

**New York State Department of Environmental Conservation**

**Permit Review Report**

**Permit ID: 4-4224-00001/00103**

**8/2/02 13:27:54**



**Facility Identification Data**

Name: GE GLOBAL RESEARCH CENTER  
Address: 1 RESEARCH CIRCLE  
City: NISKAYUNA  
Zip: 12309

**Owner/Firm**

Name: GENERAL ELECTRIC CO  
City: FAIRFIELD  
State: CT Country: USA Zip: 06431  
Owner Classification: Corporation/Partnership

**Permit Contacts**

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**Permit Description**

**Introduction**

The Title V operating air permit is intended to be a document containing only enforceable terms and conditions as well as any additional information, such as the identification of emission units, emission points, emission sources and processes, that makes the terms meaningful. 40 CFR Part 70.7(a)(5) requires that each Title V permit have an accompanying "...statement that sets forth the legal and factual basis for the draft permit conditions". The purpose for this permit review report is to satisfy the above requirement by providing pertinent details regarding the permit/application data and permit conditions in a more easily understandable format. This report will also include background narrative and explanations of regulatory decisions made by the reviewer. It should be emphasized that this permit review report, while based on information contained in the permit, is separate document and is not itself an enforceable term and condition of the permit.

**Summary Description of Proposed Project**

The General Electric Corporate Research and Development (GE CR&D) facility is primarily engaged in research and development to support all of GE's businesses, including aircraft engines, plastics, medical systems, lighting, power systems, information systems, appliances, transportation systems, capital services, electrical distribution and control, motors and industrial systems, and the NBC television network. The organization also provides R&D for strategic external customers, including the U.S. Government. The facility is not proposing any changes in facility operations as a result of this application.

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#### Attainment Status

GE GLOBAL RESEARCH CENTER is located in the town of NISKAYUNA in the county of SCHENECTADY.

The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	MARGINAL NON-ATTAINMENT
Oxides of Nitrogen (NOx)**	ATTAINMENT
Carbon Monoxide (CO)	ATTAINMENT

\* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.

\*\* NOx has a separate ambient air quality standard in addition to being an ozone precursor

#### Facility Description

The General Electric Corporate Research and Development (R&D) facility located in Niskayuna N.Y., is one of the world's largest and most diversified industrial laboratories. The R&D center's research supports all of GE's businesses, as well as other customers. The laboratories comprising the facility execute programs in main areas, including: ceramics, chemical process technology, control systems and electronic technologies, electronic systems, engineering mechanics, environmental, industrial electronics, information technology, manufacturing technology, materials characterization, mechanical systems, physical metallurgy and polymer and inorganic systems. The principal SIC code for the facility represents commercial R&D activities. In addition, the facility has an onsite boiler house which supplies most of the site's heating needs.

#### Permit Structure and Description of Operations

The Title V permit for GE GLOBAL RESEARCH CENTER is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process.

A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has



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the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device.

[NOTE: Indirect sources of air contamination as defined in 6 NYCRR Part 203 (i.e. parking lots) are excluded from this definition]. The applicant is required to identify the principal piece of equipment (i.e., emission source) that directly results in or controls the emission of federal or state regulated air pollutants from an activity (i.e., process). Emission sources are categorized by the following types:

- combustion - devices which burn fuel to generate heat, steam or power
- incinerator - devices which burn waste material for disposal
- control - emission control devices
- process - any device or contrivance which may emit air contaminants that is not included in the above categories.

GE GLOBAL RESEARCH CENTER is defined by the following emission unit(s):

Emission unit B18201 - This emission unit consists of five package boilers located in the Boiler House (Building #6) routed to a common stack. The boilers have the following design heat input ratings: Boiler Numbers 1, 2, and 3: 32.7 MMBtu/hr each, Boiler Number 4: 65.6 MMBtu/hr, and Boiler Number 5: 60 MMBtu/hr. Boiler Numbers 1, 2, 3 and 5 are capable of burning either natural gas or fuel oil. Boiler Number 4 is capable of burning only fuel oil and incapable of being retrofitted to burn natural gas. Three processes (B01, B02, B03) were defined for this emission unit consisting of burning No. 6 fuel oil, natural gas, and No. 2 fuel oil.

Emission unit B18201 is associated with the following emission points (EP):

18201

It is further defined by the following process(es):

Process: B01 is located at 1st, Building 6 - Boiler Nos. 1, 2, 3, 4 and 5 are all capable of firing fuel oil.

This process was created to allow the burning of No. 6 fuel oil in any of the boilers

Process: B02 is located at 1st, Building 6 - Only Boiler Nos. 1, 2, 3 and 5 are capable of burning natural gas. This process was created to allow the burning of natural gas in Boiler Nos. 1, 2, 3 and 5.

Process: B03 is located at 1st, Building 6 - Boiler Nos. 1, 2, 3, 4 and 5 are all capable of burning fuel oil.

This process was created to allow the burning of No. 2 fuel oil in any of the boilers.

Emission unit D17551 - This emission unit consists of equipment located in the Chemical Processing Laboratory (CPL) of the Chemistry and Engineering Building (#9). The CPL normally synthesizes limited quantities (typically 10 to 1,000 pounds) of experimental materials including new additives or monomers for polymeric materials, new stabilizers, and new polymers. The emission unit includes a vacuum drying system, centrifugal filtration equipment, and reaction vessels and related equipment. In total, six separate exhaust system stacks serve this emission unit. Each piece of equipment may be used for research and development and/or limited scale manufacturing. Two processes (D01 and D02) were defined to represent these activities. This emission unit represents the grouping of existing permits for former "emission point" nos. 17551, 17552 and 17553.

Emission unit D17551 is associated with the following emission points (EP):

17552, JE367, JE381, JE382, JE409, JE687, JE693

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It is further defined by the following process(es):

Process: D01 is located at Chem. Process Lab300, Building 9 - This process consists the equipment located in the Chemical Processing laboratory being operated in a research mode.

Process: D02 is located at CPL room 300, Building 9 - This process consists of the equipment located in the Chemical Processing laboratory being operated in a manufacturing mode.

Emission unit E17624 - This emission unit consists of High Velocity Oxy Fuel (HVOF) and Plasma Arc metal spraying systems, an Electro-Slag-Remelting with Cold-Wall Induction Guiding (ESR-CIG) process, and metal powder spray booths within the Metallurgy and Ceramics Building (#2), and associated air emission control equipment located indoors and outside the northern wall of that building. The HVOF spray system is for metal based super alloy powder spraying. Fuels may include hydrogen, natural gas, and C3/C4 liquefied hydrocarbons.

The ESR-CIG system is used for purification and spray forming of super alloys. The spray booths are for spray forming using materials including metal based alloys, metal powders, and ceramic powders. Cyclones, integral to the process, are used to recover valuable alloys that escape the spray booth. This equipment is used for R&D purposes, but potentially could be used for limited scale manufacturing. Two processes (E01 and E02) were defined to represent these activities.

Emission unit E17624 is associated with the following emission points (EP):  
17624

It is further defined by the following process(es):

Process: E21 is located at NE corner, Building 2 - This process consists of the HVOF Spray System, ESR-CIG system, spray booth and associated air emission control equipment being operated in a research mode.

Process: E22 is located at NE corner, Building 2 - This process consists of the HVOF Spray System, ESR-CIG system, spray booth and associated emission control equipment being operated in a manufacturing mode.

Emission unit G17625 - This emission unit consists of a diesel generator which supplies single phase electric power to the ESR-CIG spray forming process (part of Emission Unit E-17624) located in the Metallurgy and Ceramics Building (#2). Since it is only capable of burning diesel fuel, only one process was defined (G01).

Emission unit G17625 is associated with the following emission points (EP):  
G0001, G0002

It is further defined by the following process(es):

Process: G01 is located at 50 ft from NE corner, Building 2 - This process consists of the diesel engine generator which supplies power to the ESR-CIG spray forming processes located in the Metallurgy and Ceramics building. The engine generator is only capable of burning diesel fuel.

Emission unit H17659 - This emission unit consists of one 28 MMBtu/hour natural gas fired indirect air preheater located in the Engineering Systems Building (#4) that is used to supply heated combustion air to the combustion test cell operations. Since this air preheater is only capable of burning natural gas, only one process was defined (H01).

Emission unit H17659 is associated with the following emission points (EP):  
17659

It is further defined by the following process(es):

Process: H01 is located at Test Cell Roof, Building 4 - This process consists of one air preheater

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associated with the test cells. It is only capable of burning natural gas.

Emission unit M17608 - This emission unit consists of an apparatus called a DC Plasma Spray located in the Metallurgy and Ceramics Building (#2) which is used to spray metal powders, and an associated vacuum collection system. This emission unit represents the grouping of existing permits for former "emission point" nos. 17608 and 17612. The DC Plasma Spray is normally used for R&D purposes, but potentially could be used for limited scale manufacturing. Two processes (M01 and M02) were defined to represent these activities.

Emission unit M17608 is associated with the following emission points (EP):  
17608, 17612

It is further defined by the following process(es):

Process: M01 is located at Basement/0M108, Building 2 - This process consists of operating the DC Plasma Spray Forming apparatus and associated vacuum system in a research mode.

Process: M02 is located at Basement/0M108, Building 2 - This process consists of operating the DC Plasma Spray Forming apparatus and associated vacuum system in a manufacturing mode.

Emission unit P17021 - This emission unit consists of a paint spray booth and associated paint filter located in the Main R&D Building K-1 (#1) used for limited volume coating of miscellaneous metal parts and metal furniture. Metal furniture coating is done solely for on-site maintenance purposes. No painting is done as a part of a manufacturing or retail operation. Two processes (P01 and P02) were defined representing painting with VOC compliant coatings and with Department approved specialty coatings.

Emission unit P17021 is associated with the following emission points (EP):  
17021

It is further defined by the following process(es):

Process: P01 is located at 1S16, Building 1 - This process consists of utilizing volatile organic compound (VOC) compliant coatings (in compliance with 6 NYCRR 228.7 and 228.8) in the spray paint booth.

Process: P02 is located at 1S16, Building 1 - This process consists of utilizing up to 55 gallons per year of specialty coatings approved by the Department as defined in 6 NYCRR 228 in the spray paint booth.

Emission unit R17611 - The emission unit consists of an apparatus called an RF Plasma Spray located in the Metallurgy and Ceramics Building (#2) which is used to spray siloxanes and metal and ceramic powders, and associated vacuum system. This emission unit represents the grouping of existing permits for former "emission point" nos. 17611 and 17615. The RF Plasma Spray is normally used for R&D, but potentially could be used for limited scale manufacturing. Two processes (R01 and R02) were defined to represent these activities.

Emission unit R17611 is associated with the following emission points (EP):  
17611, 17615

It is further defined by the following process(es):

Process: R01 is located at Basement/OM49, Building 2 - This process consists of operating the RF Plasma Spray Forming apparatus and associated vacuum system and oil demister in a research mode.

Emission unit S17260 - This emission unit consists of operations associated with the VLSI and PSF "clean room" operations located in the K-West Building (#10). Both electronic systems research and polymer studies are conducted in the building. The VLSI process area consists of equipment capable of being used to conduct electronics research and limited manufacturing in the areas of GE-proprietary detector development, multi-chip modules, silicon, and silicon carbide. The PSF area consists of equipment capable of being used to conduct research to quantify the flow characterization of a

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polyurethane foam system, or to produce small quantities of polymers. Each of these processes exhausts through one of four stacks. This emission unit represents the grouping of existing permits for former "emission point" nos. 17259 and 17260. The clean rooms are normally used for R&D, but potentially could be used for limited scale manufacturing. Two processes (S01 and S02) were defined to represent these activities.

Emission unit S17260 is associated with the following emission points (EP):  
17250, 17251, 17252, 17253

It is further defined by the following process(es):

Process: S01 is located at Clean Rooms, Building 10 - This process consists of conducting research in the VLSI and PSF "clean room" operations.

Process: S02 is located at Clean Rooms, Building 10 - This process consists of conducting limited manufacturing in the VLSI and PSF "clean room" operations.

Emission unit U00001 - This emission unit consists of a 5,000 gallon horizontal underground storage tank (UST) located near the garage used to store gasoline for on-site use. One process (U01) representing the storage of gasoline was defined for this emission unit.

Emission unit U00001 is associated with the following emission points (EP):  
U0001

It is further defined by the following process(es):

Process: U01 is located at near garage, Building 8 - This process describes the storage of gasoline in the 5,000 gallon horizontal underground storage tank.

Emission unit W17018 - This emission unit consists of multiple cold cleaner degreasers or open top vapor degreasers (smaller than 11 square feet of open area) located throughout the facility. All of these degreasers utilize solvents which are not Class I or Class II ozone depleting substances (ODS). All emissions are fugitive and occur inside of buildings. This emission unit constitutes a facility wide activity not associated with any specific building or emission point. One process (W01) was used to define the activity of cleaning items/parts, and one building (#1) was used as a representative location for the site.

Emission unit W17018 is associated with the following emission points (EP):  
17018

It is further defined by the following process(es):

Process: W01 is located at Multiple, Building 1 - This process consists of using any of the various portable/transportable degreasers to clean items.

Emission unit Z17601 - This emission unit consists of a spray booth located in the Metallurgy and Ceramics Building (#2) which is used for plasma arc spraying and High Velocity Oxy Fuel (HVOF) spraying of metal alloys and ceramic powders. Both research and limited scale manufacturing may be conducted using the equipment. Two processes (Z01 and Z02) were defined to represent these activities. Fuels may include hydrogen, C3/C4 liquefied hydrocarbons, and kerosene like liquids (optionally with additives).

Emission unit Z17601 is associated with the following emission points (EP):  
17601

It is further defined by the following process(es):

Process: Z01 is located at High Bay, Building 2 - This process consists of operating the spray booth in a research mode.

Process: Z02 is located at High Bay, Building 2 - This process consists of operating the spray booth in a manufacturing mode.

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Emission unit A10000 - This emission unit consists of miscellaneous small combustion units with design heat inputs less than 20 MMBtu/hr each that are exhausted through emission points which serve only these combustion units. Three of the sources are located in or adjacent to the Engineering Systems Building (#4), and one is located in the Garage (#8).

Emission unit A10000 is associated with the following emission points (EP):  
17657, 17658, A1001, A1002

It is further defined by the following process(es):

Process: A01 is located at Building 4 - This process consists of miscellaneous small combustion units (<20 MMBtu/hr) burning only natural gas. There are 3 units (<10 MMBtu/hr) with SCC code 1-03-006-03 and 1 unit (10-100 MMBtu/hr) with SCC Code 1-03-006-02.

**Title V/Major Source Status**

GE GLOBAL RESEARCH CENTER is subject to Title V requirements. This determination is based on the following information:

The facility is major because the potential to emit (PTE) for several contaminants is greater than the Title V applicability thresholds. The PTE for oxides of nitrogen (NO<sub>x</sub>), sulfur dioxide (SO<sub>2</sub>), particulates, and particulate matter less than 10 microns (PM-10) from the facility are each greater than 100 tons per year which is the Title V applicability threshold. The PTE for volatile organic compounds (VOC) from the facility is greater than 50 tons per year which is the Title V applicability threshold. The PTE for total hazardous air pollutants (HAP) is greater than 25 tons per year which is the Title V thresholds. The PTE for the individual hazardous air pollutants chlorobenzene, chloroform, chrome (III) oxide, chromium, chromium carbide, cobalt, dichloromethane, methyl alcohol, nickel metal and insoluble compounds, and toluene are greater than 10 tons per year which is the Title V threshold.

**Program Applicability**

The following chart summarizes the applicability of GE GLOBAL RESEARCH CENTER with regards to the principal air pollution regulatory programs:

<b>Regulatory Program</b>	<b>Applicability</b>
PSD	YES
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	YES
NESHAP (MACT - 40 CFR Part 63)	NO
NSPS	YES
TITLE IV	NO
TITLE V	YES

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TITLE VI	NO
RACT	YES
SIP	YES

**NOTES:**

**PSD** Prevention of Significant Deterioration (40 CFR 52) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NSR** New Source Review (6 NYCRR Part 231) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's)

**MACT** Maximum Achievable Control Technology (40 CFR 63) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

**NSPS** New Source Performance Standards (40 CFR 60) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

**s20 Title IV** Acid Rain Control Program (40 CFR 72 thru 78) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

**Title VI** Stratospheric Ozone Protection (40 CFR 82, Subparts A thru G) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), HCFC's (hydrofluorocarbons) or other ozone depleting substances or regulated substitute substances in equipment such as air conditioners, refrigeration equipment or motor vehicle air conditioners or appliances.

**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the

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purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

SIP State Implementation Plan (40 CFR 52, Subpart HH) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

### Compliance Status

Facility is in compliance with all requirements

### SIC Codes

SIC or Standard Industrial Classification code is an industrial code developed by the federal Office of Management and Budget for use, among other things, in the classification of establishments by the type of activity in which they are engaged. Each operating establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. Larger facilities typically have more than one SIC code.

SIC Code	Description
8731	COMMERCIAL PHYSICAL RESEARCH

### SCC Codes

SCC or Source Classification Code is a code developed and used by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information. Each SCC represents a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

SCC Code	Description
4-04-004-01	BULK TERMINALS/PLANTS BULK TERMINALS/PLANTS FOR PETROLEUM PRODUCTS - UNDERGROUND TANKS
3-01-018-99	Gasoline RVP 13: Breathing Loss CHEMICAL MANUFACTURING
3-13-065-05	CHEMICAL MANUFACTURING - PLASTICS PRODUCTION PLASTICS PRODUCTION - OTHERS NOT SPECIFIED
1-03-005-01	ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT - SEMICONDUCTOR MANUFACTURING
	PHOTORESIST OPERATIONS: GENERAL
	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL
	COMMERCIAL/INSTITUTIONAL BOILER - DISTILLATE OIL Grades 1 and 2 Oil

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- 1-03-006-02      EXTERNAL COMBUSTION BOILERS -  
COMMERCIAL/INDUSTRIAL  
COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS  
10-100 MMBtu/Hr
- 1-03-006-03      EXTERNAL COMBUSTION BOILERS -  
COMMERCIAL/INDUSTRIAL  
COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS  
Less Than 10 MMBtu/Hr
- 1-03-004-01      EXTERNAL COMBUSTION BOILERS -  
COMMERCIAL/INDUSTRIAL  
COMMERCIAL/INSTITUTIONAL BOILER - RESIDUAL OIL  
Grade 6 Oil
- 3-09-040-20      FABRICATED METAL PRODUCTS  
FABRICATED METAL PRODUCTS - METAL DEPOSITION  
PROCESSES
- 2-01-001-02      Plasma Arc Spraying of Powdered Metal  
INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION  
ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL  
(DIESEL)  
Reciprocating
- 4-01-003-35      ORGANIC SOLVENT EVAPORATION  
COLD SOLVENT CLEANING/STRIPPING  
Entire Unit
- 4-02-001-10      SURFACE COATING OPERATIONS  
SURFACE COATING APPLICATION - GENERAL  
Paint: Solvent-Base
- 4-02-002-10      SURFACE COATING OPERATIONS  
SURFACE COATING APPLICATION - GENERAL  
Paint: Water-Base

**Facility Emissions Summary**

In the following table, the CAS No. or Chemical Abstract Series code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not true CAS No.'s but rather an identification which has been developed by the department to identify groups of contaminants which ordinary CAS No.'s do not do. As an example, volatile organic compounds or VOC's are identified collectively by the NY CAS No. 0NY998-00-0.] The PTE refers to the Potential to Emit. This is defined as the maximum capacity of a facility or air contaminant source to emit any air contaminant under its physical and operational design. Any physical or operational limitation on the capacity of the facility or air contamination source to emit any air contaminant, including air pollution control equipment and/or restrictions on the hours of operation, or on the type or amount or material combusted, stored, or processed, shall be treated as part of the design only if the limitation is contained in federally enforceable permit conditions. The PTE Range represents an emission range for a contaminant. Any PTE quantity that is displayed represents a facility-wide emission cap or limitation for that contaminant. If no PTE quantity is displayed, the PTE Range is provided to indicate the approximate magnitude of facility-wide emissions for the specified contaminant in terms of tons per year (tpy). The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000092-52-4	1, 1 BIPHENYL(HAP)	> 0	but < 10 tpy

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000079-34-5	1,1,2,2-TETRACHLOROETHANE (HAP)	> 0 but < 10 tpy
000076-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE (FREON)	> 0 but < 2.5 tpy
000057-14-7	1,1-DIMETHYL HYDRAZINE (HAP)	> 0 but < 10 tpy
000120-82-1	1,2,4-TRICHLOROBENZENE (HAP)	> 0 but < 10 tpy
000084-74-2	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (HAP)	> 0 but < 10 tpy
000120-80-9	1,2-BENZENEDIOL (HAP)	> 0 but < 10 tpy
000107-06-2	1,2-DICHLOROETHANE (HAP)	> 0 but < 10 tpy
000107-21-1	1,2-ETHANEDIOL (HAP)	> 0 but < 10 tpy
000095-80-7	1,3-BENZENEDIAMINE, 4-METHYL- (HAP)	> 0 but < 10 tpy
000106-99-0	1,3-BUTADIENE (HAP)	> 0 but < 10 tpy
000126-99-8	1,3-BUTADIENE, 2-CHLORO- (HAP)	> 0 but < 10 tpy
000085-44-9	1,3-ISOBENZOFURANDIONE (HAP)	> 0 but < 10 tpy
000123-31-9	1,4-BENZENEDIOL (HAP)	> 0 but < 10 tpy
000123-91-1	1,4-DIETHYLENE DIOXIDE (HAP)	> 0 but < 10 tpy
000098-86-2	1-PHENYLETHANONE (HAP)	> 0 but < 10 tpy
000542-75-6	1-PROPENE, 1,3-DICHLORO- (HAP)	> 0 but < 10 tpy
001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-D IOXIN (HAP)	> 0 but < 10 tpy
000121-14-2	2,4, DINITRO TOLUENE (HAP)	> 0 but < 10 tpy
000051-28-5	2,4, DINITROPHENOL (HAP)	> 0 but < 10 tpy
000088-06-2	2,4,6 TRICHLOROPHENOL (HAP)	> 0 but < 10 tpy
000108-31-6	2,5 - FURANDIONE (HAP)	> 0 but < 10 tpy
000053-96-3	2-ACETYLAMINOFLUORENE (HAP)	> 0 but < 10 tpy
000078-59-1	2-CYCLOHEXEN-1-ONE, 3,5,5-TRIMETHYL (HAP)	> 0 but < 10 tpy
000105-60-2	2H-AZEPIN-2-ONE, HEXAHYDRO	>= 2.5 tpy but < 10 tpy
000095-48-7	2-METHYL-PHENOL (HAP)	> 0 but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL (HAP)	> 0 but < 10 tpy
000107-98-2	2-PROPANOL, 1-METHOXY	>= 2.5 tpy but < 10 tpy
000079-10-7	2-PROPENOIC ACID (HAP)	> 0 but < 10 tpy
000140-88-5	2-PROPENOIC ACID, ETHYL ESTER (HAP)	> 0 but < 10 tpy
000091-94-1	3,3'-DICHLOROBENZIDINE (HAP)	> 0 but < 10 tpy
000119-90-4	3,3'-DIMETHOXYBENZIDINE (HAP)	> 0 but < 10 tpy
000107-05-1	3-CHLORO-1-PROPENE (HAP)	> 0 but < 10 tpy
000101-77-9	4,4'-DIAMINODIPHENYLMETHANE (HAP)	> 0 but < 10 tpy
000101-14-4	4,4-METHYLENE BIS (2-CHLOROANILINE) (HAP)	> 0 but < 10 tpy
000092-93-3	4-NITROBIPHENYL (HAP)	> 0 but < 10 tpy
000075-07-0	ACETALDEHYDE (HAP)	> 0 but < 10 tpy
000060-35-5	ACETAMIDE (HAP)	> 0 but < 10 tpy
006923-52-0	ACETIC ACID ANITIMONY SALT (HAP)	> 0 but < 10 tpy
000108-05-4	ACETIC ACID ETHENYL ESTER (HAP)	> 0 but < 10 tpy
000079-11-8	ACETIC ACID, CHLORO (HAP)	> 0 but < 10 tpy
000071-48-7	ACETIC ACID, COBALT SALT (HAP)	> 0 but < 10 tpy
000301-04-2	ACETIC ACID, LEAD (2+) SALT (HAP)	> 0 but < 10 tpy
000373-02-4	ACETIC ACID, NICKEL (2+) SALT (HAP)	> 0 but < 10 tpy
006018-89-9	ACETIC ACID, NICKEL (2+) SALT, TETRAHYDRATE (HAP)	> 0 but < 10 tpy
000075-05-8	ACETONITRILE (HAP)	> 0 but < 10 tpy
000107-02-8	ACROLEIN (HAP)	> 0 but < 10 tpy
000532-27-4	ALPHA-CHLOROACETOPHENONE (HAP)	> 0 but < 10 tpy
000062-53-3	ANILINE (HAP)	> 0 but < 10 tpy
001309-64-4	ANTIMONY TRIOXIDE (HAP)	> 0 but < 10 tpy
007784-42-1	ARSINE (HAP)	> 0 but < 10 tpy
001332-21-4	ASBESTOS (HAP)	> 0 but < 10 tpy
000075-55-8	AZIRIDINE, 2-METHYL (HAP)	> 0 but < 10 tpy
000090-04-0	BENZENAMINE, 2-METHOXY (HAP)	> 0 but < 10 tpy
000095-53-4	BENZENAMINE, 2-METHYL (HAP)	> 0 but < 10 tpy
000121-69-7	BENZENAMINE, N, N-DIMETHYL (HAP)	> 0 but < 10 tpy
000071-43-2	BENZENE (HAP)	> 0 but < 10 tpy

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000098-82-8	BENZENE, (1-METHYLETHYL)(HAP)	> 0 but < 10 tpy
026471-62-5	BENZENE, 1,3-DIISOCYANATOMETHYL	>= 2.5 tpy but < 10 tpy
000106-46-7	BENZENE, 1,4-DICHLORO-(HAP)	> 0 but < 10 tpy
000584-84-9	BENZENE, 2,4-DIISO CYANATO-1-METHYL-(HAP)	> 0 but < 10 tpy
000098-07-7	BENZENE, TRICHLOROMETHYL(HAP)	> 0 but < 10 tpy
000092-87-5	BENZIDINE(HAP)	> 0 but < 10 tpy
000050-32-8	BENZO(A)PYRENE(HAP)	> 0 but < 10 tpy
000100-44-7	BENZYL CHLORIDE(HAP)	> 0 but < 10 tpy
007440-41-7	BERYLLIUM(HAP)	> 0 but < 10 tpy
000057-57-8	BETA-PROPIOLACTONE(HAP)	> 0 but < 10 tpy
000117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE(HAP)	> 0 but < 10 tpy
013814-96-5	BORATE(1-), TETRAFLUORO-, LEAD(2+)(HAP)	> 0 but < 10 tpy
000353-59-3	BROMOCHLORODIFLUOROMETHANE	> 0 but < 2.5 tpy
000075-25-2	BROMOFORM(HAP)	> 0 but < 10 tpy
007440-43-9	CADMIUM(HAP)	> 0 but < 10 tpy
000543-90-8	CADMIUM ACETATE(HAP)	> 0 but < 10 tpy
000051-79-6	CARBAMIC ACID, ETHY ESTER(HAP)	> 0 but < 10 tpy
000079-44-7	CARBAMIC CHLORIDE, DIMETHYL(HAP)	> 0 but < 10 tpy
000075-15-0	CARBON DISULFIDE(HAP)	> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 50 tpy but < 100 tpy
000056-23-5	CARBON TETRACHLORIDE(HAP)	> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE(HAP)	> 0 but < 10 tpy
007440-46-2	CESIUM	>= 2.5 tpy but < 10 tpy
007782-50-5	CHLORINE(HAP)	> 0 but < 10 tpy
000108-90-7	CHLOROBENZENE(HAP)	>= 10 tpy
000075-45-6	CHLORODIFLUORO-METHANE	> 0 but < 2.5 tpy
000067-66-3	CHLOROFORM(HAP)	>= 10 tpy
000076-15-3	CHLOROPENTAFLUOROETHANE	> 0 but < 2.5 tpy
000075-72-9	CHLOROTRIFLUOROMETHANE CCLF3	> 0 but < 2.5 tpy
001308-38-9	CHROME (III) OXIDE(HAP)	>= 10 tpy
007440-47-3	CHROMIUM(HAP)	>= 10 tpy
001066-30-4	CHROMIUM ACETATE(HAP)	> 0 but < 10 tpy
012012-35-0	CHROMIUM CARBIDE(HAP)	>= 10 tpy
021679-31-2	CHROMIUM,TRIS(2,4-PENTANEDIONA TO-O,O')-, (OC-6-11)-(HAP)	> 0 but < 10 tpy
007440-48-4	COBALT(HAP)	>= 10 tpy
014763-77-0	COPPER CYANIDE(HAP)	> 0 but < 10 tpy
001319-77-3	CRESYLIC ACID(HAP)	> 0 but < 10 tpy
000156-62-7	CYANAMIDE, CALCIUM SALT (1:1)(HAP)	> 0 but < 10 tpy
000132-64-9	DIBENZOFURAN(HAP)	> 0 but < 10 tpy
000075-71-8	DICHLORODIFLUOROMETHANE	> 0 but < 2.5 tpy
000075-09-2	DICHLOROMETHANE(HAP)	>= 10 tpy
000627-53-2	DIETHYL SELENIDE(HAP)	> 0 but < 10 tpy
000131-11-3	DIMETHYL PHTHALATE(HAP)	> 0 but < 10 tpy
034590-94-8	DIPROPYLENE GLYCOL METHYL ETHER	>= 2.5 tpy but < 10 tpy
000811-97-2	ETHANE, 1,1,1,2-TETRAFLURO	> 0 but < 2.5 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO(HAP)	> 0 but < 10 tpy
000079-00-5	ETHANE, 1,1,2-TRICHLORO(HAP)	> 0 but < 10 tpy
000075-34-3	ETHANE, 1,1-DICHLORO-(HAP)	> 0 but < 10 tpy
000075-37-6	ETHANE, 1,1-DIFLUORO-	> 0 but < 2.5 tpy
000111-44-4	ETHANE, 1,1'-OXYBIS 2-CHLORO(HAP)	> 0 but < 10 tpy
000106-93-4	ETHANE, 1,2-DIBROMO(HAP)	> 0 but < 10 tpy
000306-83-2	ETHANE, 2,2-DICHLORO-1,1-TRIFLUORO-	> 0 but < 2.5 tpy
000075-00-3	ETHANE, CHLORO(HAP)	> 0 but < 10 tpy
000067-72-1	ETHANE, HEXACHLORO(HAP)	> 0 but < 10 tpy
000111-42-2	ETHANOL, 2,2'-IMINOBIS-(HAP)	> 0 but < 10 tpy
000111-76-2	ETHANOL, 2-BUTOXY-(HAP)	> 0 but < 10 tpy
000075-35-4	ETHENE,1,1-DICHLORO(HAP)	> 0 but < 10 tpy
000510-15-6	ETHYL	> 0 but < 10 tpy

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	4,4'-DICHLOROBENZILATE (HAP)	
000106-88-7	ETHYL OXIRANE (HAP)	> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE (HAP)	> 0 but < 10 tpy
000079-06-1	ETHYLENE CARBOXAMIDE (HAP)	> 0 but < 10 tpy
000075-21-8	ETHYLENE OXIDE (HAP)	> 0 but < 10 tpy
000096-45-7	ETHYLENE THIOUREA (HAP)	> 0 but < 10 tpy
000151-56-4	ETHYLENEIMINE (HAP)	> 0 but < 10 tpy
000050-00-0	FORMALDEHYDE (HAP)	> 0 but < 10 tpy
000068-12-2	FORMAMIDE, N,N-DIMETHYL (HAP)	> 0 but < 10 tpy
0NY100-00-0	HAP	>= 25 tpy but < 40 tpy
000110-54-3	HEXANE (HAP)	> 0 but < 10 tpy
000822-06-0	HEXANE, 1,6-DIISOCYANATO- (HAP)	> 0 but < 10 tpy
000074-90-8	HYDROCYANIC ACID (HAP)	> 0 but < 10 tpy
007647-01-0	HYDROGEN CHLORIDE (HAP)	> 0 but < 10 tpy
007664-39-3	HYDROGEN FLUORIDE (HAP)	> 0 but < 10 tpy
000122-66-7	HYRAZINE, 1,2 - DIPHENYL (HAP)	> 0 but < 10 tpy
007439-92-1	LEAD (HAP)	> 0 but < 10 tpy
007439-96-5	MANGANESE (HAP)	> 0 but < 10 tpy
000638-38-0	MANGANESE ACETATE (HAP)	> 0 but < 10 tpy
007487-94-7	MERCURY CHLORIDE (HAP)	> 0 but < 10 tpy
022967-92-6	MERCURY (1+), METHYL- (HAP)	> 0 but < 10 tpy
000062-75-9	METHANAMINE, N-METHYL-N-NITROSO (HAP)	> 0 but < 10 tpy
000075-63-8	METHANE, BROMOTRIFLUORO- CBRF3	> 0 but < 2.5 tpy
000542-88-1	METHANE, OXYBIS (CHLORO) (HAP)	> 0 but < 10 tpy
000075-69-4	METHANE, TRICHLOROFLUORO-	> 0 but < 2.5 tpy
000072-43-5	METHOXYCHLOR (HAP)	> 0 but < 10 tpy
000080-62-6	METHYL ACRYLIC ACIDMETHYL ESTER (HAP)	> 0 but < 10 tpy
000067-56-1	METHYL ALCOHOL (HAP)	>= 10 tpy
000074-83-9	METHYL BROMIDE (HAP)	> 0 but < 10 tpy
000074-87-3	METHYL CHLORIDE (HAP)	> 0 but < 10 tpy
000107-30-2	METHYL CHLOROMETHYLETHER (HAP)	> 0 but < 10 tpy
000078-93-3	METHYL ETHYL KETONE (HAP)	> 0 but < 10 tpy
000060-34-4	METHYL HYDRAZINE (HAP)	> 0 but < 10 tpy
000074-88-4	METHYL IODIDE (HAP)	> 0 but < 10 tpy
000624-83-9	METHYL ISOCYANATE (HAP)	> 0 but < 10 tpy
001634-04-4	METHYL TERTBUTYL ETHER (HAP)	> 0 but < 10 tpy
000101-68-8	METHYLENE BISPHENYL ISOCYANATE (HAP)	> 0 but < 10 tpy
000121-44-8	N,N-DIETHYL ETHANAMINE (HAP)	> 0 but < 10 tpy
000091-20-3	NAPHTHALENE (HAP)	> 0 but < 10 tpy
013463-39-3	NICKEL CARBONYL (HAP)	> 0 but < 10 tpy
007718-54-9	NICKEL CHLORIDE (HAP)	> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS (HAP)	>= 10 tpy
001313-99-1	NICKEL OXIDE (HAP)	> 0 but < 10 tpy
000098-95-3	NITROBENZENE (HAP)	> 0 but < 10 tpy
000059-89-2	NITROSOMORPHOLINE (HAP)	> 0 but < 10 tpy
000684-93-5	NITROSO-N-METHYLUREA (HAP)	> 0 but < 10 tpy
000119-93-7	O-TOLIDINE (HAP)	> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 250 tpy
000106-89-8	OXIRANE, (CHLOROMETHYL) (HAP)	> 0 but < 10 tpy
000092-67-1	P-AMINODIPHENYL (HAP)	> 0 but < 10 tpy
000100-02-7	PARA-NITROPHENOL (HAP)	> 0 but < 10 tpy
0NY075-00-0	PARTICULATES	>= 250 tpy
000082-68-8	PENTACHLORONITROBENZENE (HAP)	> 0 but < 10 tpy
000540-84-1	PENTANE, 2,2,4-TRIMETHYL- (HAP)	> 0 but < 10 tpy
000127-18-4	PERCHLOROETHYLENE (HAP)	> 0 but < 10 tpy
000108-95-2	PHENOL (HAP)	> 0 but < 10 tpy
000534-52-1	PHENOL, 2-METHYL-4,6-DINITRO (HAP)	> 0 but < 10 tpy
000108-39-4	PHENOL, 3-METHYL (HAP)	> 0 but < 10 tpy
000106-44-5	PHENOL, 4-METHYL (HAP)	> 0 but < 10 tpy
000087-86-5	PHENOL, PENTACHLORO (HAP)	> 0 but < 10 tpy
000075-44-5	PHOSGENE (HAP)	> 0 but < 10 tpy
007803-51-2	PHOSPHINE (HAP)	> 0 but < 10 tpy
000680-31-9	PHOSPHORIC TRIAMIDE,	> 0 but < 10 tpy

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000056-38-2	HEXAMETHYL (HAP) PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-(4-NITROPHENYL) ESTER (HAP)	> 0 but < 10 tpy
007723-14-0	PHOSPHORUS (YELLOW) (HAP)	> 0 but < 10 tpy
0NY075-00-5	PM-10	>= 250 tpy
001336-36-3	POLYCHLORINATED BIPHENYL (HAP)	> 0 but < 10 tpy
000106-50-3	P-PHENYLENEDIAMINE (HAP)	> 0 but < 10 tpy
001120-71-4	PROPANE SULFONE (HAP)	> 0 but < 10 tpy
000096-12-8	PROPANE, 1,2-DIBROMO-3-CHLORO (HAP)	> 0 but < 10 tpy
000078-87-5	PROPANE, 1,2-DICHLORO (HAP)	> 0 but < 10 tpy
000075-56-9	PROPANE, 1,2-EPOXY- (HAP)	> 0 but < 10 tpy
000079-46-9	PROPANE, 2-NITRO (HAP)	> 0 but < 10 tpy
025498-49-1	PROPANOL, [2-(2-METHOXYMETHYLET HOXY)METHYLETHOXY]-	>= 2.5 tpy but < 10 tpy
000107-13-1	PROPENENITRILE (HAP)	> 0 but < 10 tpy
000123-38-6	PROPIONALDEHYDE (HAP)	> 0 but < 10 tpy
000091-22-5	QUINOLINE (HAP)	> 0 but < 10 tpy
000106-51-4	QUINONE (HAP)	> 0 but < 10 tpy
000143-33-9	SODIUM CYANIDE (HAP)	> 0 but < 10 tpy
000100-42-5	STYRENE (HAP)	> 0 but < 10 tpy
000096-09-3	STYRENE OXIDE (HAP)	> 0 but < 10 tpy
013770-89-3	SULFAMIC ACID, NICKEL(2+) SALT (2:1) (HAP)	> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 250 tpy
000064-67-5	SULFURIC ACID, DIETHYL ESTER (HAP)	> 0 but < 10 tpy
000077-78-1	SULFURIC ACID, DIMETHYL ESTER (HAP)	> 0 but < 10 tpy
007786-81-4	SULFURIC ACID, NICKEL(2+) SALT (1:1) (HAP)	> 0 but < 10 tpy
007550-45-0	TITANIUM TETRACHLORIDE (HAP)	> 0 but < 10 tpy
000108-88-3	TOLUENE (HAP)	>= 10 tpy
000079-01-6	TRICHLOROETHYLENE (HAP)	> 0 but < 10 tpy
000095-95-4	TRICHLOROPHENOL, 2,4,5 (HAP)	> 0 but < 10 tpy
000075-46-7	TRIFLUOROMETHANE	> 0 but < 2.5 tpy
000593-60-2	VINYL BROMIDE (HAP)	> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE (HAP)	> 0 but < 10 tpy
0NY998-00-0	VOC	>= 50 tpy but < 100 tpy
001330-20-7	XYLENE, M, O & P MIXT. (HAP)	> 0 but < 10 tpy

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A:**

**Sealing - 6NYCRR Part 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

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Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

**Item B: Acceptable Ambient Air Quality - 6NYCRR Part 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

**Item C: Maintenance of Equipment - 6NYCRR Part 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications, required to operate such device effectively.

**Item D: Unpermitted Emission Sources - 6NYCRR Part 201-1.2**

If an existing emission source was subject to the permitting requirements of 6NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

**Item E: Emergency Defense - 6NYCRR Part 201-1.5**

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

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(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

(1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;

(2) The equipment at the permitted facility causing the emergency was at the time being properly operated;

(3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and

(4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

**Item F: Recycling and Salvage - 6NYCRR Part 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

**Item G: Prohibition of Reintroduction of Collected Contaminants to the Air - 6NYCRR Part 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

**Item H: Public Access to Recordkeeping for Title V Facilities - 6NYCRR Part 201-1.10(b)**

The Department will make available to the public any permit application, compliance plan, permit, and monitoring and compliance certification report pursuant to Section 503(e) of the Act, except for information entitled to confidential treatment pursuant to 6NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

**Item I: Proof of Eligibility for Sources Defined as Exempt Activities - 6NYCRR Part 201-3.2(a)**

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The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item J: Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR Part 201-3.3(a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request.

Department representatives must be granted access to any facility which contains emission sources or units subject to 6 NYCRR Subpart 201-3, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

**Item K: Timely Application for the Renewal of Title V Permits - 6 NYCRR Part 201-6.3(a)(4)**

Owners and/or operators of facilities having an issued Title V permit shall submit a complete application at least 180 days, but not more than eighteen months, prior to the date of permit expiration for permit renewal purposes.

**Item L: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

**Item M: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act

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and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

**Item N: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**

This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

**Item O: Providing Information Upon Request - 6 NYCRR Part 201-6.5(a)(4)**

The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The permittee shall also, on request, furnish the Department with copies of records required to be kept by the permit. Where information is claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

**Item P: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR Part 201-6.5(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item Q: Property Rights - 6 NYCRR Part 201-6.5(a)(6)**

This permit does not convey any property rights of any sort or any exclusive privilege.

**Item R: Fees - 6 NYCRR Part 201-6.5(a)(7)**

The owner and/or operator of a stationary source shall pay fees to the department consistent with the fee schedule authorized by 6 NYCRR Subpart 482-2.

**Item S: Right to Inspect - 6 NYCRR Part 201-6.5(a)(8)**

Upon presentation of credentials and other documents, as may be required by law, the permittee shall allow the Department or an

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authorized representative to perform the following:

- i. Enter upon the permittee's premises where the permitted facility is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- iii. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- iv. As authorized by the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements.

**Item T: Severability - 6 NYCRR Part 201-6.5(a)(9)**

If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.

**Item U: Progress Reports and Compliance Schedules - 6 NYCRR Part 201-6.5(d)(5)**

Progress reports consistent with an applicable schedule of compliance must be submitted at least semiannually on a calendar year basis, or at a more frequent period if specified in the applicable requirement or by the Department elsewhere in this permit. These reports shall be submitted to the Department within 30 days after the end of a reporting period. Such progress reports shall contain the following:

- i. Dates for achieving the activities, milestones, or compliance required in the schedule of compliance, and dates when such activities, milestones or compliance were achieved; and
- ii. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**Item V: Off Permit Changes - 6 NYCRR Part 201-6.5(f)(6)**

No permit revision will be required for operating changes that contravene an express permit term, provided that such changes would not violate applicable requirements as defined under this Part or contravene federally enforceable monitoring (including test methods),

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recordkeeping, reporting, or compliance certification permit terms and conditions. Such changes may be made without requiring a permit revision, if the changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions) provided that the facility provides the Administrator and the Department with written notification in advance of the proposed changes within a minimum of 7 days as required by 6 NYCRR §201-6.5(f)(6).

**Item W: Permit Shield - 6 NYCRR Part 201-6.5(g)**

All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that such applicable requirements are included and are specifically identified in the permit, or the Department, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the major stationary source, and the permit includes the determination or a concise summary thereof. Nothing herein shall preclude the Department from revising or revoking the permit pursuant to 6 NYCRR Part 621 or from exercising its summary abatement authority. Nothing in this permit shall alter or affect the following:

- i. The ability of the Department to seek to bring suit on behalf of the State of New York, or the Administrator to seek to bring suit on behalf of the United States, to immediately restrain any person causing or contributing to pollution presenting an imminent and substantial endangerment to public health, welfare or the environment to stop the emission of air pollutants causing or contributing to such pollution;
- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

**Item X: Reopening for Cause - 6 NYCRR Part 201-6.5(i)**

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This Title V permit shall be reopened and revised under any of the following circumstances:

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

Proceedings to reopen and issue Title V facility permits shall follow the same procedures as apply to initial permit issuance but shall affect only those parts of the permit for which cause to reopen exists.

Reopenings shall not be initiated before a notice of such intent is provided to the facility by the Department at least thirty days in advance of the date that the permit is to be reopened, except that the Department may provide a shorter time period in the case of an emergency.

**Item Y: Required Emission Tests - 6 NYCRR Part 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6NYCRR Part 202-1.

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- Item Z: Visible Emissions Limited - 6 NYCRR Part 211.3**  
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.
- Item AA: Open Fires - 6 NYCRR Part 215**  
No person shall burn, cause, suffer, allow or permit the burning in an open fire of garbage, rubbish for salvage, or rubbish generated by industrial or commercial activities.
- Item BB: Permit Exclusion - ECL 19-0305**  
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.
- Item CC: Federally Enforceable Requirements - 40 CFR 70.6(b)**  
All terms and conditions in this permit required by the Act or any applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

- Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**  
Any person who owns and/or operates stationary sources shall operate

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and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

The owner or operator of the permitted facility must maintain all required records on-site for a period of five years and make them available to representatives of the Department upon request. Department representatives must be granted access to any facility regulated by this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations or law.

**Regulatory Analysis**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Short Description</b>	<b>Condition</b>
FACILITY	ECL 19-301.	Powers and Duties of the Department with respect to air pollution control	141
FACILITY	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	37
B-18201/18201	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	48, 49, 50, 47
E-17624/17624	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	78, 77
M-17608	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	97, 98
P-17021/17021	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	99
R-17611	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	126, 127
Z-17601/17601	40CFR 52-A.21(i)(1)	Review of Major Stationary Sources and Major Modifications - Source Applicability	139, 140
H-17659/17659/H01/AP300	40CFR 60-A.	General provisions	87
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P-17021/17021	40CFR 60-A.4	Address General provisions - Address	101
H-17659/17659/H01/AP300	40CFR 60-Dc.48c(g)	Reporting and Recordkeeping Requirements.	89
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P-17021/17021	40CFR 60-EE.310(c)	Metal furniture mfg using over 1000 gallons of coating/year constructed after 11/28/80	102
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FACILITY	40CFR 68.	using asbestos, and other sources Chemical accident prevention provisions	31
FACILITY	40CFR 82-F.	Protection of Stratospheric Ozone - recycling and emissions reduction	32
FACILITY	40CFR 82-G.176	Protection of Stratospheric Ozone - significant new alternatives policy program	33
FACILITY	40CFR 82-G.178	Protection of Stratospheric Ozone - significant new alternatives policy program	34
FACILITY	6NYCRR 201-1.4	Unavoidable noncompliance and violations	142
FACILITY	6NYCRR 201-6.	Title V Permits and the Associated Permit Conditions	1, 35, 36
FACILITY	6NYCRR 201-6.5(c)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	3
FACILITY	6NYCRR 201-6.5(c)(2)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	4
FACILITY	6NYCRR 201-6.5(c)(3)(ii)	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring	2
FACILITY	6NYCRR 201-6.5(e)	Compliance Certification	5
FACILITY	6NYCRR 201-6.5(f)	Operational flexibility	6
FACILITY	6NYCRR 201-6.5(g)	Permit shield	7
FACILITY	6NYCRR 201-7.2	Emission capping using synthetic minor permits.	8
FACILITY	6NYCRR 202-1.2	Notification.	9
FACILITY	6NYCRR 202-1.3(a)	Acceptable procedures - reference methods	10
FACILITY	6NYCRR 202-1.5	Prohibitions.	11
FACILITY	6NYCRR 202-2.1	Emission Statements - Applicability	12
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### Applicability Discussion:

Mandatory Requirements: The following facility-wide regulations are included in all Title V permits:

#### ECL 19-301.

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

#### 6NYCRR Part 201-1.4

This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable state enforceable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

#### 6NYCRR Part 201-6

This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

#### 6NYCRR Part 201-6.5(c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or

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measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

#### 6NYCRR Part 201-6.5(c)(2)

This requirement specifies that all compliance monitoring and recordkeeping is to be conducted according to the terms and conditions of the permit and follow all QA requirements found in applicable regulations. It also requires monitoring records and supporting information to be retained for at least 5 years from the time of sampling, measurement, report or application. Support information is defined as including all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

#### 6NYCRR Part 201-6.5(e)

Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

#### 6NYCRR Part 201-6.5(g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

#### 6NYCRR Part 202-2.1

Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

#### 6NYCRR Part 202-2.5

This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

#### 6NYCRR Part 211-.2

This regulation prohibits any emissions of air contaminants to the outdoor atmosphere which may be detrimental to human, plant or animal life or to property, or which unreasonably interferes with the comfortable enjoyment of life or property regardless of the existence of any specific air quality standard or emission limit.

#### 40 CFR Part 68.

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

#### 40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of

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appliances in accordance with section 608 of the Clean Air Act Amendments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

### Facility Specific Requirements

In addition to Title V, GE GLOBAL RESEARCH CENTER has been determined to be subject to the following regulations:

#### 40CFR 52-A.21 (i) (1)

Any stationary source or modification to which the requirements of this regulation apply cannot begin construction without a valid permit.

#### 40CFR 60-A.

This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

#### 40CFR 60-A.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Enforcement and Compliance Assurance.

#### 40CFR 60-Dc.48c (g)

The owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each day.

#### 40CFR 60-Dc.48c (i)

This regulation requires the source owner or operator to retain all records for a minimum of two years.

#### 40CFR 60-EE.310 (c)

Any owner or operator of a metal furniture surface coating operation that uses less than 3,842 liters of coating per year and keeps purchase or inventory records or other data necessary to substantiate annual coating usage shall be exempt from all other provisions of 40 CFR 60, Subpart EE.

#### 40CFR 61-M.

The requirements for the National Emission Standard for Asbestos are included in this regulation. GE may perform activities at the facility that involve asbestos in accordance with the requirements of this regulation.

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40CFR 68.

This Part lists the regulated substances and their applicability thresholds and sets the requirements for stationary sources concerning the prevention of accidental releases of these substances.

40CFR 82-G.176

This rule specifies the notification requirements for any producer of a new substitute as per the Significant New Alternatives Policy Program (SNAP). The producer must submit a notice of intent to introduce a substitute into interstate commerce 90 days prior to such introduction. Any producer of an existing substitute already in interstate commerce must submit a notice as of July 18, 1994, if such substitute has not already been reviewed and approved by the Agency.

Producers are exempt from notification requirements for the following substitutes:

- (1) Substitutes already listed as acceptable.
- (2) Small sectors
- (3) Small volume use within SNAP sectors
- (4) Research and development
- (5) Test marketing
- (6) Formulation changes
- (7) Substitutes used as feedstocks

40CFR 82-G.178

The following information is required to be submitted for those persons whose substitutes are subject to reporting requirements:

- (1) Name and description of the substitute. The substitute should be identified by its: Chemical name; trade name(s); identification numbers; chemical formula; and chemical structure.
- (2) Physical and chemical information. The substitute should be characterized by its key properties including but not limited to: Molecular weight; physical state; melting point; boiling point; density; taste and/or odor threshold; solubility; partition coefficients (Log Kow, Log Koc); atmospheric lifetime and vapor pressure.
- (3) Substitute applications. Identification of the applications within each sector end-use in which the substitutes are likely to be used.
- (4) Process description. For each application identified, descriptive data on processing, including in-place pollution controls.
- (5) Ozone depletion potential. The predicted 100-year ozone depletion potential (ODP) of substitute chemicals. The submitter must also provide supporting documentation or references.
- (6) Global warming impacts. Data on the total global warming potential of the substitute, including

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information on the GWP index and the indirect contributions to global warming caused by the production or use of the substitute (e.g., changes in energy efficiency). GWP must be calculated over a 100, 500 and 1000-year integrated time horizon.

(7) Toxicity data. Health and safety studies on the effects of a substitute, its components, its impurities, and its degradation products on any organism (e.g., humans, mammals, fish, wildlife, and plants). c

(8) Environmental fate and transport.

(9) Flammability.

(10) Exposure data. Available modeling or monitoring data on exposures associated with the manufacture, formulation, transport, use and disposal of a substitute.

(11) Environmental release data. Data on emissions from the substitute application and equipment, as well as on pollutant releases or discharge to all environmental media. Submitters should provide information on release locations, and data on the quantities, including volume, of anticipated waste associated with the use of the substitute.

(12) Replacement ratio for a chemical substitute. Information on the replacement ratio for a chemical substitute versus the class I or II substances being replaced. The term "replacement ratio" means how much of a substitute must be used to replace a given quantity of the class I or II substance being replaced.

(13) Required changes in use technology. Detail on the changes in technology needed to use the alternative. Such information should include a description of whether the substitute can be used in existing equipment -- with or without some retrofit -- or only in new equipment. Data on the cost (capital and operating expenditures) and estimated life of any technology modifications should also be submitted.

(14) Cost of substitute. Data on the expected average cost of the alternative.

(15) Availability of substitute. .

(16) Anticipated market share. Data on the anticipated near-term and long-term nationwide substitute sales.

(17) Applicable regulations under other environmental statutes. I

(18) Information already submitted to the Agency.

(19) Information already available in the literature.

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The Significant New Alternatives Policy (SNAP) Information Notice is designed to provide the Agency with the information necessary to reach a decision on the acceptability of a substitute.

#### 6NYCRR 201-6.5 (c)

This requirement specifies what information must be included in any records and reports that are to be maintained or submitted as a result of any compliance monitoring. Records of all monitoring data and support information is to be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Reports of any required monitoring as a result of a federally applicable requirement needs to be submitted every 6 months, at a minimum. Finally, the permit needs to include a notification and reporting process for permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

#### 6NYCRR 201-6.5 (c) (2)

This requirement specifies what information must be included in any records and reports that are to be maintained or submitted as a result of any compliance monitoring. Records of all monitoring data and support information is to be retained for a period of at least 5 years from the date of the monitoring, sampling, measurement, report, or application. Reports of any required monitoring as a result of a federally applicable requirement needs to be submitted every 6 months, at a minimum. Finally, the permit needs to include a notification and reporting process for permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

#### 6NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

#### 6NYCRR 201-6.5 (f)

This regulation defines in general terms under what circumstances changes would be allowed without a permit modification provided the permit contains sufficient operational flexibility provisions.

#### 6NYCRR 201-7.2

This section of Part 201-7 specifies the criteria that need to be met in order to restrict emissions to avoid Title V or other applicable requirements using federally enforceable permit conditions in a state facility permit.

#### 6NYCRR 202-1.2

This regulation specifies that the department is to be notified at least 30 days in advance of any required stack test. The notification is to include a list of the procedures to be used that are acceptable to the department. Finally, free access to observe the stack test is to be provided to the department's representative.

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#### 6NYCRR 202-1.3 (a)

This regulation requires that any emission testing, sampling and analytical determination used to determine compliance must use methods acceptable to the department. Acceptable test methods may include but are not limited to the reference methods found in 40 CFR Part 60 appendix A and Part 61, appendix B. In addition, unless otherwise specified, all emission test reports must be submitted within 60 days after completion of testing.

#### 6NYCRR 202-1.5

This rule prohibits the concealment of an emission by the use of air or other gaseous diluents (diluting agents) to achieve compliance with an emission standard which is based on the concentration of a contaminant in the gases emitted through a stack.

#### 6NYCRR 202-2.3

This rule specifies the information to be included in a required emission statement.

#### 6NYCRR 207 .

This regulation requires the owner or operator to submit an episode action plan to the Department in accordance with the requirements of 6NYCRR Part 207. The plan must contain detailed steps which will be taken by the facility to reduce air contaminant emissions during each stage of an air pollution episode. Once approved, the facility shall take whatever actions are prescribed by the episode action plan when an air pollution episode is in effect.

#### 6NYCRR 212 .10 (a)

This regulation details the applicability criteria that would subject facilities to reasonably available control technology requirements. Facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements.

#### 6NYCRR 212 .10 (c) (1)

This regulation details which emission points are subject to reasonably available control technology. Emission points with nitrogen oxide and volatile organic compound emission rate potentials less than 3.0 pounds per hour at facilities located outside of the lower Orange County and New York City metropolitan areas are not required to have reasonably available control technology.

#### 6NYCRR 212 .10 (e)

The regulation states that any facility that is subject to reasonably available control technology for volatile organic compounds and/or oxides of nitrogen under 6 NYCRR Part 212.10 after May 31, 1995 will remain subject to the regulation regardless of their emissions.

#### 6NYCRR 212 .4 (a)

This rule requires compliance with the degree of control specified in Tables 2, 3 and 4 for new (after July 1, 1973) process emission sources.

#### 6NYCRR 212 .4 (b)

212.4(b) establishes a limit on gas and liquid particulates.

#### 6NYCRR 212 .4 (c)

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This rule requires existing sources (in operation after July 1, 1973) of solid particulates with environmental rating of B or C which are not subject to Table 5 "Processes for which Permissible Emission Rate is Based on Process Weight, to be limited to an particulate emission rate not to exceed 0.05 grains per dry standard cubic foot.

6NYCRR 212 .6 (a)

This rule specifies an opacity limitation of less than 20% for any six consecutive minute period for all process emission sources.

6NYCRR 212 .9 (b)

This section refers to Table 2 which specifies the degree of control required for Gases and Liquid Particulate Emissions (Environmental Rating of A, B, C or D) and Solid Particulate Emissions (Environmental Rating A or D) but excluding Volatile Organic Compound Emissions in the New York City Metropolitan Area.

6NYCRR 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6NYCRR 225-1.6 (b)

This regulation requires that as of January 1, 1988 any person who buys, sells, offer for sale, or uses fuel must comply with the percent sulfur requirements specified in section 6 NYCRR 225-1.2 .

6NYCRR 225-1.8

This regulation requires an owner or operator of a facility which purchases and fires coal and/or oil to submit reports to the commissioner containing fuel analysis data, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1.

6NYCRR 225-1.8 (a)

Upon request the owner or operator of a facility which purchases and fires coal or oil shall submit reports to the commissioner containing a fuel analysis, information on the quantity of the fuel received, burned, and results of any stack sampling, stack monitoring and any other procedures to ensure compliance with the provisions of 6 NYCRR Part 225-1. All records shall be available for a minimum of three years

6NYCRR 225-1.8 (d)

This requires that sampling, compositing and analysis of fuel samples must be done in accordance with methods acceptable to the commissioner.

6NYCRR 225-2.6 (c)

This regulation requires that Waste Fuels A or B be sold only to those facilities permitted to handle or use these fuels.

6NYCRR 226 .

This regulation sets forth the equipment specifications, operating requirements and general requirements for facilities that perform solvent metal cleaning.

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6NYCRR 227 .2 (b) (1)

This regulation is from the 1972 version of Part 227 and still remains as part of New York's SIP. The rule establishes a particulate limit of 0.1 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6NYCRR 227-1.2 (a) (2)

This rule limits particulate emissions to 0.20 pound per million Btu heat input from any stationary combustion installation with a maximum heat input capacity exceeding 50 million Btu per hour but no greater than 250 million Btu per hour using oil (other than distillate oil), coal tar, or any liquid fuel derived from coal.

6NYCRR 227-1.3

This regulation requires a limitation and compliance monitoring for opacity from a stationary combustion installation.

6NYCRR 227-1.3 (a)

This regulation prohibits any person from operating a stationary combustion installation which emits smoke equal to or greater than 20% opacity except for one six-minute period per hour of not more than 27% opacity.

6NYCRR 227-1.6 (a)

This regulation requires that any facility found in violation of the provisions of Part 227 must not operate the affected stationary combustion installation that is in violation unless it is equipped with approved emission control equipment, it is rehabilitated or upgraded in an approved manner; or the fuel is changed to an acceptable type

6NYCRR 227-1.6 (b)

This regulation states that the Department may seal the affected stationary combustion installation that does not comply with the provisions in subdivision 6 NYCRR 227-1.6(a) within the time provided.

6NYCRR 227-1.6 (c)

This regulation state that no person may operate any affected stationary combustion installation sealed by the commissioner in accordance with this Part 227.

6NYCRR 227-1.6 (d)

This regulation states that no person except Department personnel may remove, tamper with, or destroy any seal affixed to any affected stationary combustion installation.

6NYCRR 227-2.1

This condition notes that a facility is subject to the reasonably available control technology (RACT) for oxides of nitrogen (NOx).

6NYCRR 227-2.4 (c) (1) (i)

This subparagraph regulates the emission rates for oxides of nitrogen from midsized boilers firing gas and/or distillate oil which utilize approved technology.

6NYCRR 227-2.4 (c) (1) (iv)

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This regulation allows the owner or operator of a mid-size boiler to propose an alternative control technology based upon the technical infeasibility of the prerequisite technologies or limits.

6NYCRR 227-2.4 (c) (2)

This regulation requires mid-size boilers (fuel combustion units with a maximum heat input capacity greater than 50 million Btu per hour and equal to or less than 100 million Btu per hour that produce steam or heats water or any other heat transfer medium) to meet the following emission limits (listed in pounds NO<sub>x</sub> per million Btu) by May 31, 1985:

for Gas fuel - 0.10

for Distillate Oil - 0.12

for Residual Oil - 0.30

Compliance with these emission limits are determined with a 1-hour average in accordance with section 227-2.6(a)(4). If CEMs are used to determine compliance, the requirements of 227-2.6(b) apply, including the use of a 24-hour averaging period.

6NYCRR 227-2.4 (d)

This rule specifies that the reasonably available control technology (RACT) requirement for small boilers (< or = 50 million BTUs/hr) at Title V facilities consists of an annual tune-up.

6NYCRR 227-2.4 (g)

This subdivision is meant to require RACT on a significant combustion source which has no RACT provisions. This includes those units which have been "exempted." Rather than treat a significant source that falls below the size cutoffs of other subdivisions in this section as requiring no control, if the unit emits over 3 lb/hr uncontrolled or more than 15 lb./day.

As an example, a 300 hp internal combustion engines which is uncontrolled is exempt from needing a permit upstate. However, this unit emits about 7 lb/hr. This unit is a significant source of NO<sub>x</sub> and should therefore have RACT applied.

6NYCRR 227-2.5 (c)

For those units for which the owner/operator makes a clear and convincing demonstration that the applicable emission limits in this Subpart are not economically or technically feasible even through fuel switching or with system wide averaging, the owner/operator can request the Department to set a higher unit specific emission limit based on the capabilities of combustion modifications. This alternative reasonably available control technology emission limit must be approved by the Department and by the EPA as a revision to the State Implementation Plan.

6NYCRR 228 .1 (a)

This reference requires coating lines, subject to this rule and described in Table 1 or 2, to include the method(s) which will be used to comply with this rule along with the permit application.

6NYCRR 228 .1 (d) (4)

Any facility subject to this subdivision which is constructed after March 1, 1993 must demonstrate compliance with this rule upon startup.

6NYCRR 228 .1 (g)

This reference states that a facility subject to this rule will always be subject to this rule even if the VOC emissions are reduced below the applicability levels.

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6NYCRR 228 .1 (h)

This reference provides a list of surface coating methods which are exempted from the requirements of this rule.

6NYCRR 228 .10

The requirements for handling, storage, and disposal of VOCs are provided in this section.

6NYCRR 228 .2

This reference provides definitions for the important terms used in this rule.

6NYCRR 228 .3 (a)

This reference provides the three options that can be used to control VOC emissions from a surface coating process. The three options are to use a compliant coating (i.e., one that does not exceed the allowable VOC content), the use of a coating system, or the use of air pollution control equipment.

6NYCRR 228 .4

This reference requires the opacity of the emissions from a facility, with surface coating processes subject to this rule, to be less than 20 % during any consecutive six minute period. Opacity limits are used primarily to control the quantity of particulates released from a source.

6NYCRR 228 .5 (a)

This reference provides the recordkeeping requirements for emission sources subject to this rule. All of these records must be kept for at least five years and provided to the Department upon request.

6NYCRR 228 .5 (b)

The analytical methods in 40 CFR 60, Appendix A, Method 24 must be used to determine the volatile content, water content, density, volume of solids, and weight of solids of the surface coatings

6NYCRR 228 .5 (c)

This reference allows the use of alternative analytical methods for determining the volatile content, water content, density, volume of solids, and weight of solids of the surface coatings, with the Department's approval, if the analytical methods in 40 CFR 60, Appendix A, Method 24 are not appropriate.

6NYCRR 228 .5 (d)

This reference requires facilities to allow Department staff to enter the facility in order to take coating samples during reasonable business hours.

6NYCRR 228 .6 (a)

This reference prohibits a person from selling, specifying, or requiring the use of any coating at a facility, with a coating line described in Table 1 or 2, if the use of the coating is prohibited by any provision in this rule. However, this prohibition does not apply to coating lines with control equipment capable of meeting the allowable VOC emission limits, a compliant coating system, or a coating line which has been granted a variance.

6NYCRR 228 .6 (b)

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This reference requires a salesperson to provide a certification to each user upon request, which indicates the VOC content of the purchased coating that is used in a coating line.

### 6NYCRR 228.7

Table 1 provides a list of surface coating processes and the corresponding allowable VOC content of the coatings used in each process.

### 6NYCRR 230.5

This section requires record keeping of delivered fuel which must be maintained for two years.

### ECL 19-301.

This section of the Environmental Conservation Law establishes the powers and duties assigned to the Department with regard to administering the air pollution control program for New York State.

## Non Applicability Analysis

### List of non-applicable rules and regulations:

Location Facility/EU/EP/Process/ES	Short Description	Regulation
A-10000/-/A01/AP100	Steam generators 10-100 million Btu per hour	40CFR 60-Dc.
Reason: This rule does not apply since the air preheater has a maximum design heat input capacity less than 10 million Btu per hour.		
A-10000/-/A01/BL600	Steam generators 10-100 million Btu per hour	40CFR 60-Dc.
Reason: This rule does not apply since the boiler has a maximum design heat input capacity less than 10 million Btu per hour.		
A-10000/-/A01/BL700	Steam generators 10-100 million Btu per hour	40CFR 60-Dc.
Reason: This rule does not apply since the boiler has a maximum design heat input capacity less than 10 million Btu per hour.		
A-10000/17658/A01/AP200	Steam generators 10-100 million Btu per hour	40CFR 60-Dc.
Reason: This rule does not apply since the air preheater was installed in 1980, before the rule's applicability date of June 9, 1989.		
B-18201/18201	Steam generators 10-100 million Btu per hour	40CFR 60-Dc.
Reason: None of the boilers making up this emission unit have been constructed, modified or reconstructed, as defined by the EPA, after June 9, 1989.		
FACILITY	Stationary gas turbines over 10 million Btu per hour	40CFR 60-GG.
Reason: Per attachment to the Title V permit application: "No stationary gas turbine subject to that rule is located at the facility."		
U-00001/U0001/U01/TK100	Petroleum liquid storage tanks over 40,000 gallons capacity	40CFR 60-K.
Reason: Gasoline tank on site is less than 40,000 gallon capacity.		
Reason: Gasoline tank on site is less than 40,000 gallon capacity.		
U-00001/U0001/U01/TK100	NSPS for volatile organic	40CFR 60-Kb.

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liquid storage vessels-  
applicability and designation  
of affected facilities  
Reason: Gasoline tank on site is less than 10,000 gallon capacity.

W-17018/17018 Subpart T - Halogenated 40CFR 63-T.  
Solvent Cleaning NESHAP

Reason: None of the parts washers/degreasers which make up emission unit W-17018 utilize any solvent containing chemicals listed in 40 CFR 63-T.460(a), or any combination of such halogenated HAP solvents, in a total concentration greater than 5 percent by weight, as a cleaning and/or drying agent.

D-17551 General Process Emission 6NYCRR 212.4(c)  
Sources - emissions from new  
processes and/or  
modifications

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

U-00001/U0001/U01/TK100 Petroleum storage 40CFR 60-Ka.  
S-17260 General Process Emission 6NYCRR 212.4(c)  
Sources - emissions from new  
processes and/or  
modifications

Reason: There are no particulate emissions from any of the sources comprising this emission unit.

B-18201/18201/B01/BL400 Control technology 6NYCRR 227-  
2.4(c)(1)(ii) requirements for mid-size  
boilers firin

Reason: The alternate control strategy indicated in the appropriate condition(s) under 6 NYCRR 227-2.4(c)(1)(iv) for process B01, source BL400, and for process B03, source BL400, applies in lieu of 227-2.4(c)(1)(ii).

g primarily  
B-18201/18201/B01/BL500 Control technology 6NYCRR 227-  
2.4(c)(1)(ii) requirements for mid-size  
boilers firin

Reason: Record keeping is maintained to verify that boiler No. 5 is fired primarily with natural gas and/or distillate oil. Backup fuel is residual oil.

g primarily  
17625/-/G01 residual oil. residual G-  
2.4(f)(2)(ii) Emission limitations for lean 6NYCRR 227-

burn engines firing other  
fuels by themselves o  
Reason: The alternate control strategy indicated in the appropriate condition(s) under 6 NYCRR 227-2.5(c) for process G01 applies in lieu of 227-2.4(f)(2)(ii).

r in  
A-10000/-/A01/BL700 Emission limitations for other 6NYCRR 227-2.4(g)  
combustion sources.

Reason: A RACT analysis for this source is not required since according to calculations using AP-42 for small natural gas fired boilers (<20 MMBtu/hr), NOx potential and actual emissions do not exceed 3 lb/hr or 15 lb/day, respectively.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.5(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement

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does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

**Compliance Certification**

Summary of monitoring activities at GE GLOBAL RESEARCH CENTER:

Location Facility/EU/EP/Process/ES	Type of Monitoring	Cond No.
B-18201/18201	combination with gas.oil.	47
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B-18201/18201	record keeping/maintenance procedures	50
B-18201/18201	work practice involving specific operations	77
E-17624/17624	work practice involving specific operations	78
E-17624/17624	work practice involving specific operations	97
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P-17021/17021	work practice involving specific operations	126
R-17611	work practice involving specific operations	127
R-17611	work practice involving specific operations	139
Z-17601/17601	work practice involving specific operations	140
Z-17601/17601	work practice involving specific operations	89
H-17659/17659/H01/AP300	record keeping/maintenance procedures	90
H-17659/17659/H01/AP300	record keeping/maintenance procedures	102
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R-17611	record keeping/maintenance procedures	161
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**Basis for Monitoring**

Condition 15 --- 6 NYCRR Part 225-1.2(a)(2) - This regulation limits the facility to using distillate fuel oil with a sulfur content of less than 1.5 percent by weight. The facility will monitor the fuel oil on a per delivery basis.

Condition 16 --- 6 NYCRR Part 225-1.2(a)(2) - This regulation limits the facility to using residual fuel oil with a sulfur content of less than 1.5 percent by weight. The facility will monitor the fuel oil on a per delivery basis.

Condition 19 --- 6 NYCRR Part 225-1.8(a) - This regulation requires the owner to maintain records of fuel analyses, quantity of fuel burned, quantity of fuel received, and results of stack tests or monitoring. Monitoring the fuel oil on a per delivery basis using supplier certifications will be used by the facility as the method of complying with the regulation.

Condition 43 --- 6 NYCRR Part 225-1.6(b) - This regulation limits the facility to using fuel oil with a sulfur content of less than 1.5 percent by weight. The facility will monitor the fuel oil on a per delivery basis using supplier certifications and fuel analyses as the method of complying with the regulation.

Condition 44 --- 6 NYCRR Part 227-1.3 - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 227 - Stationary Combustion Installations. The facility shall monitor the opacity on a daily basis using instantaneous observations when firing fuel oil. Monitoring the opacity in the above manner and recording the results in accordance with the condition will be used to demonstrate compliance with the regulation.

Condition 48 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit and is a result of PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively. The monitoring condition limits the fuel usage. Monitoring and recording the monthly fuel usage will demonstrate compliance by indicating the yearly total is less than the limit specified.

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Condition 49 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit and is a result of PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively. The monitoring condition limits the sulfur dioxide emissions. Monitoring and recording the monthly sulfur dioxide emissions will demonstrate compliance by indicating the yearly total is less than the limit specified.

Condition 50 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit and is a result of PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively. The monitoring condition limits the sulfur content of the fuel. Monitoring and recording fuel records will demonstrate compliance by indicating the sulfur content of the fuel is less than the limits specified.

Condition 51 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit and is a result of PSD permitting requirements reflected in the 1984 construction permit to add a boiler in the boiler house, and is applicable to emissions from all five boilers collectively. The monitoring condition limits the nitrogen oxide emissions. Monitoring and recording the monthly nitrogen oxide emissions will demonstrate compliance by indicating the yearly total is less than the limit specified.

Condition 70 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the emission unit referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 72 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the emission unit referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 74 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the particulate emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 78 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates less than 10 microns (PM-10) established to avoid the applicability to the stated regulation. Monitoring and recording the monthly material throughput will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

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Condition 79 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates established to avoid the applicability to the stated regulation. Monitoring and recording the monthly material throughput will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 80 --- 6 NYCRR Part 227-1.3 - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 227 - Stationary Combustion Installations. The facility shall monitor the opacity on a daily basis using instantaneous observations when firing fuel oil. Monitoring the opacity in the above manner and recording the results in accordance with the condition will be used to demonstrate compliance with the regulation.

Condition 82 --- 6 NYCRR Part 227-2.5(c) - This monitoring condition has been included in the permit to address an alternative reasonably available control technology emission limit for nitrogen oxides. Monitoring and recording the hours of operation of the process will demonstrate compliance with the condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 88 --- 40 CFR 60.48c(g), Subpart Dc - The regulation requires the owner/operator to maintain and record the amounts of each fuel combusted during each day. Monitoring the emission source on a daily basis and maintaining records will demonstrate compliance with the regulation.

Condition 90 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the particulate emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 94 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the emission unit referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 96 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates less than 10 microns (PM-10) established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 97 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 98 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions established to avoid the applicability to the stated

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regulation. Monitoring and recording the monthly total coating throughput will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 102 --- 6 NYCRR Part 212.4(c) - This monitoring condition has been included to address the particulate emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission sources as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 109 --- 6 NYCRR Part 228.4 - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 228 - Surface Coating Processes. The daily monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 119 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the particulate emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 123 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the emission unit referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 125 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates less than 10 microns (PM-10) established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 126 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 127 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the particulate emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 129 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible

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emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations contained in the emission unit referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 132 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The semiannual monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission unit as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 134 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 136 --- 6 NYCRR Part 212.6(a) - This monitoring condition has been included to address the visible emissions requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency and any visible emissions that occur are not expected to cause any exceedances. Past experience has shown that the operations referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 138 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates less than 10 microns (PM-10) established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 139 --- 40 CFR 52.21(i)(1), Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of emissions of particulates established to avoid the applicability to the stated regulation. Monitoring and recording the monthly total material throughput from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 150 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 155 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the

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monitoring condition will demonstrate compliance with the regulation.

Condition 160 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 165 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 168 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The semiannual monitoring frequency is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission unit as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 169 --- 6 NYCRR Part 212.4(a) - This monitoring condition has been included to address the emission requirements of 6 NYCRR Part 212 - General Process Emission Sources. The weekly monitoring frequency and the requirement to operate and maintain the emission controls according to good engineering practices and to maintain a log for maintenance activities, malfunctions, etc. is justified by the fact that the rule does not specify any monitoring frequency to determine compliance with the regulation. Operating and maintaining the emission controls as stated in the monitoring condition will demonstrate compliance with the regulation.