1436 & 9-1437 N]**
5.2	**Testing Requirements:** A. Control of Visible Emissions {See Monitoring Condition 5.3A., below} B. Control of Sulfur Oxides {See Monitoring Condition 5.3B., below} C. Control of Nitrogen Oxides The Permittee shall perform engine maintenance and inspections in accordance with manufacturer's recommendations. Engine inspections, tuning, and adjustments shall be performed by a qualified mechanic and in accordance with the engines manufacturer's recommendations. [Reference: COMAR 26.11.03.06C] D. Operational Limitations {See Monitoring Condition 5.3D., below}

5.3	**Monitoring Requirements:** A. Control of Visible Emissions The Permittee shall properly operate and maintain the generators in accordance with the engines manufacturer's recommendations and in a manner to assure compliance with the visible emissions standards. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall obtain a certification from the fuel supplier indicating that the oil complies with the limitation on the sulfur content of fuel oil **[Reference: COMAR 26.11.03.06C].**

	C. Control of Nitrogen Oxides {See Record Keeping Condition 2.4 C.., below} D. Operational Limitations The Permittee shall maintain on site for the life of the source the following records for the emergency diesel generator(s): (1) Documentation of the manufacture date of the diesel engine, if manufactured prior to April 1, 2006 and the manufacturer model year of the diesel engine; (2) The installation date of each emergency diesel generator; and (3) The certifications of compliance or manufacturer engine test data required by 40 CFR §60.4211 and §60.4214(b). **[Reference: 40 CFR 60 Subpart IIII & PTC 005-0282-9-1436 & 9-1437 N]**
5.4	**Record Keeping Requirements:** **NOTE:** All records must be maintained for a period of 5 years **[Reference: COMAR 26.11.03.06C(5)(g)].** A. Control of Visible Emissions The Permittee shall maintain an operations manual and preventive maintenance plan. The Permittee shall maintain a log of maintenance performed that relates to combustion performance. **[Reference: COMAR 26.11.03.06C]** B. Control of Sulfur Oxides The Permittee shall maintain records of the all fuel oil certifications indicating that the oil complies with the limitations on sulfur content, and make them available to the Department upon request. Certification may include: i) a fuel supplier certification consisting of the name of the fuel oil supplier and a statement from the supplier that the fuel oil complies with specifications for kerosene; and/or ii) A certified statement signed by the authorized representative of the Facility, stating that the records of fuel supplier certifications submitted represent all of the fuel oil combusted during the reporting period. iii) For any NSPS emergency diesel generator the Permittee shall for each fuel delivery obtain from the fuel supplier a fuel supplier certification consisting of the name of the oil supplier, the date of delivery, the amount of fuel delivered, and a statement from the fuel supplier that the diesel fuel oil complies with the

	specifications of 40 CFR §80.510. The Permittee shall maintain the required records on site for at least five (5) years. **[Reference: COMAR 26.11.09.07A(2)(b) & PTC 005-0282-9-1436 & 9-1437 N]** C. Control of Nitrogen Oxides The Permittee shall: (1) Maintain the records of the operations and maintenance plan and records of any engine maintenance and repairs on site. (2) Prepare and maintain a record of training program attendance for each operator at the site, and make these records available to the Department upon request. **[Reference: COMAR 26.11.09.08G(1) & COMAR 26.11.03.06C]** D. Operational Limitations The Permittee shall maintain on site for the life of the source the following records for the emergency diesel generator(s): (1) Documentation of the manufacture date of the diesel engine, if manufactured prior to April 1, 2006 and the manufacturer model year of the diesel engine; (2) The installation date of each emergency diesel generator; and (3) The certifications of compliance or manufacturer engine test data required by 40 CFR §60.4211 and §60.4214(b). **[Reference: 40 CFR 60 Subpart IIII & PTC 005-0282-9-1436 & 9-1437 N]**
5.5	**Reporting Requirements:** Control of Visible Emissions A. The Permittee shall report incidents of visible emissions in accordance with permit Condition 4, Section III, Plant Wide Conditions, "Report of Excess Emissions and Deviations". Control of Sulfur Emissions B. The Permittee shall submit fuel supplier certifications to the Department upon request **[Reference: COMAR 26.11.09.07C**]. Control of NOx Emissions C. {See Record Keeping Condition 2.4 C., above} Operational Limitations D. {See Record Keeping Condition 2.4 D., above}

SECTION V INSIGNIFICANT ACTIVITIES

This section provides a list of insignificant emissions units that were reported in the Title V permit application. The applicable Clean Air Act requirements, if any, are listed below the insignificant activity.

(1) No. 6 Stationary internal combustion engines with an output less than 500 brake horsepower (373 kilowatts) and which are not used to generate electricity for sale or for peak or load shaving;

The are units are subject to the following requirements:

(A) COMAR 26.11.09.05E(2), Emissions During Idle Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at idle, greater than 10 percent opacity.

(B) COMAR 26.11.09.05E(3), Emissions During Operating Mode: The Permittee may not cause or permit the discharge of emissions from any engine, operating at other than idle conditions, greater than 40 percent opacity.

(C) Exceptions:

(i) COMAR 26.11.09.05E(2) does not apply for a period of 2 consecutive minutes after a period of idling of 15 consecutive minutes for the purpose of clearing the exhaust system.

(ii) COMAR 26.11.09.05E(2) does not apply to emissions resulting directly from cold engine start-up and warm-up for the following maximum periods:

(a) Engines that are idled continuously when not in service: 30 minutes
(b) all other engines: 15 minutes.

(iii) COMAR 26.11.09.05E(2) & (3) do not apply while maintenance, repair or testing is being performed by qualified mechanics.

(2) ✓ Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 Btu per hour;

(3) ✓ Equipment for drilling, carving, cutting, routing, turning, sawing, planing, spindle sanding, or disc sanding of wood or wood products;

(4) ✓ Brazing, soldering, or welding equipment, and cutting torches related;

(5) Containers, reservoirs, or tanks used exclusively for:

(a) No. 4 Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel; and

(b) No. 2 Storage of motor vehicle gasoline and having individual tank capacities of 2,000 gallons (7.6 cubic meters) or less.

SECTION VI STATE-ONLY ENFORCEABLE CONDITIONS

Emissions Unit Number(s)

Facility-wide

The Permittee is subject to the following State-only enforceable requirements:

1. Applicable Regulations:

   (A) COMAR 26.11.06.08 and 26.11.06.09, which generally prohibit the discharge of emissions beyond the property line in such a manner that a nuisance or air pollution is created.

   (B) COMAR 26.11.15.06, which prohibits the discharge of toxic air pollutants to the extent that such emissions will unreasonably endanger human health

   Note: Condition (2) does not apply to sources that are exempt under COMAR 26.11.15.03 B., i.e., gasoline refueling stations & fuel burning equipment.

2. Operating Conditions:
   (Compliance Requirement for Solar – Titan 130 CTs)
   (A) The Permittee shall modify the CT exhaust stacks in accordance with the letter to the Department (referenced) by removing the curved sections of the stacks (aka “goose necks”) and replacing them with straight sections.

   [Reference: Letter from SSA to Ralph Hall – dated Jan 8, 2008, received Jan 10, 2008]

   (B) In order to satisfy the odor and nuisance requirements the Permittee shall install a load bank in accordance with letter to the Department (referenced) to allow the generators to operate at higher efficiencies and thus reduce emissions and odors

   [Reference: Letter from SSA to Mitchell Gregor – dated May 29, 2008, received May 30, 2008]

3. Testing and Monitoring: {See Record Keeping and Reporting, Condition 4, below.}

4. Record Keeping and Reporting:

   The Permittee shall submit to the Department, by April 1 of each year during the term of this permit, a written certification of the results of an analysis of emissions of toxic air pollutants from the Permittee’s facility during the previous calendar year. The analysis shall include either:

(a) a statement that previously submitted compliance demonstrations for emissions of toxic air pollutants remain valid; or

(b) a revised compliance demonstration, developed in accordance with requirements included under COMAR 26.11.15 & 16, that accounts for changes in operations, analytical methods, emissions determinations, or other factors that have invalidated previous demonstrations.

SOCIAL SECURITY ADMINISTRATION
HEADQUARTERS
BALTIMORE, MARYLAND

January 2022

40 CFR PART 70
PERMIT TO OPERATE
APPLICATION FOR RENEWAL

TO

MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION MANAGEMENT ADMINISTRATION
BALTIMORE, MARYLAND

MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard ● Baltimore MD 21230
(410) 537-3000 ● 1-800-633-6101 ● http://www.mde.state.md.us

PART 70 PERMIT APPLICATION FOR RENEWAL

AIR AND RADIATION ADMINISTRATION

Facilities required to obtain a Part 70 permit under COMAR 26.11.03.01 must complete and return this form. Applications are incomplete unless all applicable information required by COMAR 26.11.03.03 and 26.11.03.13 is supplied. Failure to supply additional information required by the Department to enable it to act on the application may result in loss of the application shield and denial of this application.

Owner and Operator:

Name of Owner or Operator:	SOCIAL SECURITY ADMINISTRATION			
Street Address:	6401 SECURITY BOULEVARD			
City:	BALTIMORE	State: MD	Zip Code:	21235
Telephone Number	410-965-4314		Fax Number	410-597-1813

Facility Information:

Name of Facility: SOCIAL SECURITY ADMINISTRATION		
Street Address: 6401 SECURITY BOULEVARD		
City: BALTIMORE	State: MD	Zip Code: 21117
Plant Manager: CANDICE THOMPSON Director, Divison of Environmental Health and Industrial Hygiene	Telephone Number: 410-965-4313	Fax Number: 410-597-1813
24-Hour Emergency Telephone Number for Air Pollution Matters: Office of Environmental Health and Occupational Safety Emergency Cell: 410-504-9508		

List, on a separate page, the names and telephone numbers of other facility owners and persons with titles.

SECTION 1. CERTIFICATION STATEMENTS

1. Compliance Status with Applicable Enhanced Monitoring and Compliance Certification Requirements

The emissions units identified in this application are in compliance with applicable enhanced monitoring and compliance certification requirements.

2. Certification of Current Compliance with All Applicable Federally Enforceable Requirements

Except for the requirements identified in Section 7 of this application, for which compliance is not achieved, I hereby certify, based on information and belief formed after reasonable inquiry, that the facility is currently in compliance with all applicable federally enforceable requirements and agree that the facility will continue to comply with those requirements during the permit term.

You must complete a Section 7 form for each non-complying emissions unit.

3. Statement of Compliance with Respect to All New Applicable Requirements Effective During the Permit Term

I hereby state, based on information and belief formed after reasonable inquiry, that the facility agrees to meet, in a timely manner, all applicable federally enforceable requirements that become effective during the permit term, unless a more detailed schedule is expressly required by the applicable requirement.

4. Risk Management Plan Compliance

I hereby certify that, based on information and belief formed after reasonable inquiry, that a Risk Management Plan as required under ˜112(r) of the Clean Air Act:

[ ] has been submitted;

[ ] will be submitted at a future date; or

[X] does not need to be submitted.

5. Statement of Truth, Accuracy, and Completeness

"I certify, under penalty of law, that this document and all attachments were prepared under my direction or supervision and in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person(s) who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

RESPONSIBLE OFFICIAL:
X_____

SIGNATURE DATE

CANDICE THOMPSON
PRINTED NAME

DIRECTOR, DIVISION OF ENVIRONMENTAL HEALTH AND INDUSTRIAL HYGIENE
TITLE

SECTION 2. FACILITY DESCRIPTION SUMMARY

1. Major Activities of Facility

Briefly describe the major activities, including the applicable SIC Code(s) and end product(s).

PROCESS SOCIAL SECURITY CHECKS

OFFICE/ADMINISTRATIVE TYPE WORK

SIC CODE 94410102

2. Facility-Wide Emissions

A. This facility is required to obtain a Part 70 Operating Permit because it is: Check appropriate box:

- ☐ Actual Major
- ☒ Potential Major·
- ☐ Solid Waste Incineration Unit Requiring Permit Under § 129(e) of CAA

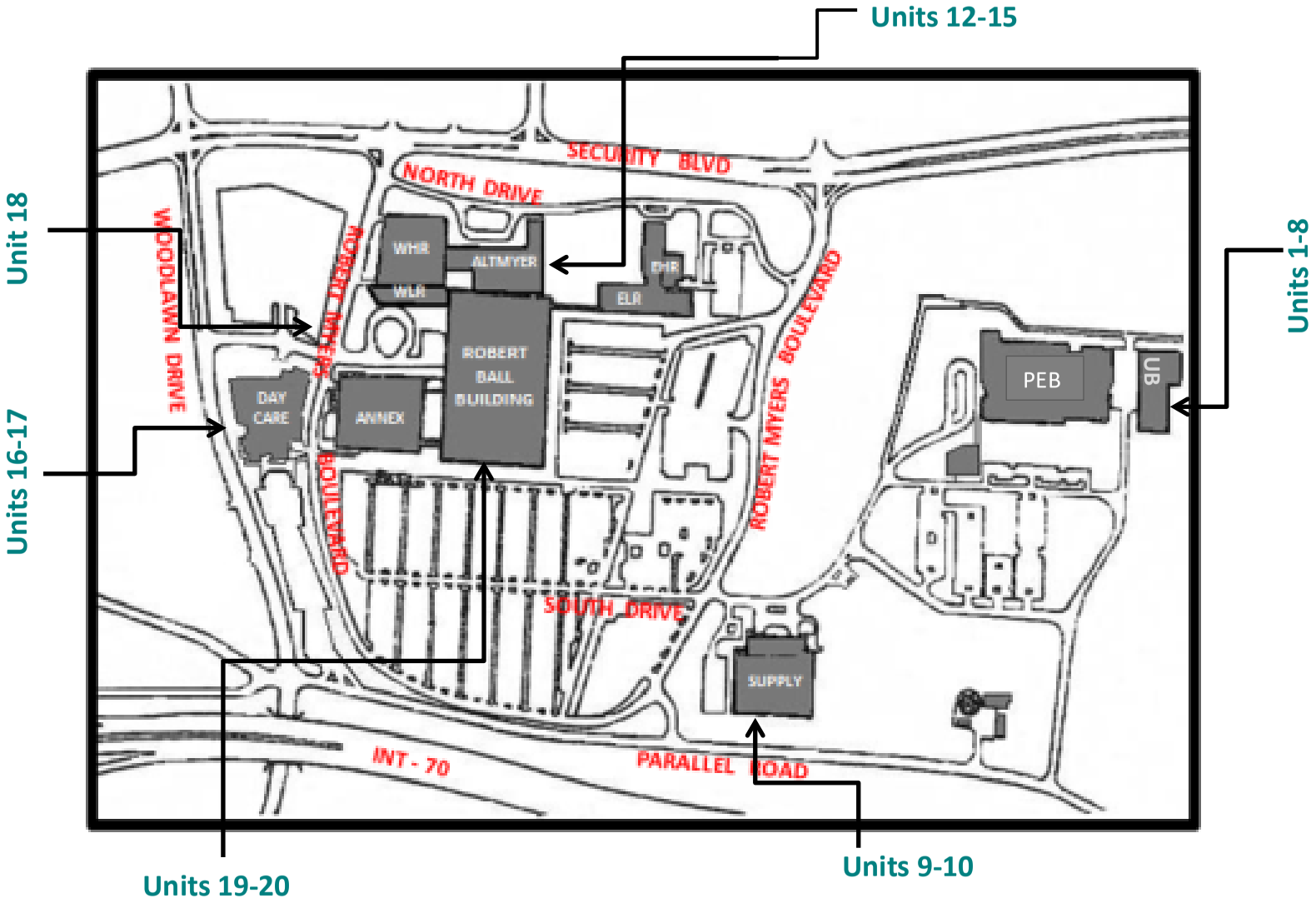
B. List the actual facility-wide emissions below:

PM10 0.16 NOx 9.67 VOC 0.76 SOx 0.50 CO 5.23 HAPs 5.3

3. Include With the Application:

Flow Diagrams showing all emissions units, emission points, and control devices;
Emissions Certification Report (copy of the most recent submitted to the Department.)

SSA WOODLAWN CAMPUS, MD: EMISSION UNIT LOCATIONS



Note: *Unit Locations Align with SSA unit numbering on page 7*

EMISSIONS UNIT DESCRIPTIONS

Emission units identified for Title V Application are listed below.

Blue Font Denotes Change From Previous Title V Application

No.[a]	Status	MDE Registration	Description	Output/ Capacity	Input MMBtu/h	Fuel	Building/ Location
4	E	9-1180	CGT	15.1 MW_e[c]	127.6[d]	K-1/NG	UB
5	E	9-1181	CGT	15.1 MW_e[c]	127.6[d]	K-1/NG	UB
6	E	9-1182	CGT	15.1 MW_e[c]	127.6[d]	K-1/NG	UB
7	E	9-1180	Blackstart Engine	500 kW_e	5.2	K-1	UB
8	E	9-1181	Blackstart Engine	500 kW_e	5.2	K-1	UB
9	E	9-1182	Blackstart Engine	500 kW_e	5.2	K-1	UB
10	E	5-2377	Boiler[b]	5 MMBtu/h	6.3	K-1/NG	UB
11	E	5-2378	Boiler[b]	5 MMBtu/h	6.3	K-1/NG	UB
13	E	5-2358	Boiler[b],[b1]	3.6 MMBtu/h	4	NG	SB
14	E	5-2359	Boiler[b],[b1]	3.6 MMBtu/h	4	NG	SB
15	E	5-0889	Boiler[b]	32 MMBtu/h	40	**NG/#2FO**	AB
16	E	5-0074	Boiler[b]	25 MMBtu/h	31.3	**NG/#2FO**	AB
17	E	5-0075	Boiler[b]	25 MMBtu/h	31.3	**NG/#2FO**	AB
18	E	5-2302	Boiler[b]	14.5 MMBtu/h	18.1	NG/#2FO	AB
19	E	5-2582	Boiler[b]	1.5 MMBtu/h	1.9	NG	CC
20	E	5-1737	Boiler[b]	1.5 MMBtu/h	1.9	NG	CC
21	E	9-0403	UG, Gasoline Tank	20,000 gal	NA	Gasoline	G Lot
22	E	9-1362	EG	1000 kW	10.3	#2 FO	SSA
26	N	9-1436	EG	750 kW	7.75	#2 FO	AB
27	N	9-1437	EG	750 kW	7.75	#2 FO	RMB

[a] Unit 12 (5-1650) has been removed and has not been replaced with any unit. Units 10 (5-1635), 11 (5-1636), 13 (5-1575) and 14 (5-1576) have been replaced with 5-2377, 5-2378, 5-2358 and 5-2359, respectively. ***Notes from Previous Title V Application:*** *Units 1-3 are the old combustion gas turbine units that were replaced by units 4-6. Units 18 (5-1609), 23 (9-1363) and 24 (9-1364) have been removed and replaced with units 18 (5-2302; replaced, same location), 26 (9-1436) and 27 (9-1437), respectively.*

[b] 80% efficiency assumed for boiler output to fuel input ratio.

[b1] 92% average efficiency assumed for boiler output to fuel input ratio for condensing boilers.

[c] Turbine output is listed; electrical output is limited to 11 MW_e by the generator

[d] Fuel input based on manufacturer's data

KEY: E = Existing; CGT = Combustion Gas Turbine; EG = Emergency Generator; UG = Underground; K-1 = Kerosene; NG = Natural Gas; UB = Utility Building; SB = Supply Building; AB = Altmeyer Building; CC = Childcare Center; RMB = Robert M Ball (Operations Building); **#2 FO = #2 Fuel Oil**

Units: 1 MMBtu = 1,000,000 Btu; 1 kW = 1,000 Watts; 1 ton = 12,000 Btu/h; 1 MW_e = 1,000,000 Watts

(Note: SSA Unit numbering updated in 2019. Please reference this page for Section 3A)

List of Title V Emission Sources

(*Note: unit numbering was updated in 2019 written program. Data & registration number aligns with page 6 of application*)

Emissions Unit Number	MDE Registration Number	Emissions Unit Name and Description	Date of Installation
1	9-1180	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW– Utility Bldg.	12/2003
2	9-1181	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW– Utility Bldg	09/2005
3	9-1182	Solar – Titan 130 kerosene fired gas turbine, rated at 15 MW – Utility Bldg	05/2006
4	9-1180	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
5	9-1181	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
6	9-1182	749-bhp/500 kW kerosene fired “black-start” I/C engine – Utility Bldg	2003
7	5-2377	Hurst – 6.3 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
8	5-2378	Hurst – 6.3 MMBH – dual (N.G. – Primary/ K1 – Backup) fired boiler - Utility Bldg	06/2016
9	5-2358	Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.	08/2014
10	5-2359	Fulton – 4 MMBH natural gas fired boiler – Supply Bldg.	08/2014
12	5-0889	Cleaver Brooks - 32 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1979 / Mod 09/2016
13	5-0074	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler -Altmeyer Bldg	1958 / Mod 09/2016
14	5-0075	Erie Boiler - 27 MMBH – dual (N.G. – Primary/ No. 2 oil – Backup) fired boiler - Altmeyer Bldg	1958 / Mod 09/2016
15	5-2302	Babcock & Wilcox - 18.7 MMBH - dual (N.G. – Primary/ No. 2 oil – Backup) Altmeyer Bldg	2012
16	5-2582	Lochinvar boiler - 1.9 MMBH – natural gas fired boiler - Day Care Bldg.	2002
17	5-1737	Lochinvar boiler - 1.9 MMBH - natural gas fired boiler - Day Care Bldg.	2003
18	9-0403	20,000 gal. Gasoline/E-85 UST - West Complex U-Lot	1994
19	9-1436	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012
20	9-1437	750 kW / 1220-Bhp Cummins model DQCB Tier 2 EDG	2012

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: 1 1a. Date of installation (month/year): **December 2003**	2. MDE Registration No.:(if applicable) **9-1180**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Dual fuel (kerosene and natural gas), combustion gas turbine made by Solar Turbines, Inc. Titan gas turbine, single point emission from the stack for the exhaust flue gases. Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **Estimated not to exceed 168 hours of operation per year**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **kerosene (K-1)**	**not to exceed 0.05% by weight**	**21,500 MMBtu/yr**
2. **Natural gas**	**1 gr/100 standard cubic foot**	**21,500 MMBtu/yr**
3.		

6. Emissions in Tons: **(emissions are for kerosene firing estimated at 168h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **4.19** SOx **0.47** VOC **0.38** PM10 **0.03** HAPs **6.5**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **2** 1a. Date of installation (month/year): **September 2005**	2. MDE Registration No.:(if applicable) **9-1181**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Dual fuel (kerosene and natural gas), combustion gas turbine made by Solar Turbines, Inc. Titan gas turbine, single point emissions from the stack for the exhaust flue gases. Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **not to exceed 168 hours of operation per year**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**kerosene (K-1)**	**not to exceed 0.05% by weight**	**21,500 MMBtu/ yr**
2.	**natural gas**	**1 gr/100 standard cubic foot**	**21,500 MMBtu/yr**
3.			

6. Emissions in Tons:

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **4.19** SOx **0.47** VOC **0.38** PM10 **0.03** HAPs **6.5**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **3** 1a. Date of installation (month/year):	2. MDE Registration No.:(if applicable) **9-1182**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Dual fuel (kerosene and natural gas), combustion gas turbine made by Solar Turbines, Inc. Titan gas turbine, single point emission from the stack for the exhaust flue gases. Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **Not to exceed 168 hours of operation per year.**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Kerosene (K-1)**	**Not to exceed 0.05% by weight**	**21,500 MMBtu/yr**
2.	**Natural gas**	**1 gr/100 standard cubic foot**	**21,500 MMBtu/yr**
3.			

6. Emissions in Tons:

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **4.19** SOx **0.47** VOC **0.38** PM10 **0.03** HAPs **6.5**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **4** 1a. Date of installation (month/year): **May 2003**	2. MDE Registration No.:(if applicable) **9-1180**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Caterpillar 3412 Black Start internal combustion engine, single point of emission from the stack for exhaust flue gases. Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **Not to exceed 50 hours of operation per year**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Kerosene (K-1)**	**not to exceed 0.05% by weight**	**260 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emission are for kerosene firing estimated at 50 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.36** SOx **0.006** VOC **0.002** PM10 **0.01** HAPs **0.40**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **5** 1a. Date of installation (month/year): **May 2003**	2. MDE Registration No.:(if applicable) **9-1181**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Caterpillar 3412 Black Start internal combustion engine, single point of emission from the stack for exhaust flue gases. Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **Not to exceed 50 hours of operation per year**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Kerosene (K-1)**	**not to exceed 0.05% by weight**	**260 MMBtu/yr**
2.		
3.		

6. Emissions in Tons: **(emission are for kerosene firing estimated at 50 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.36** SOx **0.01** VOC **0.02** PM10 **0.01** HAPs **0.40**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **6** 1a. Date of installation (month/year): **May 2003**	2. MDE Registration No.:(if applicable) **9-1182**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Caterpillar 3412 Black Start internal combustion engine, single point of emission from the stack for exhaust flue gases.

Located at the Utility Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference: **not to exceed 50 hours of operation per year**

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Kerosene (K-1)**	**not to exceed 0.05% by weight**	**260 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emissions are for kerosene firing estimated at 50 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.36** SOx **0.01** VOC **0.002** PM10 **0.01** HAPs **0.40**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **7** 1a. Date of installation (month/year): **June 2016**	2. MDE Registration No.:(if applicable) **5-2377**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Hot water boiler made by Hurst (model S1-150-G0-100-CON), single point emissions from the stack for the exhaust flue gases. Dual fuel capability (natural gas/ kerosene). Located at the Utility Building.

Note: replaced unit 5-1635

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Kerosene (K-1)**	**not to exceed 0.05% by weight**	**19,845 MMBtu/yr**
2. **Natural gas**	**1 gr/100 standard cubic foot**	**19,845 MMBtu/yr**
3.		

6. Emissions in Tons: **(emission for natural gas firing, at 3150 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.99** SOx **0.01** VOC **0.06** PM10 **0.02** HAPs **2.0**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **8** 1a. Date of installation (month/year): **June 2016**	2. MDE Registration No.:(if applicable) **5-2378**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Hot water boiler made by Hurst (model S1-150-G0-100-CON), single point emission from the exhaust flue gases. Duel fuel capability (natural gas/kerosene). Located at the Utility Building.

Note: replaced unit 5-1636

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Kerosene (K-1)**	**not to exceed 0.05% by weight**	**19, 845 MMBtu/yr**
2. **Natural gas**	**1 gr/ 100 standard cubic foot**	**19, 845 MMBtu/yr**
3.		

6. Emissions in Tons: **(emission for natural gas firing at 3150 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.99** SOx **0.01** VOC **0.06** PM10 **0.02** HAPs **2.0**

(note: HAP include CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **9** 1a. Date of installation (month/year): **August 2014**	2. MDE Registration No.:(if applicable) **5-2358**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Fulton Boiler, single point emission from the stack for the exhaust flue gases. It is located at the Supply Building. Note: Replaced unit 5-1575.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Natural gas**	**1 gr/100 standard cubic foot**	**8,480 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emissions for natural gas firing at 2120 h/yr**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.42** SOx **0.003** VOC **0.02** PM10 **0.008** HAPs **0.84**

(note: HAP includes CO and 187 Toxic Air Pollutant)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **10** 1a. Date of installation (month/year): **August 2014**	2. MDE Registration No.:(if applicable) **5-2359**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Fulton Boiler, single point emission from the stack for the exhaust flue gases. It is located at the Supply Building. Replaced 5-1575.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Natural gas**	**1 gr/100 standard cubic foot**	**8,480 MMBtu/yr**
2.		
3.		

6. Emissions in Tons: **(emission for natural gas firing at 2120 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.42** SOx **0.003** VOC **0.02** PM10 **0.008** HAPs **0.84**

(note: HAP includes CO and 187 Toxic Air Pollutant

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **12** 1a. Date of installation (month/year): **1979/ Mod September 2016**	2. MDE Registration No.:(if applicable) **5-0889**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Cleaver Brooks, single point emission from the stack for the exhaust flue gases. converted to dual-fuel capability in September 2016, to burn #2 fuel oil in case of natural gas interruption. Located at the Altmeyer Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Natural gas**	**1 gr/100 standard cubic foot**	**28,800 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(Emissions for natural gas firing at 720 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **1.44** SOx **0.01** VOC **0.08** PM10 **0.027** HAPs **2.8**

(note: HAP includes CO and 187 Toxic Air Pollutant)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **13** 1a. Date of installation (month/year): **1958/Mod September 2016**	2. MDE Registration No.:(if applicable) **5-0074**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired steam boiler made by Erie City Corporation, single point emission from the stack for the exhaust flue gases. converted to dual-fuel capability in September 2016, to burn #2 fuel oil in case of natural gas interruption. Located at the Altmeyer Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Natural gas**	**1 gr/100 standard cubic foot**	**22,536 MMBtu/yr**
2.		
3.		

6. Emissions in Tons:

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **1.13** SOx **0.01** VOC **0.06** PM10 **0.021** HAPs **2.2**

(note: HAP includes CO and 187 Toxic Air Pollutant)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **14** 1a. Date of installation (month/year): **1958/ Mod September 2016**	2. MDE Registration No.:(if applicable) **5-0075**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired steam boiler made by Erie City Corporation, single point emission from the stack for the exhaust flue gases. Converted to dual-fuel capability in September 2016, to burn #2 fuel oil in case of natural gas interruption. Located at the Altmeyer Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Natural gas**	**1 gr/100 standard cubic foot**	**22,536 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emissions for natural gas firing at 720 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **1.13** SOx **0.01** VOC **0.06** PM10 **0.021** HAPs **2.2**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **15** 1a. Date of installation (month/year): **February 2012**	2. MDE Registration No.:(if applicable) **5-2302**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Babcox and Wilcox, single point emission from the stack for the exhaust flue gases.

Dual-fuel capable; burns #2 fuel oil in case of natural gas interruption. Located at the Altmeyer Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Natural gas**	**1 gr/100 standard cubic foot**	**13,032 MMBtu/yr**
2.		
3.		

6. Emissions in Tons: **(emissions for natural gas firing at 720 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.65** SOx **0.004** VOC **0.04** PM10 **0.012** HAPs **1.3**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **16** 1a. Date of installation (month/year): **July 2002**	2. MDE Registration No.:(if applicable) **5-2582**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Lochinvar Corporation, single point emissions from the stack for the exhaust flue

Located at the Child Care Center.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**Natural gas**	**1 gr/100 standard cubic foot**	**8,200 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emissions for natural gas firing at 4300 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.41** SOx **0.002** VOC **0.02** PM10 **0.008** HAPs **0.8**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **17** 1a. Date of installation (month/year): **April 2003**	2. MDE Registration No.:(if applicable) **5-1737**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Gas-fired hot water boiler made by Lochinvar Corporation, single point emission from the stack for the exhaust flue gases

Located at the Child Care Center.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Natural gas**	**1 gr/100 standard cubic foot**	**8,200 MMBtu/yr**
2.		
3.		

6. Emissions in Tons: **(emission for natural gas firing at 4,300 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.41** SOx **0.002** VOC **0.02** PM10 **0.008** HAPs **0.8**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **18** 1a. Date of installation (month/year): **September 1994**	2. MDE Registration No.:(if applicable) **9-0403**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

Fiberglass, underground, double-wall, 25000-gallon gasoline (actually E-85) storage tank, 34 feet long and 10 feet in diameter. Located at the West Building Complex U-Lot.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **Gasoline (E-85)**		**25,000 gallons**
2.		
3.		

6. Emissions in Tons: **(fugitive emissions for 8760 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.0** SOx **0.0** VOC **0.112** PM10 **0** HAPs **0.112**

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **19** 1a. Date of installation (month/year): **2012**	2. MDE Registration No.:(if applicable) **9-1436**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

750 kW/ 1220-bhp Cummins model DQCB Tier2, #2 fuel oil fired emergency generator. Located at the Altmeyer Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

	Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1.	**#2 Oil**		**62 MMBtu/yr**
2.			
3.			

6. Emissions in Tons: **(emissions for #2 fuel oil firing at 8 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.137** SOx **0.009** VOC **0.112** PM10 **0.009** HAPs **0.19**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3A. EMISSIONS UNIT DESCRIPTIONS

1. Emissions Unit No.: **20** 1a. Date of installation (month/year): **2012**	2. MDE Registration No.:(if applicable) **9-1437**

3. Detailed description of the emissions unit, including all emission point(s) and the assigned number(s):

750 kW/ 1220-bhp Cummins model DQCB Tier2, #2 fuel oil fired emergency generator. Located at Robert M. Ball Building.

4. Federally Enforceable Limit on the Operating Schedule for this Emissions Unit:

General Reference:_____

Continuous Processes: _____ hours/day _____ days/year

Batch Processes: _____ hours/batch _____ batches/day

_____ days/year

5. Fuel Consumption:

Type(s) of Fuel	% Sulfur	Annual Usage (specify units)
1. **#2 Oil**		**62 MMBtu/yr**
2.		
3.		

6. Emissions in Tons: **(emissions for #2 furl oil firing at 8 h/yr)**

A. Actual Major: _____ Potential Major: **X** (note: before control device)

B. Actual Emissions: NOx **0.137** SOx **0.009** VOC **0.112** PM10 **0.009** HAPs **0.19**

(note: HAP includes CO and 187 Toxic Air Pollutants)

SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Emissions Unit No.: 1, 2 and 3 **General Reference:** Titan Emergency Generator (* 9-1180, 9-1181, 9-1182)

Briefly describe the Emission Standard/Limit or Operational Limitation:
1. SOx not to exceed 15 percent oxygen on a dry basis; 2. Fuel sulfur content not to exceed 0.05 percent by weight; 3. For distillate oils, fuel sulfur content not to exceed 0.3 percent by weight; 4. The Titan CTs designed integrally equipped with Dry Low NOx injectors and are incapable of operating without the Dry Low NOx combustion, therefore there are no parameters to monitor. 5. each titan expected to operate 168 hrs or less per year 6. only kerosene or natural gas can be used as fuel in unit. Other fuel sources require MDE approval

Permit Shield Request: NA

Compliance Demonstration:

Check appropriate reports required to be submitted:

- ☐ Quarterly Monitoring Report:
- ☒ Annual Compliance Certification:
- ☒ Semi-Annual Monitoring Report:

Methods used to demonstrate compliance:

Monitoring: Reference COMAR 26.11.09.05 Describe: Visible emissions (VE) observation of stack emissions for a 12-minute period once a month of operation on kerosene or at a minimum once a year

Testing: Reference Describe:

Record Keeping: Reference Describe:

Reporting: Reference Describe:

Frequency of submittal of the compliance demonstration: Semi-annual and Annual

SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Emissions Unit No.: 4,5 and 6 **General Reference:** Caterpillar Black Start Engine

Briefly describe the Emission Standard/Limit or Operational Limitation:

1. **SOx not to exceed 15 percent oxygen on a dry basis**
2. **Fuel sulfur content not to exceed 0.05 percent by weight**
3. **For distillate oils, fuel sulfur content not to exceed 0.3 percent by weight**
4. **The operating hours per unit cannot exceed 50/yr for non-emergency use**

Permit Shield Request: **N/A**

Compliance Demonstration:

Check appropriate reports required to be submitted:

- ☐ Quarterly Monitoring Report:
- ☒ Annual Compliance Certification:
- ☐ Semi-Annual Monitoring Report:

Methods used to demonstrate compliance:

Monitoring: Reference Describe:

VE: COMAR 26.11.09.05E; 26.11.03.06C
SOx: COMAR 26.11.09.07
NOx: 26.11.09.08

Testing: Reference **See above** Describe:

Record Keeping: Reference **COMAR 26.11.03.06C** Describe:

Maintain a log of the unit's runtime and the fuel use, and report annually to MDE. Maintenance records in accordance with RICE (40 CFR 63 Supart ZZZZ) requirements

Reporting: Reference **see 1. below** Describe: **see 2. below**

1. **Annual report to MDE**
2. **Runtime fuel use will be reported annually for the unit**

Frequency of submittal of the compliance demonstration: **Annual**

SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Emissions Unit No.: 7 throug 17 (*) **General Reference:** Steam and Hot Water Boilers

(*5-2377, 5-2378, 5-2358, 5-2359, 5-0889, 5-0074, 5-0075, 5-2302, 5-2582, 5-1737)

Briefly describe the Emission Standard/Limit or Operational Limitation:

1. For visual emissions (VE) Sections A(1) & A(2) if the reg does not apply to the emissions during load changes, soot blowing, startup or adjustments or occasional cleaning of control equipment if: (a) VE are not greater than 40% opacity; (b) VE do not occur for more than 6 consecutive minutes in any 60-minute period

2. fuel oil sulfur content not to exceed 0.05 percent by weight; 3. O&M plan to minimize NOx and have O&m docs available for MDE review upon request

4. operators attend in-state training program every 3 yrs & the program record be available for MDE review

5. Only #2 fuel oil or natural gas can be used as fuel in the unit. Any other fuel source my be approved by MDE

6. If using fuel oil, VE be observed for a 6-minute period monthly. No VE observation required for natural gas

Permit Shield Request: **N/A**

Compliance Demonstration:

Check appropriate reports required to be submitted:

- ☐ Quarterly Monitoring Report:
- ☒ Annual Compliance Certification:
- ☒ Semi-Annual Monitoring Report:

Methods used to demonstrate compliance:

Monitoring: Reference **See Below** Describe:

VE: COMAR 26.11.09.05A

SOx: COMAR 26.11.09.07A

NOx: COMAR 26.11.09.08

Testing: Reference **Please see above** Describe:

If using fuel oil, VE be observed for a 6-minute period monthly. No VE observation required for natural gas

Record Keeping: Reference **COMAR 26.11.03.06C** Describe:

1. **O&M plan/docs be available for MDE review upon request**
2. **Operators to attend in-state training program every 3 years & the program record be available for MDE review**

Reporting: Reference **Please see above** Describe:

1. **Semi annual and annual compliance report to MDE**
2. **Annual emissions reporting to MDE**
3. **If oil is used, retain info on the oil supplier, sulfur content, testing method, etc.**

Frequency of submittal of the compliance demonstration: **Semi-annual and Annual**

SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Emissions Unit No.: 18 **General Reference:** E-85 storage tank

Briefly describe the Emission Standard/Limit or Operational Limitation:

Visual checks of leaks, if any;

Maintain records of leaks;

Repair leaks within 48 hours of observation, but within 15 days;

Maintenance records and parts replacement information be kept on file up to five years and be available for MDE review upon request

Permit Shield Request: **N/A**

Compliance Demonstration:

Check appropriate reports required to be submitted:

- ☐ Quarterly Monitoring Report:
- ☒ Annual Compliance Certification:
- ☐ Semi-Annual Monitoring Report:

Methods used to demonstrate compliance:

Monitoring: Reference Describe: **None**

leaks to be observed and recorded

Testing: Reference **None** Describe:

Record Keeping: Reference **COMAR 26.11.24.07D** Describe:

1. Maintain records of leaks, if any, and details on parts replacement for up to five years;

2. Retain maintenance and inspection reports for five years

Reporting: Reference **COMAR 26.11.13.04C** Describe:

Annual emissions certification

On-site information retention per COMAR 26.11.03.06C

Frequency of submittal of the compliance demonstration: **ANNUAL**

SECTION 3B. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Emissions Unit No.: 19, 20 **General Reference:** Emergency Generator

Briefly describe the Emission Standard/Limit or Operational Limitation:

1. Maintain less than 10% opacity at idle and less than 40% opacity in non-idle conditions
2. Fuel sulfur content not to exceed 0.05 percent by weight;
3. Operation permissible for emergencies, maintenance and testing;
4. No operation permitted between midnight & 2PM on any Code Orange, Red or Purple day;
5. Runtime for maintenance and readiness testing restricted to 100 hours annually

Permit Shield Request: N/A

Compliance Demonstration:

Check appropriate reports required to be submitted:

- ☐ Quarterly Monitoring Report:
- ☒ Annual Compliance Certification:
- ☐ Semi-Annual Monitoring Report:

Methods used to demonstrate compliance:

Monitoring: Reference Describe: NONE

COMAR 26.11.03.06C

NOx: COMAR 26.11.09.08G

Testing: Reference NONE Describe: N/A

Record Keeping: Reference See 1 Describe: See 2

1. SSA will maintain for 5 yrs on-site: the name of fuel supplier, date of delivery, quantity of fuel delivered, statement that the fuel oil complies with 40 CFR 80.510
2. SSA will maintain for 3 yrs on-site: actual hours of operation, the fuel use, and reasons for operation;
3. Provide operator training on combustion optimization every 3 yrs and maintain records of the training on-site for a period of 3 years
4. Keep on file the generator manufacturer name, date of manufacturer, model, install date and certificates of compliance or manufacturer's test data

Reporting: Reference Describe:

Frequency of submittal of the compliance demonstration: Semi-annual and Annual

SECTION 3C. OBSOLETE, EXTRANEOUS, OR INSIGNIFICANT PERMIT CONDITIONS

List permit to construct conditions which should be considered to be obsolete, extraneous, or environmentally insignificant.

Emissions Unit No.: _____Permit to Construct No. _____

Emissions Point No.	Date Permit Issued	Condition No.	Brief Description of Condition and Reason for Exclusion
5-1650	**02-1999**	**-**	**absorption chiller- removed from site**
5-1635	**09-1998**	**-**	**Replaced with unit 5-2377**
5-1636	**09-1998**	**-**	**Replaced with unit 5-2378**
5-1575	**06-1995**	**-**	**Replaced with unit 5-2358**
5-1576	**06-1995**	**-**	**Replaced with unit 5-2359**
	End of Listing		

SECTION 3D. ALTERNATE OPERATING SCENARIOS

Emissions Unit No.: **Not applicable**

Briefly describe any alternate operating scenarios. Assign a number to each scenario for identification purposes.

Does not apply to SSA

SECTION 3E. CITATION TO AND DESCRIPTION OF APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS FOR AN ALTERNATE OPERATING SCENARIO

Scenario No.: Not applicable

Emissions Unit No.: Not applicable **General Reference:** _____

Briefly describe any applicable Emissions Standard/Limits/Operational Limitations:

Not applicable to SSA

Compliance Demonstration

Methods used to demonstrate compliance:

Monitoring: Reference _____ Describe: _____

Not applicable

Testing: Reference _____ Describe: _____

not applicable

Record Keeping: Reference _____ Describe: _____

not applicable

Reporting: Reference _____ Describe: _____

not applicable

Frequency of submittal of the compliance demonstration: _____

SECTION 4. CONTROL EQUIPMENT

1. Associated Emissions Units No. : **1-3**	2. Emissions Point No.: **1-3**

3. Type and Description of Control Equipment:

SoLoNOx, dry low NOx combustion technology- capable of achieving 25ppm dry volume at 15% oxygen (25ppmDV@15%O_2) for natural gas firing and 96 PPMDV@ 15%O_2 for kerosene firing.

Note that SoLoNOx is an in-built technology and not an emission-control equipment.

4. Pollutants Controlled: **NOx**	Control Efficiency: **not applicable**

5. Capture Efficiency: **not applicable**

SECTION 5 SUMMARY SHEET OF POTENTIAL EMISSIONS

List all applicable pollutants in tons per year (tpy) pertaining to this facility. The Emissions Unit No. should be consistent with numbers used in Section 3. Attach a copy of all calculations

Pollutant	NOx	CO	VOC	TSP/PM10	SOx
CAS Number	-	-	-	-	-
Emission Unit 4	4.19	1.33	0.38	0.13 / 0.039	0.47
Emission Unit 5	4.19	1.33	0.38	0.13 / 0.039	0.47
Emission Unit 6	4.19	1.33	0.38	0.13 / 0.039	0.47
Emission Unit 7	0.36	0.01	0.00	0.01 / 0.003	0.01
Emission Unit 8	0.36	0.01	0.00	0.01 / 0.003	0.01
Emission Unit 9	0.36	0.01	0.00	0.01 / 0.003	0.01
Emission Unit 10	0.99	0.83	0.06	0.07 / 0.021	0.01
Emission Unit 11	0.99	0.83	0.06	0.07 / 0.021	0.01
Emission Unit 13	0.42	0.36	0.02	0.03 / 0.009	0.00
Emission Unit 14	0.42	0.36	0.02	0.03 / 0.009	0.00
Emission Unit 15	1.44	1.21	0.08	0.1 / 0.03	0.01
Emission Unit 16	1.13	0.95	0.06	0.08 / 0.024	0.01
Emission Unit 17	1.13	0.95	0.06	0.08 / 0.024	0.01
Emission Unit 18	0.65	0.55	0.04	0.04 / 0.012	0.00
Emission Unit 19	0.41	0.34	0.02	0.03 / 0.009	0.00
Emission Unit 20	0.41	0.34	0.02	0.03 / 0.009	0.00
Emission Unit 21	0.00	0.00	0.112	0 / 0	0.00
Emission Unit 22	0.13	0.04	0.000	0.004 / 0.0012	0.012
Emission Unit 26	0.14	0.009	0.011	0.009 / 0.0027	0.026
Emission Unit 27	0.14	0.009	0.011	0.009 / 0.0027	0.026
Fugitive Emissions[(a)]	0.00	0.00	0.112	0.000	0.000
Total (***see Note (a)***)	**22.05**	**10.79**	**1.72**	**1.1 / 0.33**	**1.53**

Unit 12 (5-1650) has been removed and has not been replaced with any unit. Units (boilers) 10, 11, 13 and 14 have been replaced with new units. ***Notes from Previous Title V Application:*** *Units 1-3 are the old combustion gas turbine units that were replaced by units 4-6. Unit 18 has been replaced with the new unit listed above. Units 23 (not shown) and 24 (not shown) have been removed and replaced with new units 26 and 27, respectively.*

[(a)] *Fugitive emission already reported for Unit 21, and is not included in the total to avoid double counting*

Emissions calculations for the above table, equipment data and AP-42 emission factors are provided in the appendix, as part of the attached Emissions Certification Report for Jan-Dec 2016

TSP = Total Suspended Particles

SECTION 6. EXPLANATION OF PROPOSED EXEMPTIONS FROM OTHERWISE APPLICABLE FEDERALLY ENFORCEABLE REQUIREMENTS

Describe and cite the applicable requirements to be exempted. Complete this Section only if the facility is claiming exemptions from or the non-applicability of any federally enforceable requirements.

1. Applicable Requirement:

Not applicable

2. Brief Description:

3. Reasons for Proposed Exemption or Justification of Non-applicability:

SECTION 7. COMPLIANCE SCHEDULE FOR NONCOMPLYING EMISSIONS UNITS

1. Emissions Unit #	Anticipated Compliance Date
not applicable	
Applicable Federally Enforceable Requirement being Violated: **not applicable**	

2. Description of Plan to Achieve Compliance:

not applicable

Certified Progress Reports for sources in noncompliance shall be submitted at least quarterly to the Department.

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STATE-ONLY ENFORCEABLE REQUIREMENTS

Facility Information:

Name of Facility: **Social Security Administration**	County **Baltimore**
Premises Number: **005-0282**	
Street Address: **6401 Security Boulevard, Baltimore, MD 21235**	
24-hour Emergency Telephone Number for Air Pollution Matters: **Office of Environmental Health and Occupational Safety, Cell: 410-504-9508**	
Type of Equipment (List Significant Units): **Please refer to Table on page 5 of the submission for additional information**	
1. #1 oil-fired combustion gas turbines (CGTs)	
2. Black start engines for CGTs	
3. gas-fired steam boilers	
4. gas-fired hot-water boilers	
5. #2 oil-fired emergency generators	
6. Gasoline storage tank	

CITATION TO AND DESCRIPTION OF APPLICABLE STATE-ONLY ENFORCEABLE REQUIREMENTS

Registration No.: NA

Emissions Unit No.: NA **General Reference:**_____

Briefly describe the requirement and the emissions limit (if applicable):

not applicable

Methods used to demonstrate compliance:

MARYLAND DEPARTMENT OF THE ENVIRONMENT
AIR AND RADIATION ADMINISTRATION
RENEWAL TITLE V APPLICATION INSIGNIFICANT ACTIVITIES LIST

III. Check-off List of Emissions Units and Activities Exempt from the Part 70 Permit Application

Insignificant Activities

Place a check mark beside each type of emissions unit or activity that is located at the facility. Where noted, please indicate the number of that type of emissions unit or activity located at the facility.

(1) No. ___ Fuel burning equipment using gaseous fuels or no. 1 or no. 2 fuel oil, and having a heat input less than 1,000,000 Btu (1.06 gigajoules) per hour;

(2) No. ___ Fuel-burning equipment using solid fuel and having a heat input of less than 350,000 Btu (0.37 gigajoule) per hour;

X (3) No. **4** Stationary internal combustion engines with less than 500 brake horsepower (373 kilowatts)of power output

(4) ___ Space heaters utilizing direct heat transfer and used solely for comfort heat;

(5) ___ Water cooling towers and water cooling ponds unless used for evaporative cooling of water from barometric jets or barometric condensers, or used in conjunction with an installation requiring a permit to operate;

(6) No. __ Unheated VOC dispensing containers or unheated VOC rinsing containers of 60 gallons (227 liters) capacity or less;

X (7) **1** Commercial bakery ovens with a rated heat input capacity of less than 2,000,000 Btu per hour;

(8) ___ Kilns used for firing ceramic ware, heated exclusively by natural gas, liquefied petroleum gas, electricity, or any combination of these;

(9) ___ Confection cookers where the products are edible and intended for human consumption;

(10) ___ Die casting machines;

(11) ___ Photographic process equipment used to reproduce an image upon sensitized material through the use of radiant energy;

X (12) **33** Equipment for drilling, carving, cutting, routing, turning, sawing, planing, spindle sanding, or disc sanding of wood or wood products;

(13) ___ Brazing, soldering, or welding equipment, and cutting torches related to manufacturing and construction activities that emit HAP metals and not directly related to plant maintenance, upkeep and repair or maintenance shop activities;

(14) ___ Equipment for washing or drying products fabricated from metal or glass, provided that no VOC is used in the process and that no oil or solid fuel is burned;

(15) ___ Containers, reservoirs, or tanks used exclusively for electrolytic plating work, or electrolytic polishing, or electrolytic stripping of brass, bronze, cadmium, copper, iron, lead, nickel, tin, zinc, and precious metals;

(16) Containers, reservoirs, or tanks used exclusively for:

(a) ___ Dipping operations for applying coatings of natural or synthetic resins that contain no VOC;

(b) ___ Dipping operations for coating objects with oils, waxes, or greases, and where no VOC is used;

(c) ___ Storage of butane, propane, or liquefied petroleum, or natural gas;

(d) No. ___ Storage of lubricating oils:

(e) No. ___ Unheated storage of VOC with an initial boiling point of 300 °F (

X (f) No. **4** Storage of Numbers 1, 2, 4, 5, and 6 fuel oil and aviation jet engine fuel,

X (g) No. **2** Storage of motor vehicle gasoline and having individual tank capacities of 2,000 gallons (7.6 cubic meters) or less;

(h) No. ___ The storage of VOC normally used as solvents, diluents, thinners, inks, colorants, paints, lacquers, enamels, varnishes, liquid resins, or other surface coatings and having individual capacities of 2,000 gallons (7.6 cubic meters) or less;

(17) ___ Gaseous fuel-fired or electrically heated furnaces for heat treating glass or metals, the use of which does not involve molten materials;

(18) Crucible furnaces, pot furnaces, or induction furnaces, with individual capacities of 1,000 pounds (454 kilograms) or less each, in which no sweating or distilling is conducted, or any fluxing is conducted using chloride, fluoride,

or ammonium compounds, and from which only the following metals are poured or in which only the following metals are held in a molten state:

(a) ___ Aluminum or any alloy containing over 50 percent aluminum, if no gaseous chloride compounds, chlorine, aluminum chloride, or aluminum fluoride is used;

(b) ___ Magnesium or any alloy containing over 50 percent magnesium;

(c) ___ Lead or any alloy containing over 50 percent lead;

(d) ___ Tin or any alloy containing over 50 percent tin;

(e) ___ Zinc or any alloy containing over 50 percent zinc;

(f) ___ Copper;

(g) ____ Precious metals;

(19) ____ Charbroilers and pit barbecues as defined in COMAR 26.11.18.01 with a total cooking area of 5 square feet (0.46 square meter) or less;

(20) ___ First aid and emergency medical care provided at the facility, including related activities such as sterilization and medicine preparation used in support of a manufacturing or production process;

(21) ____ Certain recreational equipment and activities, such as fireplaces, barbecue pits and cookers, fireworks displays, and kerosene fuel use;

(22) ___ Potable water treatment equipment, not including air stripping equipment;

(23) ___ Firing and testing of military weapons and explosives;

(24) ___ Emissions resulting from the use of explosives for blasting at quarrying operations and from the required disposal of boxes used to ship the explosive;

(25) ____ Comfort air conditioning subject to requirements of Title VI of the Clean Air Act;

(26) ____ Grain, metal, or mineral extrusion presses;

(27) ____ Breweries with an annual beer production less than 60,000 barrels;

(28) ___ Natural draft hoods or natural draft ventilators that exhaust air pollutants into the ambient air from manufacturing/industrial or commercial processes;

(29) ____ Laboratory fume hoods and vents;

(30) No. ___ Sheet-fed letter or lithographic printing press(es) with a cylinder width of less than 18 inches;

For the following, attach additional pages as necessary:

(31) any other emissions unit, not listed in this section, with a potential to emit less than the "de minimus" levels listed in COMAR 26.11.02.10X (list and describe units):

No. ___ _____

No. ___ _____

No. ___ _____

No. ___ _____

No. ___ _____

(32) any other emissions unit at the facility which is not subject to an applicable requirement of the Clean Air Act (list and describe):

No. ___ _____

No. ___ _____

No. ___ _____

APPENDIX

TABLE OF CONTENTS

ANNUAL AIR EMISSIONS REPORTING

ANNUAL REPORT for CY 2021

Submitted on 04/01/2022

SSA HEADQUARTERS

Woodlawn, Maryland

Reporting Period: January-December 2021

PREPARED BY
Public Health Services
Philadelphia, PA

Preparer: Mahalingam Balakrishnan, 410-200-0380, mbala.pe@gmail.com

Original Report Submission 4-1-2022

TABLE OF CONTENTS

Cover Letter

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MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 ashington oulevard, Suite 15 altimore, Maryland 21230-1720
410-53 -3000 1-800-633-6101 http://www.mde.state.md.us
Air and Radiation Management Administration
Air Quality Compliance Program
410-537-3220

FORM 1

GENERAL FACILITY INFORMATION
EMISSIONS CERTIFICATE REPORT

Calendar Year: 2021

A. FACILITY IDENTIFICATION	**Do Not Write in This Space**
Facility Name **Social Security Administration**	Date Received Regional
Address **6401 Security Blvd.**	Date Received State
City **Woodlawn** County **Baltimore** Zip Code **21235**	AIRS Code
B. Briefly Describe the Major Function of the Facility	FINDS Code
1. Process Social Security Checks	SIC Code
2. Office/Administrative Type Work	Facility Number
	TEMPO ID:
C. SEASONAL PRODUCTION (if applicable) Winter (Dec.-Feb.) **NA** Spring (Mar.-May) **NA** Summer (June-Aug.) **NA** Fall (Sept.-Nov.) **NA**	Reviewed by: Name Date

D. Explain any Increase/Decrease in Emissions From Previous Calendar Year for Each Registration at this Facility.

E. CONTROL DEVICE INFORMATION (For NOx and VOC sources only)

Control Device	Capture Efficiency	Removal Efficiency
NONE	**Not Applicable**	**Not Applicable**

I am familiar with the facility and the installations and sources for which this report is submitted. I have personally examined the information in this report, which consists of 128 pages (including TOC, letter & attachments), and certify that the information is correct to the best of my knowledge.

Dwight Lucas	**Director, OEHOS**	
Name (Print/Type)	Title	Date
Candice Thompson for Dwight Lucas		**410-595-6349**
Signature		Telephone

Social Security Administration Emissions Summary
SUMMARY OF CRITERIA AIR POLLUTANTS
FORM 2 (from 01/2021 to 12/2021)

Estimated Potential Emissions

CAP	Tons/period	lb/day	MDE Form
CO	5.23	74	FORM 2
NOx	9.67	221	FORM 2
SOx	0.50	18	FORM 2
VOC	0.76	17	FORM 2
pb	2.E-04	0.006	FORM 2

Comparison of Fuel Use Based on Full-Load Equivalent Runtime to Actual Annual Fuel Use
Fuel Use for 1-2021 to 12-2021

Description	Annual Fuel Use		Comments
	Calculated	Reported	
Kerosene Use at NCC (estimated subtotals provided below)	145,382 gals	145,382 gals	calculated approx. equal to actual value
Subtotal 1: Estimated Kerosene Use for Blackstart Units	3,154 gals	3,154 gals	calculated approx. equal to actual value
Subtotal 2: Estimated Kerosene Use for the Titans	142,228 gals	142,228 gals	calculated approx. equal to actual value
Natural Gas Use at NCC Building	2,745,000 cf	2,745,000 cf	calculated approx. equal to actual value
Natural Gas Use at Childcare Center	1,657,900 cf	1,657,900 cf	calculated approx. equal to actual value
Natural Gas Use at Supply Building	3,279,500 cf	3,279,500 cf	calculated approx. equal to actual value
Natural Gas Use at the Main Complex	84,038,300 cf	84,038,300 cf	calculated approx. equal to actual value
Estimated #2 Oil Use in the Emergency Generators	2,150 gal	2,150 gal	calculated approx. equal to actual value

Note: The #2 oil Reported use at the emergency generators is estimated quantity of oil delived and NOT the metered use

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **NOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Emerg Gen 1	2-01-001-01	K-1	S	1.6	59.7					59.7				C1
9-1180			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Emerg Gen 2	2-01-001-01	K-1	S	1.0	38.3					38.3				C1
9-1181			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Emerg Gen 3	2-01-001-01	K-1	S	1.3	49.9					49.9				C1
9-1182			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.3	10.1					10.1				C1
9-1180			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.1	4.5					4.5				C1
9-1181			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.2	9.0					9.0				C1
9-1182			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.1	0.4					0.4				C3
5-1635			F	0.0	0.0	7:00	7	52	365	0.0	7:00	Cycles	On/Off	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.1	0.4					0.4	7:00	Cycles	On/Off	C3
5-1636			F	0.0	0.0	7:00	7	52	365	0.0				NA
Absorp Chiller NCC	-	NG	S	0.0	0.0					0.0	0:00	off	off	C7
5-1650			F	0.0	0.0	0:00	-	-	-	0.0				NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.1	0.4					0.4	8:00	Cycles	On/Off	C3
5-1575			F	0.0	0.0	8:00	7	52	365	0.0				NA
TOTAL (this page)				**4.7**	**172.6**					**172.6**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **NOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.1	0.4	8:00	7	52	365	0.4	8:00	Cycles	On/Off	C3
5-1576			F	0.0	0.0					0.0				NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.8	4.6	6:00	7	52	365	4.6	6:00	Cycles	On/Off	C3
5-0889			F	0.0	0.0					0.0				NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.7	3.6	6:00	7	52	365	3.6	6:00	Cycles	On/Off	C3
5-0074			F	0.0	0.0					0.0				NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.7	3.6	6:00	7	52	365	3.6	6:00	Cycles	On/Off	C3
5-0075			F	0.0	0.0					0.0				NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	2.0	11.2					11.2	8:00	Cycles	On/Off	C3
5-2302			F	0.0	0.0	8:00	7	52	365	0.0				NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.0	0.2					0.2	12:00	Cycles	On/Off	C3
5-2582			F	0.0	0.0	12:00	7	52	365	0.0				NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.0	0.2					0.2	12:00	Cycles	On/Off	C3
5-1737			F	0.0	0.0	12:00	7	52	365	0.0				NA
Gasoline Storage Tank	-	Gasoline	S	0.0	0.0					0.0	24:00	All day	-	NA
9-0403			F	0.0	0.0	24:00	7	52	365	0.0				C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.1	3.6					3.6	2:00	Varies	Varies	C3
9-1436			F	0.0	0.0	2:00	1	52	52	0.0				NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.1	2.5					2.5	2:00	Varies	Varies	C3
9-1437			F	0.0	0.0	2:00	1	52	52	0.0				NA
TOTAL (this page)				**4.5**	**30.1**					**30.1**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **NOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.0	1.5	2:00	1	52	52	1.5	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.4	13.7	2:00	1	52	52	13.7	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.0	1.0	2:00	1	52	52	1.0	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.0	0.3	2:00	1	52	52	0.3	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.0	1.5					1.5	2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52	0.0				NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.0	0.0					0.0	2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52	0.0				NA
			S											
			F											
			S											
			F											
			S											
			F											
			S											
			F											
TOTAL (this page)				**0.5**	**18.0**					**18.0**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD-Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

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C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **CO**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Emerg Gen 1	2-01-001-01	K-1	S	0.5	18.9									C1
9-1180			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 2	2-01-001-01	K-1	S	0.3	12.2									C1
9-1181			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 3	2-01-001-01	K-1	S	0.4	15.8									C1
9-1182			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.0	0.4									C1
9-1180			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.0	0.2									C1
9-1181			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.0	0.3									C1
9-1182			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.1	0.3									C3
5-1635			F	0.0	0.0	7:00	7	52	365		7:00	Cycles	On/Off	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.1	0.3						7:00	Cycles	On/Off	C3
5-1636			F	0.0	0.0	7:00	7	52	365					NA
Absorp Chiller NCC	-	NG	S	0.0	0.0						0:00	off	off	C7
5-1650			F	0.0	0.0	0:00	-	-	-					NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.1	0.4						8:00	Cycles	On/Off	C3
5-1575			F	0.0	0.0	8:00	7	52	365					NA
TOTAL (this page)				**1.4**	**48.8**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **CO**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.1	0.4	8:00	7	52	365		8:00	Cycles	On/Off	C3
5-1576			F	0.0	0.0									NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.7	3.9	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0889			F	0.0	0.0									NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.6	3.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0074			F	0.0	0.0									NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.6	3.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0075			F	0.0	0.0									NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	1.7	9.4						8:00	Cycles	On/Off	C3
5-2302			F	0.0	0.0	8:00	7	52	365					NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.0	0.2						12:00	Cycles	On/Off	C3
5-2582			F	0.0	0.0	12:00	7	52	365					NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.0	0.2						12:00	Cycles	On/Off	C3
5-1737			F	0.0	0.0	12:00	7	52	365					NA
Gasoline Storage Tank	-	Gasoline	S	0.0	0.0						24:00	All day	-	NA
9-0403			F	0.0	0.0	24:00	7	52	365					C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.0	1.0						2:00	Varies	Varies	C3
9-1436			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.0	0.5						2:00	Varies	Varies	C3
9-1437			F	0.0	0.0	2:00	1	52	52					NA
TOTAL (this page)				**3.7**	**21.6**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

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A5-Freezing Out Technique
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C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **CO**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.0	0.3	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.1	3.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.0	0.2	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.0	0.1	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.0	0.3						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
			S											
			F											
			S											
			F											
			S											
			F											
			S											
			F											
TOTAL (this page)				**0.1**	**3.9**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD-Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **VOC**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Emerg Gen 1	2-01-001-01	K-1	S	0.1	5.4					5.4				C1
9-1180			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Emerg Gen 2	2-01-001-01	K-1	S	0.1	3.5					3.5				C1
9-1181			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Emerg Gen 3	2-01-001-01	K-1	S	0.1	4.5					4.5				C1
9-1182			F	0.0	0.0	6:00	1	52	52	0.0	6:00	Varies	Varies	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.0	0.0					0.0				C1
9-1180			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.0	0.0					0.0				C1
9-1181			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.0	0.0					0.0				C1
9-1182			F	0.0	0.0	0:30	1	52	52	0.0	0:30	Varies	Varies	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.0	0.0					0.0				C3
5-1635			F	0.0	0.0	7:00	7	52	365	0.0	7:00	Cycles	On/Off	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.0	0.0					0.0	7:00	Cycles	On/Off	C3
5-1636			F	0.0	0.0	7:00	7	52	365	0.0				NA
Absorp Chiller NCC	-	NG	S	0.0	0.0					0.0	0:00	off	off	C7
5-1650			F	0.0	0.0	0:00	-	-	-	0.0				NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.0	0.0					0.0	8:00	Cycles	On/Off	C3
5-1575			F	0.0	0.0	8:00	7	52	365	0.0				NA
TOTAL (this page)				**0.4**	**13.6**					**13.6**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **VOC**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/yr	Lbs/day	Hrs/day	Start	End	
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.0	0.0	8:00	7	52	365	0.0	8:00	Cycles	On/Off	C3
5-1576			F	0.0	0.0					0.0				NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.0	0.3	6:00	7	52	365	0.3	6:00	Cycles	On/Off	C3
5-0889			F	0.0	0.0					0.0				NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.0	0.2	6:00	7	52	365	0.2	6:00	Cycles	On/Off	C3
5-0074			F	0.0	0.0					0.0				NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.0	0.2	6:00	7	52	365	0.2	6:00	Cycles	On/Off	C3
5-0075			F	0.0	0.0					0.0				NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	0.1	0.6					0.6	8:00	Cycles	On/Off	C3
5-2302			F	0.0	0.0	8:00	7	52	365	0.0				NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.0	0.0					0.0	12:00	Cycles	On/Off	C3
5-2582			F	0.0	0.0	12:00	7	52	365	0.0				NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.0	0.0					0.0	12:00	Cycles	On/Off	C3
5-1737			F	0.0	0.0	12:00	7	52	365	0.0				NA
Gasoline Storage Tank	-	Gasoline	S	0.0	0.0					0.0	24:00	All day	-	NA
9-0403			F	0.1	0.6	24:00	7	52	365	0.0				C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.0	0.0					0.0	2:00	Varies	Varies	C3
9-1436			F	0.0	0.0	2:00	1	52	52	0.0				NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.0	0.2					0.2	2:00	Varies	Varies	C3
9-1437			F	0.0	0.0	2:00	1	52	52	0.0				NA
TOTAL (this page)				**0.4**	**2.1**					**1.5**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained period sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
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C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State emission factor
C6-New construction, not operationa
C7-Source closed, operation ceased
C8-Computer calculated based on s

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **VOC**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.0	0.1	2:00	1	52	52	0.1	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.0	1.1	2:00	1	52	52	1.1	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.0	0.1	2:00	1	52	52	0.1	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52	0.0	2:00	Varies	Varies	C3
-			F	0.0	0.0					0.0				NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.0	0.1					0.1	2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52	0.0				NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.0	0.0					0.0	2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52	0.0				NA
			S											
			F											
			S											
			F											
			S											
			F											
			S											
			F											
TOTAL (this page)				**0.0**	**1.5**					**1.5**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD-Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

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A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
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C6-New construction, not operational
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C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **SOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Emerg Gen 1	2-01-001-01	K-1	S	0.2	6.6									C1
9-1180			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 2	2-01-001-01	K-1	S	0.1	4.3									C1
9-1181			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 3	2-01-001-01	K-1	S	0.1	5.6									C1
9-1182			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.0	0.2									C1
9-1180			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.0	0.1									C1
9-1181			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.0	0.1									C1
9-1182			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.0	0.0									C3
5-1635			F	0.0	0.0	7:00	7	52	365		7:00	Cycles	On/Off	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.0	0.0									C3
5-1636			F	0.0	0.0	7:00	7	52	365		7:00	Cycles	On/Off	NA
Absorp Chiller NCC	-	NG	S	0.0	0.0									C7
5-1650			F	0.0	0.0	0:00	-	-	-		0:00	off	off	NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.0	0.0									C3
5-1575			F	0.0	0.0	8:00	7	52	365		8:00	Cycles	On/Off	NA
TOTAL (this page)				**0.4**	**16.9**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

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A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment
C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **SOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.0	0.0	8:00	7	52	365		8:00	Cycles	On/Off	C3
5-1576			F	0.0	0.0									NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0889			F	0.0	0.0									NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0074			F	0.0	0.0									NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0075			F	0.0	0.0									NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	0.0	0.1						8:00	Cycles	On/Off	C3
5-2302			F	0.0	0.0	8:00	7	52	365					NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.0	0.0						12:00	Cycles	On/Off	C3
5-2582			F	0.0	0.0	12:00	7	52	365					NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.0	0.0						12:00	Cycles	On/Off	C3
5-1737			F	0.0	0.0	12:00	7	52	365					NA
Gasoline Storage Tank	-	Gasoline	S	0.0	0.0						24:00	All day	-	NA
9-0403			F	0.0	0.0	24:00	7	52	365					C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.0	0.1						2:00	Varies	Varies	C3
9-1436			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.0	0.2						2:00	Varies	Varies	C3
9-1437			F	0.0	0.0	2:00	1	52	52					NA
TOTAL (this page)				**0.0**	**0.4**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **SOx**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.0	0.1	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.0	0.9	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.0	0.1	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.0	0.1						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
			S											
			F											
			S											
			F											
			S											
			F											
			S											
			F											
TOTAL (this page)				**0.0**	**1.2**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD-Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42

C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **pb**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions		Operating Schedule (Actual)				TOSD	Operating Schedule			Emissions Methods
				Tons/period	Lbs/day	Hrs/day	Days/wk	Wk/period	Days/period	Lbs/day	Hrs/day	Start	End	
Emerg Gen 1	2-01-001-01	K-1	S	0.0	0.0									C1
9-1180			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 2	2-01-001-01	K-1	S	0.0	0.0									C1
9-1181			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Emerg Gen 3	2-01-001-01	K-1	S	0.0	0.0									C1
9-1182			F	0.0	0.0	6:00	1	52	52		6:00	Varies	Varies	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.0	0.0									C1
9-1180			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.0	0.0									C1
9-1181			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.0	0.0									C1
9-1182			F	0.0	0.0	0:30	1	52	52		0:30	Varies	Varies	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.0	0.0									C3
5-1635			F	0.0	0.0	7:00	7	52	365		7:00	Cycles	On/Off	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.0	0.0						7:00	Cycles	On/Off	C3
5-1636			F	0.0	0.0	7:00	7	52	365					NA
Absorp Chiller NCC	-	NG	S	0.0	0.0						0:00	off	off	C7
5-1650			F	0.0	0.0	0:00	-	-	-					NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.0	0.0						8:00	Cycles	On/Off	C3
5-1575			F	0.0	0.0	8:00	7	52	365					NA
TOTAL (this page)				**0.0**	**0.0**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **pb**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.0	0.0	8:00	7	52	365		8:00	Cycles	On/Off	C3
5-1576			F	0.0	0.0									NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0889			F	0.0	0.0									NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0074			F	0.0	0.0									NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.0	0.0	6:00	7	52	365		6:00	Cycles	On/Off	C3
5-0075			F	0.0	0.0									NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	0.0	0.0						8:00	Cycles	On/Off	C3
5-2302			F	0.0	0.0	8:00	7	52	365					NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.0	0.0						12:00	Cycles	On/Off	C3
5-2582			F	0.0	0.0	12:00	7	52	365					NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.0	0.0						12:00	Cycles	On/Off	C3
5-1737			F	0.0	0.0	12:00	7	52	365					NA
Gasoline Storage Tank	-	Gasoline	S	0.0	0.0						24:00	All day	-	NA
9-0403			F	0.0	0.0	24:00	7	52	365					C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
9-1436			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
9-1437			F	0.0	0.0	2:00	1	52	52					NA
TOTAL (this page)				**0.0**	**0.0**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD: Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

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A4-Solid Absorption Technique
A5-Freezing Out Technique
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C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
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FORM 2

CRITERIA AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **pb**

Equipment Description/ Registration No.	SCC Number	Fuel		Actual Emissions Tons/period	Actual Emissions Lbs/day	Operating Schedule (Actual) Hrs/day	Days/wk	Wk/period	Days/period	TOSD Lbs/day	Operating Schedule Hrs/day	Start	End	Emissions Methods
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.0	0.0	2:00	1	52	52		2:00	Varies	Varies	C3
-			F	0.0	0.0									NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.0	0.0						2:00	Varies	Varies	C3
-			F	0.0	0.0	2:00	1	52	52					NA
			S											
			F											
			S											
			F											
			S											
			F											
			S											
			F											
TOTAL (this page)				**0.0**	**0.0**					**-**				

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

TOSD-Typical Ozone Season Day means a typical day of that period of the year during which conditions for photochemical conditions are most favorable, which is generally during sustained periods of direct sunlight and warm temperatures (April-September). This section needs to be completed only for VOC and NOx sources.

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
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C3-User calculated based on AP-42

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C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

Social Security Administration

SUMMARY OF PARTICULATE MATTER

FORM 3: PM (from 01/2021 to 12/2021)

Estimated Potential Emissions

Category	Tons/period	lb/day	MDE Form
PM Total	0.53	8.9	FORM 3
PM Filterable	0.19	4.5	FORM 3
PM 10	0.16	3.40	FORM 3
PM 2.5	0.15	2.97	FORM 3
PM Condensible	0.34	4.4	FORM 3

FORM 3: PM

EMISSIONS CERTIFICATE REPORT

PARTICULATE MATTER

Reporting Period from 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **PM**

Equipment Description/ Registration No.	SCC Number	Fuel		PM Filterable		PM 10 - Filterable		PM 2.5 - Filterable		PM Condensible		Operation	Emissions Methods
				Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Days/period	
Emerg Gen 1	2-01-001-01	K-1	S	0.02	0.7	0.01	0.4	0.01	0.3	0.03	1.1		C1
9-1180			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen 2	2-01-001-01	K-1	S	0.01	0.4	0.01	0.2	0.00	0.2	0.02	0.7		C1
9-1181			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen 3	2-01-001-01	K-1	S	0.01	0.5	0.01	0.3	0.01	0.2	0.02	0.9		C1
9-1182			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Black Start Engine 1	2-02-004-01	K-1	S	0.01	0.4	0.01	0.3	0.00	0.2	0.00	0.0		C1
9-1180			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Black Start Engine 2	2-02-004-01	K-1	S	0.01	0.2	0.00	0.1	0.00	0.1	0.00	0.0		C1
9-1181			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Black Start Engine 3	2-02-004-01	K-1	S	0.01	0.4	0.01	0.2	0.00	0.2	0.00	0.0		C1
9-1182			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Boiler 1 NCC	1-02-005-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-1635			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 2 NCC	1-02-005-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-1636			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Absorp Chiller NCC	-	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C7
5-1650			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	0	NA
Boiler 1 SUPPLY	1-01-006-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-1575			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
TOTAL (this page)				**0.07**	**2.69**	**0.04**	**1.57**	**0.03**	**1.14**	**0.08**	**2.86**		

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
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A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment

C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 3: PM

EMISSIONS CERTIFICATE REPORT

PARTICULATE MATTER

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **PM**

Equipment Description/ Registration No.	SCC Number	Fuel		PM Filterable		PM 10 - Filterable		PM 2.5 - Filterable		PM Condensible		Operation	Emissions Methods
				Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Days/period	
Boiler 2 SUPPLY	1-01-006-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-1576			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 1 ALTMEYER	1-01-006-02	NG	S	0.02	0.1	0.02	0.1	0.02	0.1	0.05	0.3		C3
5-0889			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 2 ALTMEYER	1-01-006-02	NG	S	0.01	0.1	0.01	0.1	0.01	0.1	0.04	0.2		C3
5-0074			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 3 ALTMEYER	1-01-006-02	NG	S	0.01	0.1	0.01	0.1	0.01	0.1	0.04	0.2		C3
5-0075			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 4 ALTMEYER	1-01-006-02	NG	S	0.04	0.2	0.04	0.2	0.04	0.2	0.12	0.6		C3
5-2302			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 1 CHILDCARE	1-01-006-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-2582			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Boiler 2 CHILDCARE	1-01-006-02	NG	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
5-1737			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	NA
Gasoline Storage Tank	-	Gasoline	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		NA
9-0403			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	365	C8
Emerg Gen, diesel 1	2-02-004-01	#2	S	0.00	0.1	0.00	0.1	0.00	0.1	0.00	0.0		C3
9-1436			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 2	2-03-001-01	#2	S	0.00	0.2	0.00	0.2	0.00	0.2	0.00	0.0		C3
9-1437			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
TOTAL (this page)				**0.09**	**0.70**	**0.09**	**0.70**	**0.09**	**0.70**	**0.25**	**1.40**		

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment
C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

FORM 3: PM

EMISSIONS CERTIFICATE REPORT

PARTICULATE MATTER

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **PM**

Equipment Description/ Registration No.	SCC Number	Fuel		PM Filterable		PM 10 - Filterable		PM 2.5 - Filterable		PM Condensible		Operation	Emissions Methods
				Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Tons/period	lbs/day	Days/period	
Emerg Gen, diesel 3	2-03-001-01	#2	S	0.00	0.1	0.00	0.1	0.00	0.1	0.00	0.0		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 4	2-03-001-01	#2	S	0.02	0.9	0.02	0.9	0.02	0.9	0.00	0.1		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 5	2-03-001-01	#2	S	0.00	0.1	0.00	0.1	0.00	0.1	0.00	0.0		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 6	2-03-001-01	#2	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 7	2-03-001-01	#2	S	0.00	0.1	0.00	0.1	0.00	0.1	0.00	0.0		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
Emerg Gen, diesel 8	2-03-001-01	#2	S	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0		C3
-			F	0.00	0.0	0.00	0.0	0.00	0.0	0.00	0.0	52	NA
			S										
			F										
			S										
			F										
			S										
			F										
			S										
			F										
TOTAL (this page)				**0.03**	**1.13**	**0.03**	**1.13**	**0.03**	**1.13**	**0.00**	**0.14**		

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

Fuel: Include emissions for each fuel used. If more than one fuel is used, calculate and list emissions for each fuel separately.

Emission Estimation Methods

A1-U.S. EPA Reference Method
A2-Other Particulate Sampling Train
A3-Liquid Absorption Technique
A4-Solid Absorption Technique
A5-Freezing Out Technique
A9-Other, Specify

C1-User calculated based on source test or other measurement
C2-User calculated based on material balance using engineering knowledge of the process
C3-User calculated based on AP-42
C4-User calculated by best guess/engineering Judgment
C5-User calculated based on a State or local agency emission factor
C6-New construction, not operational
C7-Source closed, operation ceased
C8-Computer calculated based on standard

Social Security Administration
SUMMARY OF TOXIC AIR POLLUTANTS

FORM 4 Summary (from 01/2021 to 12/2021)

Estimated Potential Emissions			
Pollutant	**Tons/period**	**lb/day**	**MDE Form**
1,3-Butadiene	1.66E-04	3.29E-02	FORM 4
1,4-Dichlorobenzene(P)	5.23E-05	9.94E-04	FORM 4
Acetaldehyde	9.36E-05	4.32E-02	FORM 4
Acrolein	1.14E-05	5.27E-03	FORM 4
Arsenic & compounds	1.44E-05	2.72E-04	FORM 4
Benzene	7.83E-04	1.70E-01	FORM 4
Beryllium & compounds	4.64E-06	8.73E-05	FORM 4
Cadmium & compounds	1.01E-04	1.02E-02	FORM 4
Chromium (Elemental) Compounds	1.77E-04	2.24E-02	FORM 4
Cobalt & compounds	3.74E-06	7.10E-05	FORM 4
Copper	4.60E-05	8.73E-04	FORM 4
Ethyl benezene	0.00E+00	0.00E+00	FORM 4
Formaldehyde	6.30E-03	6.68E-01	FORM 4
Lead & compounds	1.76E-04	2.75E-02	FORM 4
Manganese & compounds	7.98E-03	1.52E+00	FORM 4
Mercury & compounds	2.78E-05	2.60E-03	FORM 4
Naphthalene	3.83E-04	6.94E-02	FORM 4
n-Hexane	8.01E-02	1.52E+00	FORM 4
Nickel & compounds	9.75E-05	1.85E-03	FORM 4
POM (PAHs)a	4.91E-04	9.02E-02	FORM 4
Propylene oxide	3.94E-04	1.82E-01	FORM 4
Selenium & Compounds	2.06E-05	3.87E-04	FORM 4
Toluene	5.78E-05	2.67E-02	FORM 4
Xylenes	4.02E-05	1.85E-02	FORM 4
Zinc compounds	1.30E-03	2.46E-02	FORM 4
All Other 167 toxic pollutants	0.00E+00	0.00E+00	FORM 4

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,3-Butadiene** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	6.36E-05	2.44E-03	9.78E-03	NA	NA
Emerg Gen 2 9-1181	4.08E-05	1.57E-03	6.28E-03	NA	NA
Emerg Gen 3 9-1182	5.32E-05	2.05E-03	8.19E-03	NA	NA
Black Start Engine 1 9-1180	1.50E-06	5.76E-05	2.76E-03	NA	NA
Black Start Engine 2 9-1181	6.66E-07	2.56E-05	1.23E-03	NA	NA
Black Start Engine 3 9-1182	1.33E-06	5.12E-05	2.46E-03	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**1.61E-04**	**6.20E-03**	**3.07E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,3-Butadiene** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	5.76E-07	2.22E-05	2.66E-04	NA	NA
Emerg Gen, diesel 3 -	3.50E-07	1.34E-05	1.61E-04	NA	NA
Emerg Gen, diesel 4 -	3.17E-06	1.22E-04	1.46E-03	NA	NA
Emerg Gen, diesel 5 -	2.31E-07	8.87E-06	1.06E-04	NA	NA
Emerg Gen, diesel 6 -	6.22E-08	2.39E-06	2.87E-05	NA	NA
TOTALS (this page)	**4.39E-06**	**1.69E-04**	**2.03E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,3-Butadiene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	3.36E-07	1.29E-05	1.55E-04	NA	NA
Emerg Gen, diesel 8 -	7.68E-09	2.96E-07	3.55E-06	NA	NA
TOTALS (this page)	**3.44E-07**	**1.32E-05**	**1.59E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,4-Dichlorobenzene(P)** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	9.65E-07	5.29E-06	1.59E-05	NA	NA
Boiler 2 SUPPLY 5-1576	9.65E-07	5.29E-06	1.59E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	9.92E-06	5.44E-05	2.17E-04	NA	NA
TOTALS (this page)	**1.19E-05**	**6.49E-05**	**2.49E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,4-Dichlorobenzene(P)** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	7.76E-06	4.25E-05	1.70E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	7.76E-06	4.25E-05	1.70E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	2.40E-05	1.31E-04	3.94E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	4.88E-07	2.67E-06	5.34E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	4.88E-07	2.67E-06	5.34E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**4.05E-05**	**2.22E-04**	**7.45E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **1,4-Dichlorobenzene(P)** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acetaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acetaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	7.43E-07	2.86E-05	3.43E-04	NA	NA
Emerg Gen, diesel 2 9-1437	1.13E-05	4.35E-04	5.22E-03	NA	NA
Emerg Gen, diesel 3 -	6.86E-06	2.64E-04	3.17E-03	NA	NA
Emerg Gen, diesel 4 -	6.22E-05	2.39E-03	2.87E-02	NA	NA
Emerg Gen, diesel 5 -	4.52E-06	1.74E-04	2.09E-03	NA	NA
Emerg Gen, diesel 6 -	1.22E-06	4.70E-05	5.63E-04	NA	NA
TOTALS (this page)	**8.68E-05**	**3.34E-03**	**4.01E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acetaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	6.59E-06	2.54E-04	3.04E-03	NA	NA
Emerg Gen, diesel 8 -	1.51E-07	5.80E-06	6.96E-05	NA	NA
TOTALS (this page)	**6.74E-06**	**2.59E-04**	**3.11E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acrolein** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Actual Emissions Lbs/day	Actual Emissions Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acrolein** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	2.32E-07	8.93E-06	1.07E-04	NA	NA
Emerg Gen, diesel 2 9-1437	1.36E-06	5.24E-05	6.29E-04	NA	NA
Emerg Gen, diesel 3 -	8.27E-07	3.18E-05	3.82E-04	NA	NA
Emerg Gen, diesel 4 -	7.50E-06	2.88E-04	3.46E-03	NA	NA
Emerg Gen, diesel 5 -	5.45E-07	2.10E-05	2.52E-04	NA	NA
Emerg Gen, diesel 6 -	1.47E-07	5.66E-06	6.80E-05	NA	NA
TOTALS (this page)	**1.06E-05**	**4.08E-04**	**4.90E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Acrolein** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	7.95E-07	3.06E-05	3.67E-04	NA	NA
Emerg Gen, diesel 8 -	1.82E-08	6.99E-07	8.39E-06	NA	NA
TOTALS (this page)	**8.13E-07**	**3.13E-05**	**3.75E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Arsenic & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	2.75E-06	1.50E-05	5.16E-05	NA	NA
Boiler 2 NCC 5-1636	2.75E-06	1.50E-05	5.16E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	1.64E-07	8.98E-07	2.70E-06	NA	NA
Boiler 2 SUPPLY 5-1576	1.64E-07	8.98E-07	2.70E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	1.69E-06	9.24E-06	3.70E-05	NA	NA
TOTALS (this page)	**7.50E-06**	**4.11E-05**	**1.46E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Arsenic & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	1.32E-06	7.23E-06	2.89E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	1.32E-06	7.23E-06	2.89E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	4.08E-06	2.23E-05	6.70E-05	NA	NA
Boiler 1 CHILDCARE 5-2582	8.29E-08	4.54E-07	9.08E-07	NA	NA
Boiler 2 CHILDCARE 5-1737	8.29E-08	4.54E-07	9.08E-07	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**6.88E-06**	**3.77E-05**	**1.27E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Arsenic & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Benzene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	2.18E-04	8.40E-03	3.36E-02	NA	NA
Emerg Gen 2 9-1181	1.40E-04	5.40E-03	2.16E-02	NA	NA
Emerg Gen 3 9-1182	1.83E-04	7.03E-03	2.81E-02	NA	NA
Black Start Engine 1 9-1180	5.15E-06	1.98E-04	9.50E-03	NA	NA
Black Start Engine 2 9-1181	2.29E-06	8.80E-05	4.22E-03	NA	NA
Black Start Engine 3 9-1182	4.58E-06	1.76E-04	8.45E-03	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	1.72E-06	9.43E-06	2.83E-05	NA	NA
Boiler 2 SUPPLY 5-1576	1.72E-06	9.43E-06	2.83E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	1.77E-05	9.71E-05	3.88E-04	NA	NA
TOTALS (this page)	**5.75E-04**	**2.14E-02**	**1.06E-01**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Benzene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	1.39E-05	7.59E-05	3.04E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	1.39E-05	7.59E-05	3.04E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	4.28E-05	2.35E-04	7.04E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	8.70E-07	4.77E-06	9.54E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	8.70E-07	4.77E-06	9.54E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	2.29E-05	8.80E-04	1.06E-02	NA	NA
Emerg Gen, diesel 2 9-1437	1.38E-05	5.29E-04	6.35E-03	NA	NA
Emerg Gen, diesel 3 -	8.34E-06	3.21E-04	3.85E-03	NA	NA
Emerg Gen, diesel 4 -	7.56E-05	2.91E-03	3.49E-02	NA	NA
Emerg Gen, diesel 5 -	5.50E-06	2.12E-04	2.54E-03	NA	NA
Emerg Gen, diesel 6 -	1.49E-06	5.71E-05	6.85E-04	NA	NA
TOTALS (this page)	**2.00E-04**	**5.30E-03**	**6.02E-02**		

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Benzene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	8.02E-06	3.09E-04	3.70E-03	NA	NA
Emerg Gen, diesel 8 -	1.83E-07	7.05E-06	8.46E-05	NA	NA
TOTALS (this page)	**8.20E-06**	**3.16E-04**	**3.79E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Beryllium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	2.06E-06	1.13E-05	3.87E-05	NA	NA
Boiler 2 NCC 5-1636	2.06E-06	1.13E-05	3.87E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	9.65E-09	5.29E-08	1.59E-07	NA	NA
Boiler 2 SUPPLY 5-1576	9.65E-09	5.29E-08	1.59E-07	NA	NA
Boiler 1 ALTMEYER 5-0889	9.92E-08	5.44E-07	2.17E-06	NA	NA
TOTALS (this page)	**4.24E-06**	**2.32E-05**	**7.98E-05**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Beryllium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	7.76E-08	4.25E-07	1.70E-06	NA	NA
Boiler 3 ALTMEYER 5-0075	7.76E-08	4.25E-07	1.70E-06	NA	NA
Boiler 4 ALTMEYER 5-2302	2.40E-07	1.31E-06	3.94E-06	NA	NA
Boiler 1 CHILDCARE 5-2582	4.88E-09	2.67E-08	5.34E-08	NA	NA
Boiler 2 CHILDCARE 5-1737	4.88E-09	2.67E-08	5.34E-08	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**4.05E-07**	**2.22E-06**	**7.45E-06**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Beryllium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cadmium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	1.91E-05	7.33E-04	2.93E-03	NA	NA
Emerg Gen 2 9-1181	1.22E-05	4.71E-04	1.88E-03	NA	NA
Emerg Gen 3 9-1182	1.60E-05	6.14E-04	2.46E-03	NA	NA
Black Start Engine 1 9-1180	4.49E-07	1.73E-05	8.29E-04	NA	NA
Black Start Engine 2 9-1181	2.00E-07	7.68E-06	3.69E-04	NA	NA
Black Start Engine 3 9-1182	3.99E-07	1.54E-05	7.37E-04	NA	NA
Boiler 1 NCC 5-1635	2.06E-06	1.13E-05	3.87E-05	NA	NA
Boiler 2 NCC 5-1636	2.06E-06	1.13E-05	3.87E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	9.02E-07	4.94E-06	1.48E-05	NA	NA
Boiler 2 SUPPLY 5-1576	9.02E-07	4.94E-06	1.48E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	9.28E-06	5.08E-05	2.03E-04	NA	NA
TOTALS (this page)	**6.35E-05**	**1.94E-03**	**9.52E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cadmium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	7.26E-06	3.98E-05	1.59E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	7.26E-06	3.98E-05	1.59E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	2.24E-05	1.23E-04	3.69E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	4.56E-07	2.50E-06	5.00E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	4.56E-07	2.50E-06	5.00E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**3.79E-05**	**2.07E-04**	**6.97E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cadmium & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Chromium (Elemental) Compou** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	4.37E-05	1.68E-03	6.72E-03	NA	NA
Emerg Gen 2 9-1181	2.81E-05	1.08E-03	4.32E-03	NA	NA
Emerg Gen 3 9-1182	3.66E-05	1.41E-03	5.63E-03	NA	NA
Black Start Engine 1 9-1180	1.03E-06	3.96E-05	1.90E-03	NA	NA
Black Start Engine 2 9-1181	4.58E-07	1.76E-05	8.45E-04	NA	NA
Black Start Engine 3 9-1182	9.15E-07	3.52E-05	1.69E-03	NA	NA
Boiler 1 NCC 5-1635	2.06E-06	1.13E-05	3.87E-05	NA	NA
Boiler 2 NCC 5-1636	2.06E-06	1.13E-05	3.87E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	1.15E-06	6.29E-06	1.89E-05	NA	NA
Boiler 2 SUPPLY 5-1576	1.15E-06	6.29E-06	1.89E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	1.18E-05	6.47E-05	2.59E-04	NA	NA
TOTALS (this page)	**1.29E-04**	**4.36E-03**	**2.15E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Chromium (Elemental) Compou** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	9.24E-06	5.06E-05	2.03E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	9.24E-06	5.06E-05	2.03E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	2.85E-05	1.56E-04	4.69E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	5.80E-07	3.18E-06	6.36E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	5.80E-07	3.18E-06	6.36E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**4.82E-05**	**2.64E-04**	**8.87E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Chromium (Elemental) Compou** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cobalt & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	6.89E-08	3.77E-07	1.13E-06	NA	NA
Boiler 2 SUPPLY 5-1576	6.89E-08	3.77E-07	1.13E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	7.08E-07	3.88E-06	1.55E-05	NA	NA
TOTALS (this page)	**8.46E-07**	**4.64E-06**	**1.78E-05**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cobalt & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	5.54E-07	3.04E-06	1.22E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	5.54E-07	3.04E-06	1.22E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	1.71E-06	9.38E-06	2.81E-05	NA	NA
Boiler 1 CHILDCARE 5-2582	3.48E-08	1.91E-07	3.82E-07	NA	NA
Boiler 2 CHILDCARE 5-1737	3.48E-08	1.91E-07	3.82E-07	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**2.89E-06**	**1.58E-05**	**5.32E-05**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Cobalt & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Copper** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	4.12E-06	2.26E-05	7.74E-05	NA	NA
Boiler 2 NCC 5-1636	4.12E-06	2.26E-05	7.74E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	6.97E-07	3.82E-06	1.15E-05	NA	NA
Boiler 2 SUPPLY 5-1576	6.97E-07	3.82E-06	1.15E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	7.17E-06	3.93E-05	1.57E-04	NA	NA
TOTALS (this page)	**1.68E-05**	**9.20E-05**	**3.35E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Copper** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	5.61E-06	3.07E-05	1.23E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	5.61E-06	3.07E-05	1.23E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	1.73E-05	9.49E-05	2.85E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	3.52E-07	1.93E-06	3.86E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	3.52E-07	1.93E-06	3.86E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**2.93E-05**	**1.60E-04**	**5.38E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Copper** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Ethyl benezene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Ethyl benezene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Ethyl benezene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Formaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	1.11E-03	4.28E-02	1.71E-01	NA	NA
Emerg Gen 2 9-1181	7.14E-04	2.75E-02	1.10E-01	NA	NA
Emerg Gen 3 9-1182	9.31E-04	3.58E-02	1.43E-01	NA	NA
Black Start Engine 1 9-1180	2.62E-05	1.01E-03	4.84E-02	NA	NA
Black Start Engine 2 9-1181	1.16E-05	4.48E-04	2.15E-02	NA	NA
Black Start Engine 3 9-1182	2.33E-05	8.96E-04	4.30E-02	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	6.15E-05	3.37E-04	1.01E-03	NA	NA
Boiler 2 SUPPLY 5-1576	6.15E-05	3.37E-04	1.01E-03	NA	NA
Boiler 1 ALTMEYER 5-0889	6.33E-04	3.47E-03	1.39E-02	NA	NA
TOTALS (this page)	**3.57E-03**	**1.13E-01**	**5.53E-01**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Formaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	4.95E-04	2.71E-03	1.08E-02	NA	NA
Boiler 3 ALTMEYER 5-0075	4.95E-04	2.71E-03	1.08E-02	NA	NA
Boiler 4 ALTMEYER 5-2302	1.53E-03	8.38E-03	2.51E-02	NA	NA
Boiler 1 CHILDCARE 5-2582	3.11E-05	1.70E-04	3.41E-04	NA	NA
Boiler 2 CHILDCARE 5-1737	3.11E-05	1.70E-04	3.41E-04	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	2.33E-06	8.95E-05	1.07E-03	NA	NA
Emerg Gen, diesel 2 9-1437	1.74E-05	6.69E-04	8.03E-03	NA	NA
Emerg Gen, diesel 3 -	1.06E-05	4.06E-04	4.87E-03	NA	NA
Emerg Gen, diesel 4 -	9.57E-05	3.68E-03	4.41E-02	NA	NA
Emerg Gen, diesel 5 -	6.96E-06	2.68E-04	3.21E-03	NA	NA
Emerg Gen, diesel 6 -	1.88E-06	7.22E-05	8.67E-04	NA	NA
TOTALS (this page)	**2.72E-03**	**1.93E-02**	**1.10E-01**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Formaldehyde** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	1.01E-05	3.90E-04	4.68E-03	NA	NA
Emerg Gen, diesel 8 -	2.32E-07	8.92E-06	1.07E-04	NA	NA
TOTALS (this page)	**1.04E-05**	**3.99E-04**	**4.79E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Lead & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	5.56E-05	2.14E-03	8.56E-03	NA	NA
Emerg Gen 2 9-1181	3.57E-05	1.37E-03	5.50E-03	NA	NA
Emerg Gen 3 9-1182	4.66E-05	1.79E-03	7.16E-03	NA	NA
Black Start Engine 1 9-1180	1.31E-06	5.04E-05	2.42E-03	NA	NA
Black Start Engine 2 9-1181	5.82E-07	2.24E-05	1.08E-03	NA	NA
Black Start Engine 3 9-1182	1.16E-06	4.48E-05	2.15E-03	NA	NA
Boiler 1 NCC 5-1635	6.18E-06	3.38E-05	1.16E-04	NA	NA
Boiler 2 NCC 5-1636	6.18E-06	3.38E-05	1.16E-04	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	4.10E-07	2.25E-06	6.74E-06	NA	NA
Boiler 2 SUPPLY 5-1576	4.10E-07	2.25E-06	6.74E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	4.22E-06	2.31E-05	9.24E-05	NA	NA
TOTALS (this page)	**1.58E-04**	**5.52E-03**	**2.72E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Lead & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	3.30E-06	1.81E-05	7.23E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	3.30E-06	1.81E-05	7.23E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	1.02E-05	5.59E-05	1.68E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	2.07E-07	1.14E-06	2.27E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	2.07E-07	1.14E-06	2.27E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**1.72E-05**	**9.43E-05**	**3.17E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Lead & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Manganese & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	3.14E-03	1.21E-01	4.83E-01	NA	NA
Emerg Gen 2 9-1181	2.02E-03	7.75E-02	3.10E-01	NA	NA
Emerg Gen 3 9-1182	2.63E-03	1.01E-01	4.04E-01	NA	NA
Black Start Engine 1 9-1180	7.39E-05	2.84E-03	1.37E-01	NA	NA
Black Start Engine 2 9-1181	3.29E-05	1.26E-03	6.07E-02	NA	NA
Black Start Engine 3 9-1182	6.57E-05	2.53E-03	1.21E-01	NA	NA
Boiler 1 NCC 5-1635	4.12E-06	2.26E-05	7.74E-05	NA	NA
Boiler 2 NCC 5-1636	4.12E-06	2.26E-05	7.74E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	3.12E-07	1.71E-06	5.12E-06	NA	NA
Boiler 2 SUPPLY 5-1576	3.12E-07	1.71E-06	5.12E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	3.20E-06	1.76E-05	7.02E-05	NA	NA
TOTALS (this page)	**7.97E-03**	**3.06E-01**	**1.52E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Manganese & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	2.51E-06	1.37E-05	5.50E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	2.51E-06	1.37E-05	5.50E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	7.75E-06	4.24E-05	1.27E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	1.58E-07	8.63E-07	1.73E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	1.58E-07	8.63E-07	1.73E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**1.31E-05**	**7.17E-05**	**2.41E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Manganese & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Mercury & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	4.77E-06	1.83E-04	7.33E-04	NA	NA
Emerg Gen 2 9-1181	3.06E-06	1.18E-04	4.71E-04	NA	NA
Emerg Gen 3 9-1182	3.99E-06	1.53E-04	6.14E-04	NA	NA
Black Start Engine 1 9-1180	1.12E-07	4.32E-06	2.07E-04	NA	NA
Black Start Engine 2 9-1181	4.99E-08	1.92E-06	9.22E-05	NA	NA
Black Start Engine 3 9-1182	9.98E-08	3.84E-06	1.84E-04	NA	NA
Boiler 1 NCC 5-1635	2.06E-06	1.13E-05	3.87E-05	NA	NA
Boiler 2 NCC 5-1636	2.06E-06	1.13E-05	3.87E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	2.13E-07	1.17E-06	3.50E-06	NA	NA
Boiler 2 SUPPLY 5-1576	2.13E-07	1.17E-06	3.50E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	2.19E-06	1.20E-05	4.81E-05	NA	NA
TOTALS (this page)	**1.88E-05**	**5.02E-04**	**2.43E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Mercury & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	1.72E-06	9.40E-06	3.76E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	1.72E-06	9.40E-06	3.76E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	5.30E-06	2.90E-05	8.71E-05	NA	NA
Boiler 1 CHILDCARE 5-2582	1.08E-07	5.90E-07	1.18E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	1.08E-07	5.90E-07	1.18E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**8.95E-06**	**4.90E-05**	**1.65E-04**		

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Mercury & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Naphthalene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	1.39E-04	5.35E-03	2.14E-02	NA	NA
Emerg Gen 2 9-1181	8.93E-05	3.43E-03	1.37E-02	NA	NA
Emerg Gen 3 9-1182	1.16E-04	4.48E-03	1.79E-02	NA	NA
Black Start Engine 1 9-1180	3.28E-06	1.26E-04	6.05E-03	NA	NA
Black Start Engine 2 9-1181	1.46E-06	5.60E-05	2.69E-03	NA	NA
Black Start Engine 3 9-1182	2.91E-06	1.12E-04	5.38E-03	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	5.00E-07	2.74E-06	8.22E-06	NA	NA
Boiler 2 SUPPLY 5-1576	5.00E-07	2.74E-06	8.22E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	5.14E-06	2.82E-05	1.13E-04	NA	NA
TOTALS (this page)	**3.59E-04**	**1.36E-02**	**6.73E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Naphthalene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	4.03E-06	2.21E-05	8.82E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	4.03E-06	2.21E-05	8.82E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	1.24E-05	6.81E-05	2.04E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	2.53E-07	1.39E-06	2.77E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	2.53E-07	1.39E-06	2.77E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	3.83E-06	1.47E-04	1.77E-03	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**2.48E-05**	**2.62E-04**	**2.16E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Naphthalene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **n-Hexane** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	1.48E-03	8.09E-03	2.43E-02	NA	NA
Boiler 2 SUPPLY 5-1576	1.48E-03	8.09E-03	2.43E-02	NA	NA
Boiler 1 ALTMEYER 5-0889	1.52E-02	8.32E-02	3.33E-01	NA	NA
TOTALS (this page)	**1.81E-02**	**9.94E-02**	**3.81E-01**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **n-Hexane** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	1.19E-02	6.51E-02	2.60E-01	NA	NA
Boiler 3 ALTMEYER 5-0075	1.19E-02	6.51E-02	2.60E-01	NA	NA
Boiler 4 ALTMEYER 5-2302	3.67E-02	2.01E-01	6.03E-01	NA	NA
Boiler 1 CHILDCARE 5-2582	7.46E-04	4.09E-03	8.18E-03	NA	NA
Boiler 2 CHILDCARE 5-1737	7.46E-04	4.09E-03	8.18E-03	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**6.19E-02**	**3.39E-01**	**1.14E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **n-Hexane** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Nickel & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	2.06E-06	1.13E-05	3.87E-05	NA	NA
Boiler 2 NCC 5-1636	2.06E-06	1.13E-05	3.87E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	1.72E-06	9.43E-06	2.83E-05	NA	NA
Boiler 2 SUPPLY 5-1576	1.72E-06	9.43E-06	2.83E-05	NA	NA
Boiler 1 ALTMEYER 5-0889	1.77E-05	9.71E-05	3.88E-04	NA	NA
TOTALS (this page)	**2.53E-05**	**1.38E-04**	**5.22E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Nickel & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	1.39E-05	7.59E-05	3.04E-04	NA	NA
Boiler 3 ALTMEYER 5-0075	1.39E-05	7.59E-05	3.04E-04	NA	NA
Boiler 4 ALTMEYER 5-2302	4.28E-05	2.35E-04	7.04E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	8.70E-07	4.77E-06	9.54E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	8.70E-07	4.77E-06	9.54E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**7.23E-05**	**3.96E-04**	**1.33E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Nickel & compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **POM (PAHs)a** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	1.59E-04	6.11E-03	2.44E-02	NA	NA
Emerg Gen 2 9-1181	1.02E-04	3.93E-03	1.57E-02	NA	NA
Emerg Gen 3 9-1182	1.33E-04	5.12E-03	2.05E-02	NA	NA
Black Start Engine 1 9-1180	3.74E-06	1.44E-04	6.91E-03	NA	NA
Black Start Engine 2 9-1181	1.66E-06	6.40E-05	3.07E-03	NA	NA
Black Start Engine 3 9-1182	3.33E-06	1.28E-04	6.14E-03	NA	NA
Boiler 1 NCC 5-1635	1.64E-05	8.96E-05	3.07E-04	NA	NA
Boiler 2 NCC 5-1636	1.64E-05	8.96E-05	3.07E-04	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	5.28E-07	2.89E-06	8.67E-06	NA	NA
Boiler 2 SUPPLY 5-1576	5.28E-07	2.89E-06	8.67E-06	NA	NA
Boiler 1 ALTMEYER 5-0889	5.43E-06	2.97E-05	1.19E-04	NA	NA
TOTALS (this page)	**4.42E-04**	**1.57E-02**	**7.75E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **POM (PAHs)a** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	4.25E-06	2.33E-05	9.31E-05	NA	NA
Boiler 3 ALTMEYER 5-0075	4.25E-06	2.33E-05	9.31E-05	NA	NA
Boiler 4 ALTMEYER 5-2302	1.31E-05	7.19E-05	2.16E-04	NA	NA
Boiler 1 CHILDCARE 5-2582	2.67E-07	1.46E-06	2.92E-06	NA	NA
Boiler 2 CHILDCARE 5-1737	2.67E-07	1.46E-06	2.92E-06	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	6.25E-06	2.40E-04	2.88E-03	NA	NA
Emerg Gen, diesel 2 9-1437	2.48E-06	9.52E-05	1.14E-03	NA	NA
Emerg Gen, diesel 3 -	1.50E-06	5.78E-05	6.93E-04	NA	NA
Emerg Gen, diesel 4 -	1.36E-05	5.24E-04	6.29E-03	NA	NA
Emerg Gen, diesel 5 -	9.90E-07	3.81E-05	4.57E-04	NA	NA
Emerg Gen, diesel 6 -	2.67E-07	1.03E-05	1.23E-04	NA	NA
TOTALS (this page)	**4.72E-05**	**1.09E-03**	**1.20E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **POM (PAHs)a** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	1.44E-06	5.56E-05	6.67E-04	NA	NA
Emerg Gen, diesel 8 -	3.30E-08	1.27E-06	1.52E-05	NA	NA
TOTALS (this page)	**1.48E-06**	**5.68E-05**	**6.82E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Propylene oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Propylene oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	8.22E-05	3.16E-03	3.80E-02	NA	NA
Emerg Gen, diesel 2 9-1437	3.80E-05	1.46E-03	1.76E-02	NA	NA
Emerg Gen, diesel 3 -	2.31E-05	8.87E-04	1.06E-02	NA	NA
Emerg Gen, diesel 4 -	2.09E-04	8.04E-03	9.65E-02	NA	NA
Emerg Gen, diesel 5 -	1.52E-05	5.85E-04	7.02E-03	NA	NA
Emerg Gen, diesel 6 -	4.11E-06	1.58E-04	1.90E-03	NA	NA
TOTALS (this page)	**3.72E-04**	**1.43E-02**	**1.72E-01**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Propylene oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	2.22E-05	8.53E-04	1.02E-02	NA	NA
Emerg Gen, diesel 8 -	5.07E-07	1.95E-05	2.34E-04	NA	NA
TOTALS (this page)	**2.27E-05**	**8.73E-04**	**1.05E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Selenium & Compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	1.03E-05	5.64E-05	1.93E-04	NA	NA
Boiler 2 NCC 5-1636	1.03E-05	5.64E-05	1.93E-04	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**2.06E-05**	**1.13E-04**	**3.87E-04**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Selenium & Compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Selenium & Compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Toluene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Toluene** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	8.28E-06	3.19E-04	3.82E-03	NA	NA
Emerg Gen, diesel 2 9-1437	6.03E-06	2.32E-04	2.78E-03	NA	NA
Emerg Gen, diesel 3 -	3.66E-06	1.41E-04	1.69E-03	NA	NA
Emerg Gen, diesel 4 -	3.32E-05	1.28E-03	1.53E-02	NA	NA
Emerg Gen, diesel 5 -	2.41E-06	9.27E-05	1.11E-03	NA	NA
Emerg Gen, diesel 6 -	6.51E-07	2.50E-05	3.00E-04	NA	NA
TOTALS (this page)	**5.42E-05**	**2.08E-03**	**2.50E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Toluene** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	3.52E-06	1.35E-04	1.62E-03	NA	NA
Emerg Gen, diesel 8 -	8.04E-08	3.09E-06	3.71E-05	NA	NA
TOTALS (this page)	**3.60E-06**	**1.38E-04**	**1.66E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Xylenes** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Xylenes** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	5.69E-06	2.19E-04	2.63E-03	NA	NA
Emerg Gen, diesel 2 9-1437	4.20E-06	1.62E-04	1.94E-03	NA	NA
Emerg Gen, diesel 3 -	2.55E-06	9.80E-05	1.18E-03	NA	NA
Emerg Gen, diesel 4 -	2.31E-05	8.89E-04	1.07E-02	NA	NA
Emerg Gen, diesel 5 -	1.68E-06	6.46E-05	7.75E-04	NA	NA
Emerg Gen, diesel 6 -	4.54E-07	1.74E-05	2.09E-04	NA	NA
TOTALS (this page)	**3.77E-05**	**1.45E-03**	**1.74E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Xylenes** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	2.45E-06	9.42E-05	1.13E-03	NA	NA
Emerg Gen, diesel 8 -	5.60E-08	2.15E-06	2.58E-05	NA	NA
TOTALS (this page)	**2.51E-06**	**9.64E-05**	**1.16E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Zinc compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	2.75E-06	1.50E-05	5.16E-05	NA	NA
Boiler 2 NCC 5-1636	2.75E-06	1.50E-05	5.16E-05	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	2.38E-05	1.30E-04	3.91E-04	NA	NA
Boiler 2 SUPPLY 5-1576	2.38E-05	1.30E-04	3.91E-04	NA	NA
Boiler 1 ALTMEYER 5-0889	2.45E-04	1.34E-03	5.36E-03	NA	NA
TOTALS (this page)	**2.98E-04**	**1.63E-03**	**6.25E-03**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Zinc compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Boiler 2 ALTMEYER 5-0074	1.91E-04	1.05E-03	4.19E-03	NA	NA
Boiler 3 ALTMEYER 5-0075	1.91E-04	1.05E-03	4.19E-03	NA	NA
Boiler 4 ALTMEYER 5-2302	5.91E-04	3.24E-03	9.72E-03	NA	NA
Boiler 1 CHILDCARE 5-2582	1.20E-05	6.59E-05	1.32E-04	NA	NA
Boiler 2 CHILDCARE 5-1737	1.20E-05	6.59E-05	1.32E-04	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**9.98E-04**	**5.47E-03**	**1.84E-02**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **Zinc compounds** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **All Other 167 toxic pollutants** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00	NA	NA
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00	NA	NA
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
- S = Scrubber
- B = Baghouse
- ESP = Electrostatic Precipitator
- A = Afterburner
- C = Condenser
- AD = Adsorption
- O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **All Other 167 toxic pollutants** *

Equipment Description/ Registration Number[1]	Actual Emissions tons/period	Lbs/day	Lbs/hour	Control Device**	% Efficiency
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00	NA	NA
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00	NA	NA
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 4

TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021 Calendar Year: **2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282** Pollutant: **All Other 167 toxic pollutants** *

Equipment Description/ Registration Number[1]	Actual Emissions			Control Device**	% Efficiency
	tons/period	Lbs/day	Lbs/hour		
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00	NA	NA
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**		

* Please attach all calculations.

* See attachment 1 for minimum reporting values

**Control Device
S = Scrubber
B = Baghouse
ESP = Electrostatic Precipitator
A = Afterburner
C = Condenser
AD = Adsorption
O = Other

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 5

BILLABLE TOXIC AIR POLLUTANTS
EMISSIONS CERTIFICATE REPORT

Reporting Period: From 01/2021 to 12/2021 **Calendar Year: 2021**

Facility Name: **Social Security Administration** Facility ID#: **005-0282**

Equipment Description/ Registration No.	CAS Number		Actual Emissions				Estimation Method
			Tons/period	lbs/day	lbs/h		
carbon disulfide	75-15-0	S	0.00	0.00	0		C3
		F	NA	NA	NA		
carbonyl sulfide	463-58-1	S	0	0	0		C3
		F	NA	NA	NA		
chlorine	7782-50-5	S	0	0	0		C3
		F	NA	NA	NA		
cyanide compounds	57-12-5	S	0	0	0		C3
		F	NA	NA	NA		
hydrochloric acid	7647-01-0	S	0	0	0		C3
		F	NA	NA	NA		
hydrogen fluoride	7664-39-3	S	0	0	0		C3
		F	NA	NA	NA		
methyl chloroform	71-55-6	S	0	0	0		C3
		F	NA	NA	NA		
methylene chloride	75-09-2	S	0	0	0		C3
		F	NA	NA	NA		
Tetrachloroethylene (perchloroethylene)	127-18-4	S	0	0	0		C3
		F	NA	NA	NA		
phosphine	7803-51-2	S	0	0	0		C3
		F	NA	NA	NA		
titanium tetrachloride	7550-45-0	S	0	0	0		C3
		F	NA	NA	NA		
TOTAL (this page)			**0**	**0**	**0**		

S-Stack Emissions F-Fugitive Emissions Daily emissions (lbs/day) are lbs/operating day of the source

PLEASE NOTE: Be sure to attach all data and calculations necessary to support the emissions figures shown above.
See Attachment 1 for minimum reporting values.

Emission Estimation Method

A1-U.S. EPA Reference Method

A2-Other Particulate Sampling Train

A3-Liquid Absorption Technique

A4-Solid Absorption Technique

A5-Freezing Out Technique

A9-Other, Specify

C1-User calculated based on source test or other measurement

C2-User calculated based on material balance using engineering knowledge of the process

C3-User calculated based on AP-42

C4-User calculated by best guess/engineering judgment

C5-User calculated based on a State or local agency emission factor

C6-New construction, not operational

C7-Source closed, operation ceased

C8-Computer calculated based on standard

This form to include only the eleven chemicals identified

Social Security Administration

SUMMARY OF GREENHOUSE GAS AIR POLLUTANTS

FORM 6 CY 2021

Reporting Period: From 01/2021 to 12/2021

Estimated Emissions				
Pollutant	**Tons/period**	**lbs/day**	**lbs/h**	**MDE Form**
Carbon dioxide	7,053	91,644	1,350	FORM 6
methane	0.102	0.56	0.001	FORM 6
nitrous oxide	0.097	0.53	0.001	FORM 6
hydrofluorocarbons	-	-	-	FORM 6
perfluorocarbons	-	-	-	FORM 6
sulfur hexafluoride	-	-	-	FORM 6

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: Carbon dioxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	6.24E+02	2.40E+04	3.85E+02
Emerg Gen 2 9-1181	4.01E+02	1.54E+04	3.85E+02
Emerg Gen 3 9-1182	5.22E+02	2.01E+04	3.85E+02
Black Start Engine 1 9-1180	1.54E+01	5.90E+02	1.64E+01
Black Start Engine 2 9-1181	6.82E+00	2.62E+02	1.64E+01
Black Start Engine 3 9-1182	1.36E+01	5.25E+02	1.64E+01
Boiler 1 NCC 5-1635	1.06E+02	5.82E+02	3.18E+00
Boiler 2 NCC 5-1636	1.06E+02	5.82E+02	3.18E+00
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	9.65E+01	5.29E+02	1.08E+00
Boiler 2 SUPPLY 5-1576	9.65E+01	5.29E+02	1.08E+00
Boiler 1 ALTMEYER 5-0889	9.92E+02	5.44E+03	1.29E+01
TOTALS (this page)	**2.98E+03**	**6.85E+04**	**1.23E+03**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: Carbon dioxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	7.76E+02	4.25E+03	1.01E+01
Boiler 3 ALTMEYER 5-0075	7.76E+02	4.25E+03	1.01E+01
Boiler 4 ALTMEYER 5-2302	2.40E+03	1.31E+04	7.29E+00
Boiler 1 CHILDCARE 5-2582	4.88E+01	2.67E+02	6.12E-01
Boiler 2 CHILDCARE 5-1737	4.88E+01	2.67E+02	6.12E-01
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	4.83E+00	1.86E+02	2.45E+01
Emerg Gen, diesel 2 9-1437	2.42E+00	9.30E+01	2.45E+01
Emerg Gen, diesel 3 -	1.47E+00	5.64E+01	1.48E+01
Emerg Gen, diesel 4 -	1.33E+01	5.11E+02	9.78E+00
Emerg Gen, diesel 5 -	9.67E-01	3.72E+01	9.78E+00
Emerg Gen, diesel 6 -	2.61E-01	1.00E+01	2.64E+00
TOTALS (this page)	**4.07E+03**	**2.31E+04**	**1.15E+02**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: Carbon dioxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	1.41E+00	5.42E+01	8.15E+00
Emerg Gen, diesel 8 -	3.22E-02	1.24E+00	1.30E+00
TOTALS (this page)	**1.44E+00**	**5.55E+01**	**9.46E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: methane** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Boiler 1 NCC 5-1635	1.07E-03	5.84E-03	3.19E-05
Boiler 2 NCC 5-1636	1.07E-03	5.84E-03	3.19E-05
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	1.85E-03	1.01E-02	2.07E-05
Boiler 2 SUPPLY 5-1576	1.85E-03	1.01E-02	2.07E-05
Boiler 1 ALTMEYER 5-0889	1.90E-02	1.04E-01	2.47E-04
TOTALS (this page)	**2.48E-02**	**1.36E-01**	**3.52E-04**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: methane** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	1.49E-02	8.15E-02	1.93E-04
Boiler 3 ALTMEYER 5-0075	1.49E-02	8.15E-02	1.93E-04
Boiler 4 ALTMEYER 5-2302	4.60E-02	2.52E-01	1.40E-04
Boiler 1 CHILDCARE 5-2582	9.35E-04	5.12E-03	1.17E-05
Boiler 2 CHILDCARE 5-1737	9.35E-04	5.12E-03	1.17E-05
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**7.76E-02**	**4.25E-01**	**5.50E-04**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: methane** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: nitrous oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Boiler 1 NCC 5-1635	5.43E-04	2.98E-03	1.63E-05
Boiler 2 NCC 5-1636	5.43E-04	2.98E-03	1.63E-05
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	1.77E-03	9.69E-03	1.98E-05
Boiler 2 SUPPLY 5-1576	1.77E-03	9.69E-03	1.98E-05
Boiler 1 ALTMEYER 5-0889	1.82E-02	9.97E-02	2.36E-04
TOTALS (this page)	**2.28E-02**	**1.25E-01**	**3.08E-04**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: nitrous oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	1.42E-02	7.80E-02	1.85E-04
Boiler 3 ALTMEYER 5-0075	1.42E-02	7.80E-02	1.85E-04
Boiler 4 ALTMEYER 5-2302	4.40E-02	2.41E-01	1.34E-04
Boiler 1 CHILDCARE 5-2582	8.94E-04	4.90E-03	1.12E-05
Boiler 2 CHILDCARE 5-1737	8.94E-04	4.90E-03	1.12E-05
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**7.42E-02**	**4.07E-01**	**5.26E-04**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: nitrous oxide** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: hydrofluorocarbons ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: hydrofluorocarbons ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

EMISSIONS CERTIFICATE REPORT

Calendar Year: 2021

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: hydrofluorocarbons ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: perfluorocarbons ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: perfluorocarbons ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

EMISSIONS CERTIFICATE REPORT

Calendar Year: 2021

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#:** 005-0282 **Pollutant: perfluorocarbons** *

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: sulfur hexafluoride ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Emerg Gen 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 1 9-1180	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 2 9-1181	0.00E+00	0.00E+00	0.00E+00
Black Start Engine 3 9-1182	0.00E+00	0.00E+00	0.00E+00
Boiler 1 NCC 5-1635	0.00E+00	0.00E+00	0.00E+00
Boiler 2 NCC 5-1636	0.00E+00	0.00E+00	0.00E+00
Absorp Chiller NCC 5-1650	0.00E+00	0.00E+00	0.00E+00
Boiler 1 SUPPLY 5-1575	0.00E+00	0.00E+00	0.00E+00
Boiler 2 SUPPLY 5-1576	0.00E+00	0.00E+00	0.00E+00
Boiler 1 ALTMEYER 5-0889	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

Calendar Year: 2021

EMISSIONS CERTIFICATE REPORT

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: sulfur hexafluoride ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Boiler 2 ALTMEYER 5-0074	0.00E+00	0.00E+00	0.00E+00
Boiler 3 ALTMEYER 5-0075	0.00E+00	0.00E+00	0.00E+00
Boiler 4 ALTMEYER 5-2302	0.00E+00	0.00E+00	0.00E+00
Boiler 1 CHILDCARE 5-2582	0.00E+00	0.00E+00	0.00E+00
Boiler 2 CHILDCARE 5-1737	0.00E+00	0.00E+00	0.00E+00
Gasoline Storage Tank 9-0403	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 1 9-1436	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 2 9-1437	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 3 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 4 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 5 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 6 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

FORM 6:Greenhouse Gases

GREENHOUSE GAS AIR POLLUTANTS

EMISSIONS CERTIFICATE REPORT

Calendar Year: 2021

Reporting Period from 01/2021 to 12/2021

Facility Name: Social Security Administration **Facility ID#: 005-0282** **Pollutant: sulfur hexafluoride ***

Equipment Description/ Registration Number[1]	Actual Emissions		
	tons/period	Lbs/day	Lbs/hour
Emerg Gen, diesel 7 -	0.00E+00	0.00E+00	0.00E+00
Emerg Gen, diesel 8 -	0.00E+00	0.00E+00	0.00E+00
TOTALS (this page)	**0.00E+00**	**0.00E+00**	**0.00E+00**

This form must be used to report

Greenhouse gas emissions:

- carbon dioxide (CO2)
- methane (CH4)
- nitrous oxide (N2O)
- hydrofluoracarbons (HFCs)
- perfluorocarbons (PFCs)
- sulfur hexafluoride (SF6)

* Use a separate sheet for each pollutant

* Please attach all calculations.

[1]Emissions must be broken down by equipment registration number (e.g., 9-0076, 9-0077)

SSA Woodlawn Complex Annual Emissions
Emission Factor Reconciliation

EMISSION FACTORS FROM AP-42 or Manufacturer					VALUES REPORTED TO MDE					ITEMS NEWLY REQUESTED BY MDE	
Pollutant	Source	Table	Factor Reported in AP-42 or by manufacturer	Units	Factor Reported in SSA's submission to MDE	Derivation	Reported Units	Applies to Eqpt. No.	Fuel Used	Emission Factor	Units
NOx	Manufacturer	NA	49.82	lb/h	**0.391000**	49.82 lb/h / 127.6 (MMBtu/h) = **0.390439** lb/MMBtu	lb/MMBtu	4-6	K-1	0.391 lb/MMBtu x 139 MMBtu/1000 gal = 54.4	lb/1000 gal
CO	Manufacturer	NA	15.8	lb/h	**0.124000**	15.8 lb/h / 127.6 (MMBtu/h) = **0.123824** lb/MMBtu	lb/MMBtu	4-6	K-1	0.124 lb/MMBtu x 139 MMBtu/1000 gal = 17.236	lb/1000 gal
VOC	Manufacturer	NA	4.52	lb/h	**0.035500**	4.52 lb/h / 127.6 (MMBtu/h) = **0.035423** lb/MMBtu	lb/MMBtu	4-6	K-1	0.0355 lb/MMBtu x 139 MMBtu/1000 gal = 4.935	lb/1000 gal
PM	AP-42	3.1-2a	0.012	lb/MMBtu	**0.012850**	0.012 x 136.5/127.6 ~ **0.01285**[a]	lb/MMBtu	4-6	K-1	0.01285 lb/MMBtu x 139 MMBtu/1000 gal = 1.787	lb/1000 gal
$SO_2 = SO_x$	AP-42	3.1-2a	1.01 x S = 1.01 x 0.04 ~ 0.041	lb/MMBtu	**0.043**	0.041 x 136.5/127.6 ~ **0.043**[a]	lb/MMBtu	4-6	K-1	0.043 lb/MMBtu x 139 MMBtu/1000 gal = 5.977	lb/1000 gal
pb	AP-42	3.1-2a	0.000014	lb/MMBtu	**0.000014**	None	lb/MMBtu	4-6	K-1	0.000014 lb/MMBtu x 139 MMBtu/1000 gal = 0.002	lb/1000 gal
NOx	Manufacturer	NA	14.57	lb/h	**2.801**	14.57 lb/h / 5.2 (MMBtu/h) =**2.801** lb/MMBtu	lb/MMBtu	7-9	K-1	2.801 lb/MMBtu x 139 MMBtu/1000 gal = 389.4	lb/1000 gal
CO	Manufacturer	NA	0.55	lb/h	**0.1057**	0.55 lb/h / 5.2 (MMBtu/h) =**0.1057** lb/MMBtu	lb/MMBtu	7-9	K-1	0.1057 lb/MMBtu x 139 MMBtu/1000 gal = 14.693	lb/1000 gal
VOC	Manufacturer	NA	0.06	lb/h	**0.0115**	0.06 lb/h / 5.2 (MMBtu/h) =**0.0115** lb/MMBtu	lb/MMBtu	7-9	K-1	0.0115 lb/MMBtu x 139 MMBtu/1000 gal = 1.599	lb/1000 gal
PM	Manufacturer	NA	0.68	lb/h	**0.1307**	0.68 lb/h / 5.2 (MMBtu/h) =**0.1307** lb/MMBtu	lb/MMBtu	7-9	K-1	0.1307 lb/MMBtu x 139 MMBtu/1000 gal = 18.168	lb/1000 gal
PM Filterable	AP-42	-	Derived from PM - PM Cond. = 0.1235	lb/MMBtu	**0.1235**	**None**	lb/MMBtu	7-9	K-1	0.1235 lb/MMBtu x 139 MMBtu/1000 gal = 17.167	lb/1000 gal
PM Filt 10µ	AP-42	-	Derived from PM Filterable-PM Filt 2.5m	lb/MMBtu	**0.07163**	**None**	lb/MMBtu	7-9	K-1	0.07163 lb/MMBtu x 139 MMBtu/1000 gal = 9.957	lb/1000 gal
PM Filt 2.5µ	AP-42	1.3-7	Derived from PM filterable x 42%	lb/MMBtu	**0.05187**	**None**	lb/MMBtu	7-9	K-1	0.05187 lb/MMBtu x 139 MMBtu/1000 gal = 7.21	lb/1000 gal
PM Cond.	AP-42	3.1-2a	0.0072	lb/MMBtu	**0.0072**	**None**	lb/MMBtu	7-9	K-1	0.0072 lb/MMBtu x 139 MMBtu/1000 gal = 1.001	lb/1000 gal
$SO_2 = SO_x$	Manufacturer	NA	0.23	lb/h	**0.0442**	0.23 lb/h / 5.2 (MMBtu/h) =**0.0442** lb/MMBtu	lb/MMBtu	7-9	K-1	0.0442 lb/MMBtu x 139 MMBtu/1000 gal = 6.144	lb/1000 gal
pb	Manufacturer	1.3-10	0.000009	lb/MMBtu	**0.000009**	None	lb/MMBtu	7-9	K-1	0.000009 lb/MMBtu x 139 MMBtu/1000 gal = 0.002	lb/1000 gal
NOx	Values from MDE Permit No. 03-5-1650	NA	0.4	tons/yr	**0.4**	None	tons/yr	12	Natural Gas	0.4tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0.0000401	lb/scf
CO		NA	0.16	tons/yr	**0.16**	None	tons/yr	12	Natural Gas	0.16tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0.0000161	lb/scf
VOC		NA	0.12	tons/yr	**0.12**	None	tons/yr	12	Natural Gas	0.12tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0.0000121	lb/scf
PM		NA	0.04	tons/yr	**0.04**	None	tons/yr	12	Natural Gas	0.04tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0.0000041	lb/scf
PM Filterable		ND	0		**0**	None	tons/yr	12	Natural Gas	ND = No Data	lb/scf
PM Filt 10µ		ND	0		**0**	None	tons/yr	12	Natural Gas	ND = No Data	lb/scf
PM Filt 2.5µ		ND	0		**0**	None	tons/yr	12	Natural Gas	ND = No Data	lb/scf
PM Cond.		ND	0		**0**	None	tons/yr	12	Natural Gas	ND = No Data	lb/scf
SO2 = SOx		NA	0	tons/yr	**0**	None	tons/yr	12	Natural Gas	0tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0	lb/scf
pb		NA	0	tons/yr	**0**	None	tons/yr	12	Natural Gas	0tons/yr /1920 h/yr x 2000 lb/ton / 10.4 MMBtu/h x 1000 Btu/scf / 1,000,000 Btu/MMBtu = 0	lb/scf

SSA Woodlawn Complex Annual Emissions
Emission Factor Reconciliation

EMISSION FACTORS FROM AP-42 or Manufacturer					VALUES REPORTED TO MDE					ITEMS NEWLY REQUESTED BY MDE	
Pollutant	Source	Table	Factor Reported in AP-42 or by manufacturer	Units	Factor Reported in SSA's submission to MDE	Derivation	Reported Units	Applies to Eqpt. No.	Fuel Used	Emission Factor	Units
NOx	AP-42	1.4-1	100	lb/10^6 scf	**0.1**	100 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.1**	lb/MMBtu	10-11 & 13-20	Natural Gas	100 lb/10^6 scf = 0.0001	lb/scf
CO	AP-42	1.4-1	84	lb/10^6 scf	**0.084**	84 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.084**	lb/MMBtu	10-11 & 13-20	Natural Gas	84 lb/10^6 scf = 0.000084	lb/scf
VOC	AP-42	1.4-2	5.5	lb/10^6 scf	**0.0055**	5.5 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.0055**	lb/MMBtu	10-11 & 13-20	Natural Gas	5.5 lb/10^6 scf = 0.0000055	lb/scf
PM	AP-42	1.4-2	7.6	lb/10^6 scf	**0.0076**	7.6 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.0076**	lb/MMBtu	10-11 & 13-20	Natural Gas	7.6 lb/10^6 scf = 0.0000076	lb/scf
PM Filterable	AP-42	1.4-2	1.9	lb/10^6 scf	**0.0019**	1.9 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.0019**	lb/MMBtu	10-11 & 13-20	Natural Gas	1.9 lb/10^6 scf = 0.0000019	lb/scf
PM Filt 10μ	AP-42	1.4-2	1.9	lb/10^6 scf	**0.0019**		lb/MMBtu	10-11 & 13-20	Natural Gas	1.9 lb/10^6 scf = 0.0000019	lb/scf
PM Filt 2.5μ	AP-42	1.4-2	1.9	lb/10^6 scf	**0.0019**		lb/MMBtu	10-11 & 13-20	Natural Gas	1.9 lb/10^6 scf = 0.0000019	lb/scf
PM Cond.	AP-42	1.4-2	5.7	lb/10^6 scf	**0.0056**	**0.0057**	lb/MMBtu	10-11 & 13-20	Natural Gas	5.7 lb/10^6 scf = 0.0000057	lb/scf
$SO_2 = SO_x$	AP-42	1.4-2	0.6	lb/10^6 scf	**0.0006**	0.6 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.0006**	lb/MMBtu	10-11 & 13-20	Natural Gas	0.6 lb/10^6 scf = 0.0000006	lb/scf
pb	AP-42	1.4-2	0.0005	lb/10^6 scf	**0.0000005**	0.0005 lb/10^6 scf / 1000Btu/scf x 10^6 Btu/MMBtu = **0.0000005**	lb/MMBtu	10-11 & 13-20	Natural Gas	0.0005 lb/10^6 scf = 0.0000000005	lb/scf
VOC	TANKS 4.0	NA	Emission calculated using TANKS 4.0 Software			-	-	21	Gasoline	-	NA
NOx	AP-42	3.4-1	3.2	lb/MMBtu	**3.2**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
CO	AP-42	3.4-1	0.85	lb/MMBtu	**0.85**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
VOC	AP-42	3.4-1	0.0081	lb/MMBtu	**0.0081**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
PM	AP-42	3.4-1	0.1	lb/MMBtu	**0.1**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
PM Filterable	AP-42	-	PM-PM Cond.=0.089	lb/MMBtu	**0.089**	0.1 - 0.011 = 0.089	lb/MMBtu	22	#2	pending feedback from MDE	left blank
PM Filt 10μ	AP-42	-	0.089	lb/MMBtu	**0.089**	set equal to PM Filterable	lb/MMBtu	22	#2	pending feedback from MDE	left blank
PM Filt 2.5μ	AP-42	-	0.089	lb/MMBtu	**0.089**	set equal to PM Filterable	lb/MMBtu	22	#2	pending feedback from MDE	left blank
PM Cond.	AP-42	3.4-2	0.0077/0.0697 x 0.1 = 0.011	lb/MMBtu	**0.011**	0.0077/0.0697 x 0.1 = 0.011	lb/MMBtu	22	#2	pending feedback from MDE	left blank
$SO_2 = SO_x$	AP-42	3.4-1	0.0505	lb/MMBtu	**0.0505**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
pb	AP-42	1.3-10	0.000009	lb/MMBtu	**0.000009**	None	lb/MMBtu	22	#2	pending feedback from MDE	left blank
NOx	AP-42	3.3-1	4.41	lb/MMBtu	**4.41**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
CO	AP-42	3.3-1	0.95	lb/MMBtu	**0.95**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
VOC	AP-42	3.3-1	0.36	lb/MMBtu	**0.36**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
PM	AP-42	3.3-1	0.31	lb/MMBtu	**0.31**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
PM Filterable	AP-42	-	PM-PM Cond.=0.276	lb/MMBtu	**0.276**	0.31 - 0.034 = 0.276	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
PM Filt 10μ	AP-42	-	0.276	lb/MMBtu	**0.276**	set equal to PM Filterable	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
PM Filt 2.5μ	AP-42	-	0.276	lb/MMBtu	**0.276**	set equal to PM Filterable	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
PM Cond.	AP-42	3.4-2	0.0077/0.0697 x 0.31 = 0.034	lb/MMBtu	**0.034**	0.0077/0.0697 x 0.31 = 0.034	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
$SO_2 = SO_x$	AP-42	3.3-1	0.29	lb/MMBtu	**0.29**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank
pb	AP-42	1.3-10	0.000009	lb/MMBtu	**0.000009**	None	lb/MMBtu	23-29	#2	pending feedback from MDE	left blank

[a]Value adjusted upward to compensate for using lower heating value for K-1 (136.5/126.7 = 1.069)
scf = standard cubic foot
K-1 = Kerosene
Heating value for K-1 = 138,500 rounded to 139,000 Btu/gal
Heating value for natural gas = 1,000 Btu/scf

INPUT FOR SSA HQ EMISSIONS CERTIFICATION TO MDE

No.	Description	Data
1	Emission Reporting CY	2021
2	Facility ID Number	005-0282
3	Facility Name	Social Security Administration
4	Facility Address	6401 Security Blvd.
5	City	Woodlawn
6	County	Baltimore
7	State	Maryland
8	Zip	21235
9	Name of Person	Dwight Lucas
10	Title	Director, OEHOS
11	Telephone	410-595-6349
12	Fax	-
13	Emissions Certification Application Date	4/1/2022
14	TOC, Letter & FORM 1	3
15	FORM 2 Number of Pages	16
16	FORM 3 and FORM 4 Pages	83
17	FORM 5 and FORM 6 Pages	20
18	Supporting Documents, No. of Pages	6
19	Total Number of Pages	128
20	Emission Certification Reporting Period	**01/2021 to 12/2021**

Pollutants

PM	Particulate Matter, 10μ size, see Form 3
NOx	Oxides of Nitrogen
VOC	Volatile Organic Compounds
SOx	Oxides of Sulfur
CO	Carbon Monoxide
pb	Lead

	BILLABLE TOXIC AIR POLLUTANTS	CAS Number	Threshold[a] lbs/h	tons/yr
1	carbon disulfide	75-15-0	0.1	1.0
2	carbonyl sulfide	463-58-1	0.1	1.0
3	chlorine	7782-50-5	0.01	0.1
4	cyanide compounds	57-12-5	0.01	0.1
5	hydrochloric acid	7647-01-0	0.1	0.1
6	hydrogen fluoride	7664-39-3	0.01	0.1
7	methyl chloroform	71-55-6	10	10.0
8	methylene chloride	75-09-2	1	1.0
9	Tetrachloroethylene (perchloroethylene)	127-18-4	1	10.0
10	phosphine	7803-51-2	0.001	0.01
11	titanium tetrachloride	7550-45-0	0.01	0.1

[a]List of pollutants from Form 4; corresponding threshold values from Attachment 1.

	Emission Estimation Method
A1	A1-U.S. EPA Reference Method
A2	A2-Other Particulate Sampling Train
A3	A3-Liquid Absorption Technique
A4	A4-Solid Absorption Technique
A5	A5-Freezing Out Technique
A9	A9-Other, Specify
C1	C1-User calculated based on source test or other measurement
C2	C2-User calculated based on material balance using engineering knowledge
C3	C3-User calculated based on AP-42
C4	C4-User calculated by best guess/engineering judgment
C5	C5-User calculated based on a State or local agency emission factor
C6	C6-New construction, not operational
C7	C7-Source closed, operation ceased
C8	C8-Computer calculated based on standard

Summary for CY2021

Pollutant	Column	tons/yr	lbs/day
NOx	13	10	221
CO	14	5	74
VOC	15	1	17
PM	16	1	9
SOx	17	1	18
pb	34	0	0

Emissions Reporting Period	
Start	Jan-21
End	Dec-21

Greenhouse Gases		
1	Carbon dioxide	CO2
2	methane	CH4
3	nitrous oxide	N2O
4	hydrofluorocarbons	HFCs
5	perfluorocarbons	PFCs
6	sulfur hexafluoride	SF6

[A] Eqpt No.	1 [B] Description	2 [C] Operate in CY 2021?	3 [D] Actual Runtime, h/yr [a]	4 [E] Runtime Adjusted For Actual Fuel Use h/yr	5 [F] Heat Input MMBtu/h	6 [G] MDE Registration No.	Emission Factors, lb/MMBtu of fuel input: 7 [H] NOx [B]	8 [I] CO [C]	9 [J] VOC [D]	10 [K] PM[E]	11 [L] SOx [F]	12 [L-1] pb [F-1]
4	Emerg Gen 1	Yes	103	62	127.6	9-1180	0.39	0.12	0.035	0.013	0.043	0.000014
5	Emerg Gen 2	Yes	66	40	127.6	9-1181	0.39	0.12	0.035	0.013	0.043	0.000014
6	Emerg Gen 3	Yes	92	52	127.6	9-1182	0.39	0.12	0.035	0.013	0.043	0.000014
7	Black Start Engine 1	Yes	48	36	5.2	9-1180	2.80	0.11	0.01	0.13	0.04	0.000009
8	Black Start Engine 2	Yes	48	16	5.2	9-1181	2.80	0.11	0.01	0.13	0.04	0.000009
9	Black Start Engine 3	Yes	48	32	5.2	9-1182	2.80	0.11	0.01	0.13	0.04	0.000009
10	Boiler 1 NCC	Yes	6171	183	7.5	5-1635	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
11	Boiler 2 NCC	Yes	6171	183	7.5	5-1636	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
12	Absorp Chiller NCC	No	0	-	10.4	5-1650	Values in Permit No. 03-5-1650 adjusted for actual runtime					
13	Boiler 1 SUPPLY	Yes	2880	489	3.35	5-1575	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
14	Boiler 2 SUPPLY	Yes	2880	489	3.35	5-1576	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
15	Boiler 1 ALTMEYER	Yes	2050	422	40	5-0889	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
16	Boiler 2 ALTMEYER	Yes	2050	422	31.3	5-0074	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
17	Boiler 3 ALTMEYER	Yes	2050	422	31.3	5-0075	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
18	Boiler 4 ALTMEYER	Yes	8760	1,802	22.6	5-2302	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
19	Boiler 1 CHILDCARE	Yes	2880	436	1.9	5-2582	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
20	Boiler 2 CHILDCARE	Yes	2880	436	1.9	5-1737	0.1	0.084	0.0055	0.0076	0.0006	0.0000005
21	Gasoline Storage Tank	Yes	8760	8,760	NA	9-0403	-	-	0	-		-
22	Emerg Gen, diesel 1	Yes	8	8	7.8	9-1436	3.2	0.85	0.008	0.1	0.05	0.000009
23	Emerg Gen, diesel 2	Yes	4	4	7.8	9-1437	4.41	0.95	0.36	0.31	0.29	0.000009
24	Emerg Gen, diesel 3	Yes	4	4	4.7	-	4.41	0.95	0.36	0.31	0.29	0.000009
25	Emerg Gen, diesel 4	Yes	55	52	3.1	-	4.41	0.95	0.36	0.31	0.29	0.000009
26	Emerg Gen, diesel 5	Yes	4	4	3.1	-	4.41	0.95	0.36	0.31	0.29	0.000009
27	Emerg Gen, diesel 6	Yes	4	4	0.8	-	4.41	0.95	0.36	0.31	0.29	0.000009
28	Emerg Gen, diesel 7	Yes	7	7	2.6	-	4.41	0.95	0.36	0.31	0.29	0.000009
29	Emerg Gen, diesel 8	Yes	1	1	0.4	-	4.41	0.95	0.36	0.31	0.29	0.000009

[A] Eqpt No.	Average Emissions, tons/period: 13 [M] NOx[G]	14 [N] CO[H]	15 [O] VOC[I]	16 [P] PM[J]	17 [Q] SOx[K]	18 [R] Type of Emission	Operating Schedule (Typical): 19 [S] Hrs/day	20 [T] Start	21 [U] End	22 [V] Days/wk	23 [W] Wk/yr	24 [X] Days/yr	Operating Schedule April-September: 25 [Y] hrs/day	26 [Z] Start	27 [AA] End	28 [AB] Source Classification Code (SCC) Number	29 [AC] Emissions Methods	30 AD] Original Emissions Methods	31 [AE] Output/ Capacity	33 [AF] Fuel
4	1.6	0.49	0.14	0.051	0.17	S	6:00	Varies	Varies	1	52	52	6:00	Varies	Varies	2-01-001-01	C1	C1	15.1 MW	K-1
5	1.0	0.32	0.09	0.033	0.11	S	6:00	Varies	Varies	1	52	52	6:00	Varies	Varies	2-01-001-01	C1	C1	15.1 MW	K-1
6	1.3	0.41	0.12	0.043	0.14	S	6:00	Varies	Varies	1	52	52	6:00	Varies	Varies	2-01-001-01	C1	C1	15.1 MW	K-1
7	0.26	0.010	0.001	0.012	0.004	S	0:30	Varies	Varies	1	52	52	0:30	Varies	Varies	2-02-004-01	C1	C1	500 kW	K-1
8	0.12	0.004	0.000	0.005	0.002	S	0:30	Varies	Varies	1	52	52	0:30	Varies	Varies	2-02-004-01	C1	C1	500 kW	K-1
9	0.23	0.009	0.001	0.011	0.004	S	0:30	Varies	Varies	1	52	52	0:30	Varies	Varies	2-02-004-01	C1	C1	500 kW	K-1
10	0.07	0.058	0.004	0.005	0.000	S	7:00	Cycles	On/Off	7	52	365	7:00	Cycles	On/Off	1-02-005-02	C3	C3	6 MMBtu/h	NG
11	0.07	0.058	0.004	0.005	0.000	S	7:00	Cycles	On/Off	7	52	365	7:00	Cycles	On/Off	1-02-005-02	C3	C3	6 MMBtu/h	NG
12	0.00	0.00	0.00	0.00	0.0	S	0:00	off	off	0	0	0	0:00	off	off	-	C7	C1	850 tons	NG
13	0.08	0.07	0.00	0.01	0.00	S	8:00	Cycles	On/Off	7	52	365	8:00	Cycles	On/Off	1-01-006-02	C3	C3	2.7 MMBtu/h	NG
14	0.08	0.07	0.00	0.01	0.00	S	8:00	Cycles	On/Off	7	52	365	8:00	Cycles	On/Off	1-01-006-02	C3	C3	2.7 MMBtu/h	NG
15	0.84	0.71	0.05	0.06	0.01	S	6:00	Cycles	On/Off	7	52	365	6:00	Cycles	On/Off	1-01-006-02	C3	C3	32 MMBtu/h	NG
16	0.66	0.55	0.04	0.05	0.00	S	6:00	Cycles	On/Off	7	52	365	6:00	Cycles	On/Off	1-01-006-02	C3	C3	25 MMBtu/h	NG
17	0.66	0.55	0.04	0.05	0.00	S	6:00	Cycles	On/Off	7	52	365	6:00	Cycles	On/Off	1-01-006-02	C3	C3	25 MMBtu/h	NG
18	2.04	1.71	0.11	0.15	0.01	S	8:00	Cycles	On/Off	7	52	365	8:00	Cycles	On/Off	1-01-006-02	C3	C3	15 MMBtu/h	NG
19	0.04	0.03	0.00	0.00	0.000	S	12:00	Cycles	On/Off	7	52	365	12:00	Cycles	On/Off	1-01-006-02	C3	C3	1.5 MMBtu/h	NG
20	0.04	0.03	0.00	0.00	0.000	S	12:00	Cycles	On/Off	7	52	365	12:00	Cycles	On/Off	1-01-006-02	C3	C3	1.5 MMBtu/h	NG
21	0.0	0.0	0.112	0.0	0.0	F	24:00	All day	-	7	52	365	24:00	All day	-	-	C8	C8	20,000 gal	Gasoline
22	0.1	0.03	0.00	0.003	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-02-004-01	C3	C3	1000 kW	#2
23	0.1	0.01	0.01	0.005	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	250 kW	#2
24	0.0	0.01	0.00	0.003	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	400 kW	#2
25	0.4	0.08	0.03	0.025	0.02	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	455 kW	#2
26	0.0	0.01	0.00	0.002	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	300 kW	#2
27	0.0	0.00	0.00	0.000	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	300 kW	#2
28	0.0	0.01	0.00	0.003	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	81 kW	#2
29	0.0	0.00	0.00	0.000	0.00	S	2:00	Varies	Varies	1	52	52	2:00	Varies	Varies	2-03-001-01	C3	C3	40 kW	#2

DO NOT DELETE: CO2 49 · CH4 50 · N2O 51 · HFCs 52 · PFCs 53 · SF6 54

[A] Eqpt No.	contd. 34 [AG] pb TPY	Emission Factors, lb/MMBtu of fuel input: 35 [AH] PM Filterable	36 [AI] PM10 Filterable	37 [AJ] PM2.5 Filterable	38 [AK] PM Condensible	Average Emission, tons/yr: 39 [AL] PM Filterable	40 [AM] PM10 Filterable	41 [AN] PM2.5 Filterable	42 [AO] PM Condensible	Greenhouse Gases Emission Factors, lb/MMBtu of fuel input: 43 [AP] CO2	44 [AQ] CH4	45 [AR] N2O	46 [AS] HFCs	47 [AT] PFCs	48 [AU] SF6	Greenhouse Gases Average Emissions, tons/yr: [AV] CO2	[AW] CH4	[AX] N2O	[AY] HFCs	[AZ] PFCs	[BA] SF6
4	5.56124E-05	0.0043	0.0025	0.0018	0.0072	0.0	0.0	0.0	0.0	157	0.00	0.00	0.00	0.00	0.00	624	0.000	0.000	0	0	0
5	3.5723E-05	0.0043	0.0025	0.0018	0.0072	0.0	0.0	0.0	0.0	157	0.00	0.00	0.00	0.00	0.00	401	0.000	0.000	0	0	0
6	4.65548E-05	0.0043	0.0025	0.0018	0.0072	0.0	0.0	0.0	0.0	157	0.00	0.00	0.00	0.00	0.00	522	0.000	0.000	0	0	0
7	8.424E-07	0.1236	0.07167	0.0519	0.0072	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	15	0.000	0.000	0	0	0
8	3.744E-07	0.1236	0.07167	0.0519	0.0072	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	7	0.000	0.000	0	0	0
9	7.488E-07	0.1236	0.07167	0.0519	0.0072	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	14	0.000	0.000	0	0	0
10	3.43125E-07	0.0019	0.00190	0.0019	0.0057	0.0	0.0	0.0	0.0	155	0.0016	0.0008	0.00	0.00	0.00	106	0.001	0.001	0	0	0
11	3.43125E-07	0.0019	0.00190	0.0019	0.0057	0.0	0.0	0.0	0.0	155	0.0016	0.0008	0.00	0.00	0.00	106	0.001	0.001	0	0	0
12	0	0	0	0	0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0	0.000	0.000	0	0	0
13	4.09938E-07	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	96	0.002	0.002	0	0	0
14	4.09938E-07	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	96	0.002	0.002	0	0	0
15	4.21709E-06	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	992	0.019	0.018	0	0	0
16	3.29987E-06	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	776	0.015	0.014	0	0	0
17	3.29987E-06	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	776	0.015	0.014	0	0	0
18	1.01927E-05	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.1	118	0.002	0.002	0.00	0.00	0.00	2398	0.046	0.044	0	0	0
19	2.07238E-07	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	49	0.001	0.001	0	0	0
20	2.07238E-07	0.0019	0.0019	0.0019	0.0057	0.0	0.0	0.0	0.0	118	0.002	0.002	0.00	0.00	0.00	49	0.001	0.001	0	0	0
21	0	0	0	0	0	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0	0.000	0.000	0	0	0
22	2.65293E-07	0.089	0.089	0.089	0.011	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	5	0.000	0.000	0	0	0
23	1.32647E-07	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	2	0.000	0.000	0	0	0
24	8.04724E-08	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	1	0.000	0.000	0	0	0
25	7.29557E-07	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	13	0.000	0.000	0	0	0
26	5.30587E-08	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	1	0.000	0.000	0	0	0
27	1.43258E-08	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	0	0.000	0.000	0	0	0
28	7.73773E-08	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	1	0.000	0.000	0	0	0
29	1.76862E-09	0.276	0.276	0.276	0.034	0.0	0.0	0.0	0.0	164	0.00	0.00	0.00	0.00	0.00	0	0.000	0.000	0	0	0

(a) When data were not available, the annual hours of operation were estimate

KEY: K-1 = Kerosene; NG = Natural Gas; #2 = No. 2 oil, also diese

COLUMN	DESCRIPTION	UNITS
[C]	Yes/No drop-down list, enables to identify equipment not operated in the calendar yea	None
[D]	Actual operating hours (if available) or average operating hours for the calendar year	h/yr
[E]	Runtime used in the calculations: set equal to [D] if [C] = YES; set equal to zero (0), if [C] = NO	h/yr
[F]	Equipment rated input capacity from nameplate	MMBtu/h
[H]-[L]	FROM REFERENCES LISTED IN THIS SHEET	lb/MMBtu
[M]	[E] h/yr x [H] lb/MMBtu x [F] MMBtu/h / 2000 lb/ton	ton/yr
[N]	[E] h/yr x [I] lb/MMBtu x [F] MMBtu/h / 2000 lb/ton	ton/yr
[O]	[E] h/yr x [J] lb/MMBtu x [F] MMBtu/h / 2000 lb/ton	ton/yr
[P]	[E] h/yr x [K] lb/MMBtu x [F] MMBtu/h / 2000 lb/ton	ton/yr
[Q]	[E] h/yr x [L] lb/MMBtu x [F] MMBtu/h / 2000 lb/ton	ton/yr
[R]	Type of emission, S = Stack, F = Fugitive	None
[S]-[AA]	Equipment operating schedule	various
[AB]	SCC reference from AP-42	None
[AC]-[AD]	Code for emissions calculation methoc	None
[AE]	Equipment full-load rated capacity	various
[AF]	Typical fuel used in the equipment	None

REFERENCES
Eqpt No. 1-3: AP-42 Emission Factors, distillate oil-fired uncontrolled combustion turbines, Tables 3.1-1 and 3.1-2a, 04/2000.
Equipment No. 4-6: Data from Solar Turbines, Inc. Refer to Table 2-2, *SSA NCC Permit to Construct Application* to MDE, 03/2002.
Equipment No. 7-9: Data from Caterpillar, Inc. Refer to *SSA NCC Permit to Construct Application* to MDE, March 2002.
Eqpt No. 10 & 11: AP-42 Emission Factors, small distillate oil-fired boilers < 100 MMBtu/h, Table 1.3-1, 02/1998. N_2 in fuel assumed as 0.01%.
Equipment No. 12: Based on MDE permit 03-5-1650N operating 80 days per year, 24 hours/day.
Eqpt No. 13-20: AP-42 Emission Factors, small natural gas-fired boilers < 100 MMBtu/h, Tables 1.4-1 and 1.4-2, 07/1998.
Equipment No. 1-3: AP-42 NOx and CO Emission Factors for Uncontrolled Distillate Fired Gas Turbines, Table 3.1-1, February 1998.
Equipment No. 10 & 11: SOx, NOx, CO and PM10 Emission Factors from AP-42, Table 1.3-1, boilers less than 100 MMBtu/h, February 1998.
Equipment No. 10 and 11: VOC Emission Factors from AP-42, Table 1.3-3 Uncontrolled Fuel Oil Combustion, February 1998.
Equipment No. 22-23: Emission Factors from AP-42, Table 3.3-1 Uncontrolled Gasoline and Diesel Industrial Engines, October 1996.

	List of Supporting Documents	Pages
1	Input Sheet	1
2	Attachment 1	2
3	UG Gasoline Tank	1
4	Smry Forms & EF Conv.	2
	Total	**6**

		Fuel Heating Values and Equipment Heat Input Rates		
K-1	1	Kerosene (K-1)	138,500	Btu/gal
NG	2	Natural Gas (NG)	1,000	Btu/ft³
	3	Average heat input for Solar Mars Turbines, #1 - #3	100	MMBtu/h
	4	Average heat input for Solar Titan Turbines #4 - #6, LHV at 60°F	128	MMBtu/h
	5	Caterpillar Black Start Engines, #7 - #9	5	MMBtu/h
	6	Hot Water Boiler Heat Rate Input (# 10 and #11)	6	MMBtu/h
	7	Steam Absorption Chiller (#12)	10	MMBtu/h
	8	HW Boiler Heat Rate Input (#13 and 14)	3	MMBtu/h
	9	Steam Boiler I (#15)	40	MMBtu/h
	10	Steam Boiler II (#16 and 17)	31	MMBtu/h
	11	Steam Boiler III (#18)	19	MMBtu/h
	12	HW Boiler (#19 and #20)	2	MMBtu/h
#2	13	Diesel or #2 oil	140,000	Btu/gal

TOXIC AIR POLLUTANTS (From Attachement 1, MDE)

Toxic Pollutants Applicable to SSA (see note below)	Pollutant [A]	Round to Nearest: Lbs / hr [B]	Round to Nearest: Tons/yr [C]	Emission Factors from AP-42[c]: [D] Boilers Oil Fired lb/MMBtu	[E] Boilers NG Fired lb/MMBtu	[F] IC Eng. Oil Fired lb/MMBtu	[G] IC Eng. NG Fired lb/MMBtu	[G1] IC Eng. #2 >600hp lb/MMBtu	[G2] IC Eng. #2 < 600hp lb/MMBtu	Total Pollutants Emitted lb/h [H]	Total Pollutants Emitted tons/yr [I]	[J] Flag for AP-42 Entry
	All Other 167 toxic pollutants											
	1,3-Butadiene	0.01	0.001			1.60E-05	4.30E-07		3.91E-05	3.3E-02	1.7E-04	0
	1,4-Dichlorobenzene(P)	1	0.1		1.18E-06					9.9E-04	5.2E-05	0
	Acetaldehyde	0.1	0.1				4.00E-05	2.52E-05	7.67E-04	4.3E-02	9.4E-05	0
	Acrolein	0.001	0.01				6.40E-06	7.88E-06	9.25E-05	5.3E-03	1.1E-05	0
	Arsenic & compounds	0.0001	0.0001	4.00E-06	2.00E-07	0.00E+00				2.7E-04	1.4E-05	0
	Benzene	0.01	0.1		2.10E-06	5.50E-05	1.20E-05	7.76E-04	9.33E-04	1.7E-01	7.8E-04	0
	Beryllium & compounds	0.00001	0.0001	3.00E-06	1.18E-08	0.00E+00				8.7E-05	4.6E-06	0
	Cadmium & compounds	0.0001	0.0001	3.00E-06	1.10E-06	4.80E-06				1.0E-02	1.0E-04	0
	Chromium (Elemental) Compounds	0.001	0.01	3.00E-06	1.40E-06	1.10E-05				2.2E-02	1.8E-04	0
	Cobalt & compounds	0.0001	0.001		8.40E-08					7.1E-05	3.7E-06	0
	Copper	0.001	0.01	6.00E-06	8.50E-07					8.7E-04	4.6E-05	0
	Ethyl benezene	1	10				3.20E-05			0.0E+00	0.0E+00	0
	Formaldehyde	0.001	0.01		7.50E-05	2.80E-04	7.10E-04	7.89E-05	1.18E-03	6.7E-01	6.3E-03	0
	Lead & compounds	0.0001	0.001	9.00E-06	5.00E-07	1.40E-05	0.00E+00			2.8E-02	1.8E-04	0
	Manganese & compounds	0.001	0.01	6.00E-06	3.80E-07	7.90E-04				1.5E+00	8.0E-03	0
	Mercury & compounds	0.0001	0.001	3.00E-06	2.60E-07	1.20E-06				2.6E-03	2.8E-05	0
	Naphthalene	0.1	1		6.10E-07	3.50E-05	1.30E-06	1.30E-04		6.9E-02	3.8E-04	0
	n-Hexane	1	10		1.80E-03					1.5E+00	8.0E-02	0
	Nickel & compounds	0.001	0.001	3.00E-06	2.10E-06	0.00E+00				1.9E-03	9.8E-05	0
	POM (PAHs)[a]	*As Individual Pollutant (See Below)*		2.38E-05	6.44E-07	4.00E-05	2.20E-06	2.12E-04	1.68E-04	9.0E-02	4.9E-04	0
	Propylene oxide	0.1	0.1				0.00E+00	2.79E-03	2.58E-03	1.8E-01	3.9E-04	0
	Selenium & Compounds	0.001	0.01	1.50E-05	0.00E+00	0.00E+00				3.9E-04	2.1E-05	0
	Toluene	1	10				1.30E-04	2.81E-04	4.09E-04	2.7E-02	5.8E-05	0
	Xylenes	1	10				6.40E-05	1.93E-04	2.85E-04	1.9E-02	4.0E-05	0
	Zinc compounds	0.01	0.1	4.00E-06	2.90E-05					2.5E-02	1.3E-03	0
	0-Cresol	0.1	1									1
	1,1,2,2-Tetrachloroethane	0.1	0.1									1
	1,1,2-Trichloroethane	0.1	1									1
	1,1-Dimethylhydrazine	0.0001	0.0001									1
	1,2,3,4,5,6-Hexachlorocyclyhexane	0.001	0.01									1
	1,2,4-Trichlorobenzene	0.1	1									1
	1,2-Dibromo-3-chloropropane	0.01	1									1
	1,2-Dichloropropane	1	10									1
	1,2-Diphenylhydrazine	0.01	0.001									1
	1,2-Epoxybutane	0.01	0.01									1
	1,2-Propylenimine	0.01	0.1									1
	1,3-Dichloropropene	0.01	0.01									1
	1,3-Propane sultone	10	10									1
	1,4-dioxane	1	0.1									1
	2,2,4-Trimethylpentane	0.1	1									1
	2,3,7,8,-TCDF/2,3,7,8-TCDD[b]	0.0000001	0.00000001									1
	2,4,5-Trichlorophenol	0.01	0.1									1
	2,4,6-Trichlorophenol	0.01	0.1									1
	2,4-D (including salts and esters)	0.1	0.1									1
	2,4-Dinitrophenol	0.001	0.001									1
	2,4-Dinitrotoluene	0.01	0.1									1
	2,4-Toluene Diisocyanate	0.0001	0.01									1
	2-Acetylaminofluorene	0.01	0.01									1
	2-Chloroacetophenone	0.001	0.01									1
	2-Nitropropane	0.1	0.0001									1
	3,3'-Dichlorobenzidine	0.001	0.001									1
	3,3'-Dimethoxybenzidine	0.1	0.1									1
	3,3'-Dimethylbenzidine	0.1	0.1									1
	4,4'-Methylenebix(2-chloroaniline)	0.001	0.01									1
	4,4'-Methylenedianiline	0.01	0.01									1
	4,4'-Methylenediphenyl diisocyanate (MDI)	0.0001	0.001									1
	4,6-Dinitro-o-cresol (including salts)	0.001	0.01									1
	4-Aminobiphenyl	0.01	0.1									1
	4-Dimethylaminoazobenzene	0.01	0.01									1
	4-Nitrobiphenyl	0.1	0.1									1
	4-Nitrophenol	0.01	0.01									1
	Acetamide	0.1	1									1
	Acetonitrile	1	1									1
	Acetophenone	0.1	1									1
	Acrylamide	0.0001	0.0001									1
	Acrylic Acid	0.1	0.1									1
	Acrylonitrile	0.01	0.01									1
	Allyl chloride	0.01	0.1									1
	Ammonia	0.1	1									1
	Aniline	0.1	0.1									1
	Antimony & compounds	0.001	0.01									1
	Benzidene	0.01	0.00001									1
	Benzotrichloride	0.01	0.0001									1
	Benzyl chloride	0.01	0.1									1
	Beta-Propiolactone	0.01	0.1									1
	Biphenyl	0.01	0.1									1
	Bis (2-ethylhexyl) phthalate	0.01	0.1									1
	Bis (chloromethyl) ether	0.00001	0.00001									1
	Bromoform	0.01	0.1									1
	Calcium cyanamide	0.001	0.01									1
	Captan	0.01	0.1									1
	Carbaryl	0.01	0.1									1
	Carbon disulfide	0.1	1									1
	Carbon tetrachloride	0.1	0.01									1
	Carbonyl sulfide	0.1	1									1
	Catechol	0.1	1									1
	Chloramben	0.1	1									1
	Chlordane	0.001	0.01									1
	Chlorine	0.01	0.1									1
	Chlorine dioxide	0.001	0.01									1
	Chloroacetic acid	0.01	0.1									1
	Chlorobenzene	0.1	1									1
	Chlorobenzilate	0.01	0.1									1
	Chloroform	0.1	0.01									1
	Chloromethyl methyl ether	0.01	0.1									1
	Chloroprene	0.1	1									1
	Chromium III Compounds	0.001	0.01									1
	Chromium VI Compounds	0.001	0.00001									1
	Coke oven emissions	0.001	0.001									1
	Cresol/Cresylic acid	0.1	1									1
	Cumene	1	10									1
	Cyanide Compounds	0.01	0.1									1
	DDE	0.01	0.1									1
	Diazomethane	0.001	0.01									1
	Dibenzofuran	0.1	1									1
	Dibutyl phthalate	0.01	0.1									1
	Dichloroethyl ether	0.1	1									1
	Dichlorvos	0.01	0.01									1
	Dieldrin	0.001	0.01									1
	Diethanolamine	0.01	0.1									1
	Diethyl sulfate	0.01	0.1									1
	Dimethyl phthalate	0.01	0.1									1

TOXIC AIR POLLUTANTS (From Attachement 1, MDE)

Pollutant [A]	Round to Nearest: Lbs / hr [B]	Round to Nearest: Tons/yr [C]	Emission Factors from AP-42[c]: [D] Boilers Oil Fired	[E] Boilers NG Fired	[F] IC Eng. Oil Fired	[G] IC Eng. NG Fired	[G1] IC Eng. #2 >600hp	[G2] IC Eng. #2 < 600hp	Total Pollutants Emitted		[J] Flag for AP-42
Dimethyl sulfate	0.001	0.01									1
Dimethylcarbamoyl chloride	0.01	0.1									1
Epichlorohydrin	0.01	0.1									1
Ethyl arcylate	0.1	0.01									1
Ethyl carbamate	0.01	0.1									1
Ethyl chloride	0.001	0.01									1
Ethylene blycol	1	1									1
Ethylene dibromide	1	0.001									1
Ethylene dichloride	0.1	0.01									1
Ethylene oxide	0.01	0.001									1
Ethylene thiourea	0.1	0.01									1
Ethyleneimine	0.01	0.01									1
Ethylidene dichloride	1	10									1
Glycol ethers	0.1	1									1
Heptachlor	0.0001	0.001									1
Hexachlorobutadiene	0.001	0.01									1
Hexachlorocyclopentadiene	0.001	0.001									1
Hexachloroethane	0.1	0.1									1
Hexamethylene diisocyanate	0.0001	0.001									1
Hexamethylphosphoramide	0.1	0.1									1
Hezachlorobenzene	0.00001	0.001									1
Hydrazine	0.001	0.001									1
Hydrochloric acid	0.1	0.1									1
Hydrogen fluoride	0.01	0.1									1
Hydroquinone	0.01	0.1									1
Isophorone	0.1	1									1
Maleic anhydride	0.01	0.01									1
m-Cresol	0.1	1									1
Methanol	1	10									1
Methoxychlor	0.1	0.1									1
Methyl bromide	0.01	0.01									1
Methyl chloride	0.1	0.1									1
Methyl chloroform	10	10									1
Methyl ethyl ketone (MEK)	10	10									1
Methyl hydrazine	0.0001	0.001									1
Methyl iodide	0.1	0.1									1
Methyl isobutyl ketone (MIBK)	1	10									1
Methyl isocyanate	0.0001	0.001									1
Methyl methacrylate	1	10									1
Methyl tert-butyl ether (MTBE)	1	10									1
Methylene chloride	1	1									1
m-Xylene	1	10									1
N,N-Dimethylaniline	0.1	1									1
N,N-Dimethylformamide	0.1	1									1
Nitrobenzene	0.01	0.1									1
N-Nitrosodimethylamine	0.001	0.00001									1
N-Nitrosomorpholine	0.01	0.01									1
N-Nitroso-N-methylurea	0.001	0.01									1
o-Anisidine	0.001	0.01									1
o-Toluidine	0.1	0.01									1
o-Xylene	1	10									1
Parathion	0.001	0.001									1
PCB	0.01	0.001									1
p-Cresol	0.1	1									1
Pentachloronitrobenzene	0.001	0.01									1
Pentachlorophenol	0.001	0.01									1
Phenol	0.1	1									1
Phosgene	0.001	0.01									1
Phosphine	0.001	0.01									1
Phosphorus	0.001	0.001									1
Phthalic anhydride	0.1	0.1									1
p-Phenylenediamine	0.001	0.001									1
Propionaldehyde	0.1	0.1									1
Propoxur	0.001	0.01									1
p-Xylene	1	10									1
Quinoline	0.01	0.1									1
Quinone	0.001	0.01									1
Stryene oxide	0.1	0.1									1
Styrene	1	1									1
Tetrachloroethylene (perchloroethylene)	1	10									1
Titanium Tetrachloride	0.01	0.1									1
Toluene-2,4-damine	0.0001	0.0001									1
Toxaphene	0.001	0.001									1
Trichloroethylene	1	10									1
Triethylamine	0.01	0.1									1
Trifluranlin	0.1	0.1									1
Vinyl acetate	0.1	1									1
Vinyl bromide	0.1	1									1
Vinyl chloride	0.1	0.01									1
Vinylidenen chloride	0.1	1									1

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[a]POM includes:

Acenaphthene	0.001	0.01
Acenaphthylene	0.01	0.1
Anthracene	0.001	0.01
Benz(a)anthracene	0.001	0.001
Benzo(a)pyrene	0.001	0.0001
Benzo(b)fluoranthene	0.1	0.001
Benzo(ghi)perylene	0.001	0.01
Benzo(k)fluoranthene	0.01	0.01
Chrysene	0.001	0.01
Dibenz(a,h)anthracene	0.0001	0.0001
Fluoranthene	0.1	0.1
Fluorene	0.001	0.01
Indeno(1,2,3-cd)pyrene	0.001	0.001
Naphthalene	0.1	1
Phenanthrene	0.01	0.01
Pyrene	0.001	0.01

[b]2,3,7,8-Tetrachlorodibenzofuran/
2,3,7,8-Tetrachlorodibenzo-p-dioxin.
Inventory these HAPS as toxic equivalents
(TEQs)

[c]AP-42 references are provided as comments in each cell.

NOTE: Emission factors listed in AP-42 as below detection values have been set equal to zero.

References for Toxic Pollutants	
1	Col [D] Emission factors from AP-42, Tables 1.3-8 & 1.3-10
2	Col [E] Emission factors from AP-42, Tables 1.4-2, 1.4-3 & 1.4-4
3	Col [F] Emission factors from AP-42, Tables 3.1-2a, 3.1-3, 3.1-4 & 3.1-5
4	Col [G] Emission factors from AP-42, Tables 3.1-2a & 3.1-3
5	Col [G1] Emission factors from AP-42, Tables 3.4-3 & 3.4-4
6	Col [G2] Emission factors from AP-42, Table 3.3-2

EXPLANATION FOR THIS SHEET AND FORM 3

[A]-[C]	From Attachment 1, MDE	various
[D]-[G2]	From AP-42 tables listed in this sheet	lb/MMBtu
From Form 3 for the toxic pollutant in [A]		
[H] and [I]: For each equipment based on fuel used (input)		
[H]	=[D] or [E] or [F] or [G] or [G1] or [G2] {lb/MMBtu} x rated input {MMBtu/h}	lb/h
[I]	=[D] or [E] or [F] or [G] {lb/MMBtu} / 2000 {lb/ton} x Oper. Hours {h/yr} x rated input {MMBtu/h}	ton/yr
[J]	Flag to separate and list the toxic pollutants that apply to SSA	

TANKS 4.0

Emissions Report - Summary Format

Tank Identification and Physical Characteristics			
Identification		**Paint Characteristics**	
User Identification	9-0403	Shell Color/Shade	Not Specified
City	Baltimore	Shell Condition	Not Specified
State	Maryland		
Company	SSA		
Type of Tank	Horizontal Tank		
Description	20,000 gallon double wall UG E85 tank		
Tank Dimensions		**Breather Vent Settings**	
Shell Length (ft)	34	Vacuum Settings (psig)	0.00
Diameter (ft)	10	Pressure Settings (psig)	0.00
Volume (gallons)	20,000		
Turnovers	1.4		
Net Throughput (gal/yr)	28,000		
Is Tank Heated? (Yes/No)	No		
Is Tank Underground? (Yes/No)	Yes		

Meteorological data used in emissions calculations: Baltimore, Maryland (Average atmospheric pressure = 14.67 psia)

Liquid Contents of Storage Tank

Mixture Component	Month	Daily Liquid Surface Temperature, °F			Liquid Bulk Temperature, °F	Vapor Pressure (psia)			Vapor MW	Liquid Mass Fraction	Vapor Mass Fraction	Mol. Wt.	Basis for Vapor Pressure Calculations
		Average	Minimum	Maximum		Average	Minimum	Maximum					
E85/Gasoline (RVP 11)	All	54.53	54.53	54.53	54.09	5.19	5.19	5.19	65.00	-	-	92.00	Option 4: RVP=11, ASTM Slope=3

Note: E85 fuel Reid Vapor Pressure (RVP) is in the range of 6-12 psi, and it is modeled as 11 psi here

Annual Emission Report

Components	Losses (lbs)		
	Working Loss	Breathing Loss	Total Emissions
Gasoline (RVP-11)	225	0	225

Total emission from 20,000 gallon double wall UG E85 tank	**0.112**	tons/year

Period	12	month(s)

Emissions Summary for Gasoline Tank, tons/period

NOx	CO	VOC	PM10	SOx
0	0	0.112	0	0