



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 4-4224-00001/00103

Renewal Number: 1

02/02/2016

Facility Identification Data

Name: GE GLOBAL RESEARCH CENTER

Address: 1 RESEARCH CIR

NISKAYUNA, NY 12309

Owner/Firm

Name: GENERAL ELECTRIC COMPANY

Address: 3135 EASTON TPKE

FAIRFIELD, CT 06828, USA

Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:

Name: NANCY M BAKER

Address: NYSDEC - REGION 4

1130 N WESTCOTT RD

SCHENECTADY, NY 12306-2014

Phone: 5183572069

Division of Air Resources:

Name: BEN POTTER

Address: NYSDEC - REGION 4

1130 N WESTCOTT RD

SCHENECTADY, NY 12306

Phone: 5183572345

Air Permitting Contact:

Name: JOHN F OLDI

Address: GENERAL ELECTRIC COMPANY

1 RESEARCH CIRCLE

SCHENECTADY, NY 12309

Phone: 5183874968

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 a separate document and is not itself an enforceable term and condition of the permit.

Summary Description of Proposed Project

Application for renewal of Air Title V Facility.

Attainment Status



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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
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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
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* 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 Global Research Center 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. In addition, there is a significant amount of bioscience research both in vitro and in vivo.

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 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



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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 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):

17658

Process: A01 is located at Building 4 - This process is combustion of natural gas in a 12.1 million Btu per hour preheater.

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. Two processes (B01, B02) were defined for this emission unit consisting of burning No. 6 fuel oil, natural gas.

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

18201

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.

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

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.



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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 three (3) metal and ceramic powder spray booths, located within the Metallurgy and Ceramics (MET) Building, and associated air emission control equipment.

The HVOF spray system is used 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. Dust collectors, which are integral to the process, are used to recover valuable materials exhausted from the spray cells. The spraying systems and ESR-CIG system are used for R&D purposes but may be used for occasional, limited-scale manufacturing. Therefore, two processes (E21 and E22) are used to define these activities.

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

17602, 17624, 17626, 17628, 17630

Process: E21 is located at NE corner, Building 2 - This process consists of the four spray cells and the ESR-CIG spray chamber operating in a research and development mode.

Process: E22 is located at NE corner, Building 2 - This process consists of the four spray cells and the ESR-CIG spray chamber operating in a manufacturing mode.

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

Process: H01 is located at Test Cell Roof, Building 4 - This process consists of one air preheater associated with the test cells. It is only capable of burning natural gas.

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):

Process: P01 is located at 1S16, Building 1 - This process consists of utilizing volatile organic compound



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(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 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 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

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 I19000 - This emission unit is a non-chromium electroplating process that includes two (2) electrolytic plating tanks. Polypropylene balls are used to reduce misting, and the tanks are fitted with covers to further reduce emissions during plating operations.

Emission unit I19000 is associated with the following emission points (EP):
17004, 17015

Process: I01 is located at Building 1 - This process consists of non-chromium electroplating in either of two tanks. The tanks are equipped with covers that are used during plating operations to minimize emissions.

Title V/Major Source Status

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

This facility is capped from being major for VOC and HAP's. Facility maintains and submits records to the Department on a regular basis.

Program Applicability

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

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Regulatory Program	Applicability
PSD	NO
NSR (non-attainment)	NO
NESHAP (40 CFR Part 61)	YES
NESHAP (MACT - 40 CFR Part 63)	YES
NSPS	YES
TITLE IV	NO
TITLE V	YES
TITLE VI	NO
RACT	YES
SIP	YES

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - 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 231-5, 231-6) - 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, 6 NYCRR 200.10) - 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, 6 NYCRR 200.10) - 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, 6 NYCRR 200.10) - 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.

Title IV Acid Rain Control Program (40 CFR 72 thru 78, 6 NYCRR 201-6) - regulations which mandate the implementation of the acid rain control program for large stationary combustion facilities.

Title VI Stratospheric Ozone Protection (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons),



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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 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, 6 NYCRR 200.10) - 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

2821	PLASTICS MATERIALS AND RESINS
3511	TURBINES AND TURBINE GENERATOR
3844	X-RAY APPARATUS AND TUBES
3845	ELECTROMEDICAL EQUIPMENT
8731	COMMERCIAL PHYSICAL RESEARCH
3724	AIRCRAFT ENGINES & ENGINE PART

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

1-03-004-01	EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - RESIDUAL OIL Grade 6 Oil
1-03-006-02	EXTERNAL COMBUSTION BOILERS -

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1-03-006-03	COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS 10-100 MMBtu/Hr EXTERNAL COMBUSTION BOILERS - COMMERCIAL/INDUSTRIAL COMMERCIAL/INSTITUTIONAL BOILER - NATURAL GAS
3-01-018-99	Less Than 10 MMBtu/Hr CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - PLASTICS PRODUCTION
3-09-010-97	PLASTICS PRODUCTION - OTHERS NOT SPECIFIED FABRICATED METAL PRODUCTS FABRICATED METAL PRODUCTS - ELECTROPLATING OPERATIONS
3-09-040-20	Other Not Classified FABRICATED METAL PRODUCTS FABRICATED METAL PRODUCTS - METAL DEPOSITION PROCESSES
3-13-065-05	Plasma Arc Spraying of Powdered Metal ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT - SEMICONDUCTOR MANUFACTURING
4-02-001-10	PHOTORESIST OPERATIONS: GENERAL SURFACE COATING OPERATIONS SURFACE COATING APPLICATION - GENERAL
4-02-002-10	Paint: Solvent-Base SURFACE COATING OPERATIONS SURFACE COATING APPLICATION - GENERAL Paint: Water-Base

Facility Emissions Summary

In the following table, the CAS No. or Chemical Abstract Service 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	Range
		lbs/yr	
000092-52-4	1,1 BIPHENYL		> 0 but < 10 tpy
000079-34-5	1,1,2,2-TETRACHLOROETHANE		> 0 but < 10 tpy

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000076-13-1	1,1,2-TRICHLORO-1,2,2-TRIFLUORO ETHANE	> 0 but < 2.5 tpy
000057-14-7	1,1-DIMETHYL HYDRAZINE	> 0 but < 10 tpy
000120-82-1	1,2,4-TRICHLOROBENZENE	> 0 but < 10 tpy
000084-74-2	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER	> 0 but < 10 tpy
000120-80-9	1,2-BENZENEDIOL	> 0 but < 10 tpy
000107-06-2	1,2-DICHLOROETHANE	> 0 but < 10 tpy
000107-21-1	1,2-ETHANEDIOL	> 0 but < 10 tpy
000095-80-7	1,3-BENZENEDIAMINE, 4-METHYL-	> 0 but < 10 tpy
000106-99-0	1,3-BUTADIENE	> 0 but < 10 tpy
000126-99-8	1,3-BUTADIENE, 2-CHLORO-	> 0 but < 10 tpy
000085-44-9	1,3-ISOBENZOFURANDIONE	> 0 but < 10 tpy
000123-31-9	1,4-BENZENEDIOL	> 0 but < 10 tpy
000123-91-1	1,4-DIETHYLENE DIOXIDE	> 0 but < 10 tpy
000098-86-2	1-PHENYLETHANONE	> 0 but < 10 tpy
000542-75-6	1-PROPENE, 1,3-DICHLORO-	> 0 but < 10 tpy
001746-01-6	2,3,7,8-TETRACHLORODIBENZOP-DIOXIN	> 0 but < 10 tpy
000121-14-2	2,4, DINITRO TOLUENE	> 0 but < 10 tpy
000051-28-5	2,4, DINITROPHENOL	> 0 but < 10 tpy
000088-06-2	2,4,6 TRICHLOROPHENOL	> 0 but < 10 tpy
000108-31-6	2,5 - FURANDIONE	> 0 but < 10 tpy
000053-96-3	2-ACETYLAMINOFLUORENE	> 0 but < 10 tpy
000078-59-1	2-CYCLOHEXEN-1-ONE,3,5,5-TRIMETHYL	> 0 but < 10 tpy
000105-60-2	2H-AZEPIN-2-ONE,HEXAHYDRO	>= 2.5 tpy but < 10 tpy
000095-48-7	2-METHYL-PHENOL	> 0 but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL	> 0 but < 10 tpy
000107-98-2	2-PROPANOL, 1-METHOXY	>= 2.5 tpy but < 10 tpy
000079-10-7	2-PROPENOIC ACID	> 0 but < 10 tpy
000140-88-5	2-PROPENOIC ACID, ETHYL ESTER	> 0 but < 10 tpy
000091-94-1	3,3'-DICHLOROBENZIDINE	> 0 but < 10 tpy
000119-90-4	3,3'-DIMETHOXYBENZIDINE	> 0 but < 10 tpy
000107-05-1	3-CHLORO-1-PROPENE	> 0 but < 10 tpy
000101-77-9	4,4'-DIAMINODIPHENYLMETHANE	> 0 but < 10 tpy
000101-14-4	4,4-METHYLENE BIS(2-CHLOROANILINE)	> 0 but < 10 tpy
000092-93-3	4-NITROBIPHENYL	> 0 but < 10 tpy
000075-07-0	ACETALDEHYDE	> 0 but < 10 tpy
000060-35-5	ACETAMIDE	> 0 but < 10 tpy
006923-52-0	ACETIC ACID ANITIMONY SALT	> 0 but < 10 tpy
000108-05-4	ACETIC ACID ETHENYL ESTER	> 0 but < 10 tpy
000079-11-8	ACETIC ACID, CHLORO	> 0 but < 10 tpy
000071-48-7	ACETIC ACID, COBALT SALT	> 0 but < 10 tpy
000301-04-2	ACETIC ACID, LEAD(2+) SALT	> 0 but < 10 tpy
000373-02-4	ACETIC ACID, NICKEL (2+) SALT	> 0 but < 10 tpy
006018-89-9	ACETIC ACID, NICKEL (2+)	> 0 but < 10 tpy

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000075-05-8	SALT, TETRAHYDRATE	
000107-02-8	ACETONITRILE	> 0 but < 10 tpy
000532-27-4	ACROLEIN	> 0 but < 10 tpy
	ALPHA-CHLOROACETOPHENONE	> 0 but < 10 tpy
000062-53-3	ANILINE	> 0 but < 10 tpy
001309-64-4	ANTIMONY TRIOXIDE	> 0 but < 10 tpy
007784-42-1	ARSINE	> 0 but < 10 tpy
001332-21-4	ASBESTOS	> 0 but < 10 tpy
000075-55-8	AZIRIDINE, 2-METHYL	> 0 but < 10 tpy
000090-04-0	BENZENAMINE, 2-METHOXY	> 0 but < 10 tpy
000095-53-4	BENZENAMINE, 2-METHYL	> 0 but < 10 tpy
000121-69-7	BENZENAMINE, N, N-DIMETHYL	> 0 but < 10 tpy
000071-43-2	BENZENE	> 0 but < 10 tpy
000098-82-8	BENZENE, (1-METHYLETHYL)	> 0 but < 10 tpy
026471-62-5	BENZENE, 1,3-DIISOCYANATOMETHYL	>= 2.5 tpy but < 10 tpy
000106-46-7	BENZENE, 1,4-DICHLORO-	> 0 but < 10 tpy
000584-84-9	BENZENE, 2,4-DIISOCYANATO-1-METHYL-	> 0 but < 10 tpy
000098-07-7	BENZENE, TRICHLOROMETHYL	> 0 but < 10 tpy
000092-87-5	BENZIDINE	> 0 but < 10 tpy
000050-32-8	BENZO(A)PYRENE	> 0 but < 10 tpy
000100-44-7	BENZYL CHLORIDE	> 0 but < 10 tpy
007440-41-7	BERYLLIUM	> 0 but < 10 tpy
000057-57-8	BETA-PROPIOLACTONE	> 0 but < 10 tpy
000117-81-7	BIS(2-ETHYLHEXYL) PHTHALATE	> 0 but < 10 tpy
013814-96-5	BORATE(1-), TETRAFLUORO-, LEAD(2+)	> 0 but < 10 tpy
000353-59-3	BROMOCHLORODIFLUOROMETHANE	> 0 but < 2.5 tpy
000075-25-2	BROMOFORM	> 0 but < 10 tpy
007440-43-9	CADMIUM	> 0 but < 10 tpy
000543-90-8	CADMIUM ACETATE	> 0 but < 10 tpy
000051-79-6	CARBAMIC ACID, ETHYLESTER	> 0 but < 10 tpy
000079-44-7	CARBAMIC CHLORIDE, DIMETHYL	> 0 but < 10 tpy
000075-15-0	CARBON DISULFIDE	> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 100 tpy but < 250 tpy
000056-23-5	CARBON TETRACHLORIDE	> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE	> 0 but < 10 tpy
007440-46-2	CESIUM	>= 2.5 tpy but < 10 tpy
007782-50-5	CHLORINE	> 0 but < 10 tpy
000108-90-7	CHLOROBENZENE	>= 10 tpy
000075-45-6	CHLORODIFLUOROMETHANE	> 0 but < 2.5 tpy
000067-66-3	CHLOROFORM	>= 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	>= 10 tpy
007440-47-3	CHROMIUM	>= 10 tpy
001066-30-4	CHROMIUM ACETATE	> 0 but < 10 tpy
012012-35-0	CHROMIUM CARBIDE	>= 10 tpy
021679-31-2	CHROMIUM,TRIS(2,4-PENTANEDIONATO-O,O')-	> 0 but < 10 tpy

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007440-48-4	,(OC-6-11)-		>= 10 tpy
014763-77-0	COBALT		> 0 but < 10 tpy
001319-77-3	COPPER CYANIDE		> 0 but < 10 tpy
000156-62-7	CRESYLIC ACID		> 0 but < 10 tpy
	CYANAMIDE, CALCIUM		> 0 but < 10 tpy
	SALT (1:1)		
000132-64-9	DIBENZOFURAN		> 0 but < 10 tpy
000075-71-8	DICHLORODIFLUOROMET		> 0 but < 2.5 tpy
	HANE		
000075-09-2	DICHLOROMETHANE		>= 10 tpy
000627-53-2	DIETHYL SELENIDE		> 0 but < 10 tpy
000131-11-3	DIMETHYL PHTHALATE		> 0 but < 10 tpy
034590-94-8	DIPROPYLENE GLYCOL		>= 2.5 tpy but < 10 tpy
	METHYL ETHER		
000811-97-2	ETHANE, 1,1,1,2-		> 0 but < 2.5 tpy
	TETRAFLUORO		
000071-55-6	ETHANE, 1,1,1-TRICHLORO		> 0 but < 10 tpy
000079-00-5	ETHANE, 1,1,2-TRICHLORO		> 0 but < 10 tpy
000075-34-3	ETHANE, 1,1-DICHLORO-		> 0 but < 10 tpy
000075-37-6	ETHANE, 1,1-DIFLUORO-		> 0 but < 2.5 tpy
000111-44-4	ETHANE, 1,1'-OXYBIS 2-		> 0 but < 10 tpy
	CHLORO		
000106-93-4	ETHANE, 1,2-DIBROMO		> 0 but < 10 tpy
000306-83-2	ETHANE, 2,2-DICHLORO-		> 0 but < 2.5 tpy
	1,1-TRIFLUORO-		
000075-00-3	ETHANE, CHLORO		> 0 but < 10 tpy
000067-72-1	ETHANE, HEXACHLORO		> 0 but < 10 tpy
000111-42-2	ETHANOL, 2,2'-IMINOBIS-		> 0 but < 10 tpy
000111-76-2	ETHANOL, 2-BUTOXY-		> 0 but < 10 tpy
000075-35-4	ETHENE, 1,1-DICHLORO		> 0 but < 10 tpy
000510-15-6	ETHYL 4,4'-		> 0 but < 10 tpy
	DICHLOROBENZILATE		
000106-88-7	ETHYL OXIRANE		> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE		> 0 but < 10 tpy
000079-06-1	ETHYLENE CARBOXAMIDE		> 0 but < 10 tpy
000075-21-8	ETHYLENE OXIDE		> 0 but < 10 tpy
000096-45-7	ETHYLENE THIOUREA		> 0 but < 10 tpy
000151-56-4	ETHYLENEIMINE		> 0 but < 10 tpy
000050-00-0	FORMALDEHYDE		> 0 but < 10 tpy
000068-12-2	FORMAMIDE, N,N-		> 0 but < 10 tpy
	DIMETHYL		
008006-61-9	GASOLINE	375	
000110-54-3	HEXANE		> 0 but < 10 tpy
000822-06-0	HEXANE, 1,6-		> 0 but < 10 tpy
	DIISOCYANATO-		
000302-01-2	HYDRAZINE		> 0 but < 10 tpy
000074-90-8	HYDROCYANIC ACID		> 0 but < 10 tpy
007647-01-0	HYDROGEN CHLORIDE		> 0 but < 10 tpy
007664-39-3	HYDROGEN FLUORIDE		> 0 but < 10 tpy
000122-66-7	HYRAZINE, 1,2 - DIPHENYL		> 0 but < 10 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
007439-96-5	MANGANESE		> 0 but < 10 tpy
000638-38-0	MANGANESE ACETATE		> 0 but < 10 tpy
007487-94-7	MERCURY CHLORIDE		> 0 but < 10 tpy
022967-92-6	MERCURY(1+), METHYL-		> 0 but < 10 tpy
000062-75-9	METHANAMINE, N-		> 0 but < 10 tpy
	METHYL-N-NITROSO		
000075-63-8	METHANE,		> 0 but < 2.5 tpy
	BROMOTRIFLUORO-		
	CBRF3		
000542-88-1	METHANE, OXYBIS		> 0 but < 10 tpy
	(CHLORO)		
000075-69-4	METHANE,		> 0 but < 2.5 tpy
	TRICHLOROFLUORO-		

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000072-43-5	METHOXYCHLOR	> 0 but < 10 tpy
000080-62-6	METHYL ACRYLIC	> 0 but < 10 tpy
	ACIDMETHYL ESTER	
000067-56-1	METHYL ALCOHOL	>= 10 tpy
000074-83-9	METHYL BROMIDE	> 0 but < 10 tpy
000074-87-3	METHYL CHLORIDE	> 0 but < 10 tpy
000107-30-2	METHYL	> 0 but < 10 tpy
	CHLOROMETHYLEETHER	
000078-93-3	METHYL ETHYL KETONE	> 0 but < 10 tpy
000060-34-4	METHYL HYDRAZINE	> 0 but < 10 tpy
000074-88-4	METHYL IODIDE	> 0 but < 10 tpy
000624-83-9	METHYL ISOCYANATE	> 0 but < 10 tpy
001634-04-4	METHYL TERTBUTYL	> 0 but < 10 tpy
	ETHER	
000101-68-8	METHYLENE BISPHENYL	> 0 but < 10 tpy
	ISOCYANATE	
000121-44-8	N,N-DIETHYL	> 0 but < 10 tpy
	ETHANAMINE	
000091-20-3	NAPHTHALENE	> 0 but < 10 tpy
013463-39-3	NICKEL CARBONYL	> 0 but < 10 tpy
007718-54-9	NICKEL CHLORIDE	> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND	>= 10 tpy
	INSOLUBLE COMPOUNDS	
001313-99-1	NICKEL OXIDE	> 0 but < 10 tpy
000098-95-3	NITROBENZENE	> 0 but < 10 tpy
000059-89-2	NITROSOMORPHOLINE	> 0 but < 10 tpy
000684-93-5	NITROSO-N-METHYLUREA	> 0 but < 10 tpy
000119-93-7	O-TOLIDINE	> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 250 tpy but < 75,000 tpy
000106-89-8	OXIRANE,	> 0 but < 10 tpy
	(CHLOROMETHYL)	
000092-67-1	P-AMINODIPHENYL	> 0 but < 10 tpy
000100-02-7	PARA-NITROPHENOL	> 0 but < 10 tpy
0NY075-00-0	PARTICULATES	>= 50 tpy but < 100 tpy
000082-68-8	PENTACHLORONITROBEN	> 0 but < 10 tpy
	ZENE	
000540-84-1	PENTANE, 2,2,4-	> 0 but < 10 tpy
	TRIMETHYL-	
000127-18-4	PERCHLOROETHYLENE	> 0 but < 10 tpy
000108-95-2	PHENOL	> 0 but < 10 tpy
000534-52-1	PHENOL, 2-METHYL-4,6-	> 0 but < 10 tpy
	DINITRO	
000108-39-4	PHENOL, 3-METHYL	> 0 but < 10 tpy
000106-44-5	PHENOL, 4-METHYL	> 0 but < 10 tpy
000087-86-5	PHENOL, PENTACHLORO	> 0 but < 10 tpy
000075-44-5	PHOSGENE	> 0 but < 10 tpy
007803-51-2	PHOSPHINE	> 0 but < 10 tpy
000680-31-9	PHOSPHORIC TRIAMIDE,	> 0 but < 10 tpy
	HEXAMETHYL	
000056-38-2	PHOSPHOROTHIOIC ACID,	> 0 but < 10 tpy
	O,O-DIETHYL O-(4-	
	NITROPHENYL) ESTER	
007723-14-0	PHOSPHORUS (YELLOW)	> 0 but < 10 tpy
0NY075-00-5	PM-10	>= 25 tpy but < 40 tpy
001336-36-3	POLYCHLORINATED	> 0 but < 10 tpy
	BIPHENYL	
000106-50-3	P-PHENYLENEDIAMINE	> 0 but < 10 tpy
001120-71-4	PROPANE SULTONE	> 0 but < 10 tpy
000096-12-8	PROPANE, 1,2-DIBROMO-3-	> 0 but < 10 tpy
	CHLORO	
000078-87-5	PROPANE, 1,2-DICHLORO	> 0 but < 10 tpy
000075-56-9	PROPANE, 1,2-EPOXY-	> 0 but < 10 tpy
000079-46-9	PROPANE, 2-NITRO	> 0 but < 10 tpy
025498-49-1	PROPANOL,[2-(2-	>= 2.5 tpy but < 10 tpy

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	METHOXYMETHYLETHOXY)	
	METHYLETHOXY]-	
000107-13-1	PROPENENITRILE	> 0 but < 10 tpy
000123-38-6	PROPIONALDEHYDE	> 0 but < 10 tpy
000091-22-5	QUINOLINE	> 0 but < 10 tpy
000106-51-4	QUINONE	> 0 but < 10 tpy
000143-33-9	SODIUM CYANIDE	> 0 but < 10 tpy
000100-42-5	STYRENE	> 0 but < 10 tpy
000096-09-3	STYRENE OXIDE	> 0 but < 10 tpy
013770-89-3	SULFAMIC ACID,	> 0 but < 10 tpy
	NICKEL(2+) SALT (2:1)	
007446-09-5	SULFUR DIOXIDE	>= 250 tpy but < 75,000 tpy
000064-67-5	SULFURIC ACID, DIETHYL	> 0 but < 10 tpy
	ESTER	
000077-78-1	SULFURIC ACID,	> 0 but < 10 tpy
	DIMETHYL ESTER	
007786-81-4	SULFURIC ACID,	> 0 but < 10 tpy
	NICKEL(2+) SALT (1:1)	
007550-45-0	TITANIUM	> 0 but < 10 tpy
	TETRACHLORIDE	
000108-88-3	TOLUENE	>= 10 tpy
0NY100-00-0	TOTAL HAP	>= 10 tpy but < 25 tpy
000079-01-6	TRICHLOROETHYLENE	> 0 but < 10 tpy
000095-95-4	TRICHLOROPHENOL, 2,4,5	> 0 but < 10 tpy
000075-46-7	TRIFLUOROMETHANE	> 0 but < 2.5 tpy
000593-60-2	VINYL BROMIDE	> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE	> 0 but < 10 tpy
0NY998-00-0	VOC	>= 10 tpy but < 25 tpy
001330-20-7	XYLENE, M, O & P MIXT.	> 0 but < 10 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: Emergency Defense - 6 NYCRR 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.

(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 B: Public Access to Recordkeeping for Title V Facilities - 6 NYCRR 201-1.10(b)

The Department will make available to the public any permit application, compliance



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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 6 NYCRR Part 616 - Public Access to records and Section 114(c) of the Act.

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

Item F: 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 G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 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 H: Property Rights - 6 NYCRR 201-6.5(a)(6)

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

Item I: 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 J: 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



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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 K: Reopening for Cause - 6 NYCRR Part 201-6.5(i)

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



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period in the case of an emergency.

Item L: 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 M: 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 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

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description

FACILITY	ECL 19-0301	117	Powers and Duties of the Department with

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H-17659/17659/H01/AP300	40CFR 60-A	77	respect to air pollution control General provisions
P-17021/17021	40CFR 60-A	109	General provisions
H-17659/17659/H01/AP300	40CFR 60-A.4	78	General provisions - Address
P-17021/17021	40CFR 60-A.4	110	General provisions - Address
H-17659	40CFR 60-Dc.48c (g) (2)	76	Alternative recordkeeping
H-17659/17659/H01/AP300	40CFR 60-Dc.48c (i)	79	Reporting and Recordkeeping Requirements.
P-17021/17021	40CFR 60-EE.310 (c)	111	Metal furniture mfg using over 1000 gallons of coating/year constructed after 11/28/80
FACILITY	40CFR 61-M	45	Asbestos standards for: asbestos mills, manufacturing operations using asbestos, and other sources
E-17624	40CFR 63- WWWWWW.11507 (f	62	Existing Permanent Thermal Spraying Operation Requirements
M-17608	40CFR 63- WWWWWW.11507 (f	96	Existing Permanent Thermal Spraying Operation Requirements
E-17624	40CFR 63- WWWWWW.11507 (f	63	New Permanent Thermal Spraying Operation Requirements
I-19000/-/I01	40CFR 63- WWWWWW.11507 (g	80	Plating and Polishing Requirements
E-17624	40CFR 63- WWWWWW.11508 (c	65	New Permanent Thermal Spraying Initial Compliance
I-19000/-/I01	40CFR 63- WWWWWW.11508 (c	81	Tank Covering Initial Compliance - Batch Process
E-17624	40CFR 63- WWWWWW.11508 (c	64	Existing Permanent Thermal Spraying Initial Compliance
M-17608	40CFR 63- WWWWWW.11508 (c	97	Existing Permanent Thermal Spraying Initial Compliance
E-17624	40CFR 63- WWWWWW.11508 (d	66	Operation and Maintenance of Air Pollution Equipment
I-19000/-/I01	40CFR 63- WWWWWW.11508 (d	82	Operation and Maintenance of Air Pollution Equipment
M-17608	40CFR 63- WWWWWW.11508 (d	98	Operation and Maintenance of Air Pollution Equipment
E-17624	40CFR 63- WWWWWW.11508 (d	67	Annual Compliance Certification
I-19000/-/I01	40CFR 63- WWWWWW.11508 (d	83	Annual Compliance Certification



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M-17608	40CFR 63- WWWWWW.11508 (d)	99	Annual Compliance Certification
E-17624	40CFR 63- WWWWWW.11508 (d)	68	Control System
M-17608	40CFR 63- WWWWWW.11508 (d)	100	Continuous Compliance Control System
I-19000/-/I01	40CFR 63- WWWWWW.11508 (d)	84	Continuous Compliance Batch and Flash or Short-Term Tank Continuous Compliance - Tank Covering
I-19000/-/I01	40CFR 63- WWWWWW.11508 (d)	85	Management Practice Continuous Compliance
E-17624	40CFR 63- WWWWWW.11509 (a)	69	Initial Notification
I-19000/-/I01	40CFR 63- WWWWWW.11509 (a)	86	Initial Notification
M-17608	40CFR 63- WWWWWW.11509 (a)	101	Initial Notification
E-17624	40CFR 63- WWWWWW.11509 (b)	70	Notification of Compliance Status
I-19000/-/I01	40CFR 63- WWWWWW.11509 (b)	87	Notification of Compliance Status
M-17608	40CFR 63- WWWWWW.11509 (b)	102	Notification of Compliance Status
E-17624	40CFR 63- WWWWWW.11509 (c)	71	Control System Annual Compliance Report
M-17608	40CFR 63- WWWWWW.11509 (c)	103	Control System Annual Compliance Report
I-19000/-/I01	40CFR 63- WWWWWW.11509 (c)	88	Batch and Flash or Short-Term Annual Compliance Report - Tank Covering
I-19000/-/I01	40CFR 63- WWWWWW.11509 (c)	89	Management Practices Annual Compliance Report
E-17624	40CFR 63- WWWWWW.11509 (c)	72	Annual Compliance Report
I-19000/-/I01	40CFR 63- WWWWWW.11509 (c)	90	Annual Compliance Report
M-17608	40CFR 63- WWWWWW.11509 (c)	104	Annual Compliance Report
E-17624	40CFR 63- WWWWWW.11509 (d)	73	Deviations
I-19000/-/I01	40CFR 63- WWWWWW.11509 (d)	91	Deviations
M-17608	40CFR 63- WWWWWW.11509 (d)	105	Deviations
E-17624	40CFR 63- WWWWWW.11509 (e)	74	Recordkeeping Requirements
I-19000/-/I01	40CFR 63- WWWWWW.11509 (e)	92	Recordkeeping Requirements
M-17608	40CFR 63- WWWWWW.11509 (e)	106	Recordkeeping Requirements
E-17624	40CFR 63- WWWWWW.11509 (f)	75	Availability of Records
I-19000/-/I01	40CFR 63- WWWWWW.11509 (f)	93	Availability of Records
M-17608	40CFR 63- WWWWWW.11509 (f)	107	Availability of Records
FACILITY	40CFR 63-ZZZZ.6590 (c)	46	Reciprocating Internal Combustion Engine (RICE) NESHP - Stationary RICE subject to

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FACILITY	40CFR 68	20	Regulations under 40 CFR Part 60
FACILITY	40CFR 82-F	21	Chemical accident prevention provisions
FACILITY	6NYCRR 200.6	1	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.7	10	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.4	118	Maintenance of equipment.
FACILITY	6NYCRR 201-1.7	11	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.8	12	Recycling and Salvage
FACILITY	6NYCRR 201-3.2 (a)	13	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.3 (a)	14	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-6	22, 47, 48	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6.5 (a) (4)	15	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (a) (7)	2	General conditions
FACILITY	6NYCRR 201-6.5 (a) (8)	16	General conditions
FACILITY	6NYCRR 201-6.5 (c)	3	Fees
FACILITY	6NYCRR 201-6.5 (c) (2)	4	General conditions
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	5	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (d) (5)	17	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (e)	6	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (f)	23	Compliance schedules
FACILITY	6NYCRR 201-6.5 (f) (6)	18	Compliance
FACILITY	6NYCRR 201-6.5 (g)	24	Certification
FACILITY	6NYCRR 201-7	49	Operational flexibility
FACILITY	6NYCRR 202-1.1	19	Off Permit Changes
FACILITY	6NYCRR 202-1.2	27	Permit shield
FACILITY	6NYCRR 202-1.3 (a)	28	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.5	29	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Notification.
FACILITY	6NYCRR 202-2.3	30	Acceptable procedures - reference methods
			Prohibitions.
			Emission Statements - Applicability
			Emission Statement - Required contents of an emission

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FACILITY	6NYCRR 202-2.5	8	statement.
FACILITY	6NYCRR 207	31	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 211.1	32	Control Measures for an Air Pollution Episode
FACILITY	6NYCRR 211.2	119	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 212.10 (a)	120	General Prohibitions - visible emissions limited.
D-17551	6NYCRR 212.10 (c) (1)	125	NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.10 (e)	121	NOx and VOC RACT required at major facilities
D-17551	6NYCRR 212.4 (a)	123	General Process Emission Sources - emissions from new sources and/or modifications
E-17624	6NYCRR 212.4 (a)	58	General Process Emission Sources - emissions from new sources and/or modifications
M-17608	6NYCRR 212.4 (a)	126	General Process Emission Sources - emissions from new sources and/or modifications
S-17260	6NYCRR 212.4 (a)	115	General Process Emission Sources - emissions from new sources and/or modifications
D-17551	6NYCRR 212.4 (b)	124	New processes
E-17624	6NYCRR 212.4 (b)	59	New processes
M-17608	6NYCRR 212.4 (b)	127	New processes
S-17260	6NYCRR 212.4 (b)	116	New processes
E-17624	6NYCRR 212.4 (c)	60	General Process Emission Sources - emissions from new processes and/or modifications
M-17608	6NYCRR 212.4 (c)	95, 128, 129	General Process Emission Sources - emissions from new processes and/or modifications
P-17021/17021/P01	6NYCRR 212.4 (c)	112, 113	General Process Emission Sources - emissions from new processes and/or modifications
FACILITY	6NYCRR 212.6 (a)	33	General Process Emission Sources - opacity of emissions



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P-17021/17021/P01	6NYCRR 212.6 (a)	114	limited General Process Emission Sources - opacity of emissions limited
E-17624	6NYCRR 212.9 (b)	61	General Process Emission Sources - tables
M-17608	6NYCRR 212.9 (b)	130	General Process Emission Sources - tables
S-17260	6NYCRR 212.9 (b)	131	General Process Emission Sources - tables
FACILITY	6NYCRR 215.2	9	Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (a) (2)	34, 35	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 225-1.6 (b)	36	Compliance.
B-18201/18201	6NYCRR 225-1.6 (b)	54	Compliance.
FACILITY	6NYCRR 225-1.8	37	Reports, sampling and analysis.
FACILITY	6NYCRR 225-2.6 (c)	38	Sale or use of waste fuels A and B.
FACILITY	6NYCRR 226	39	SOLVENT METAL CLEANING PROCESSES
B-18201/18201	6NYCRR 227.2 (b) (1)	56	Particulate emissions.
B-18201/18201	6NYCRR 227-1.2 (a) (2)	122	Particulate Emissions Firing Liquid Fuels Excluding Distillate Oil. (see narrative)
B-18201/18201	6NYCRR 227-1.3	55	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.3 (a)	40	Smoke Emission Limitations.
FACILITY	6NYCRR 227-1.6 (b)	41	Corrective Action: Facility Shutdown.
FACILITY	6NYCRR 227-1.6 (c)	42	Corrective Action: Facility Shutdown Prohibitions.
FACILITY	6NYCRR 227-1.6 (d)	43	Corrective Action: Facility Shutdown Prohibitions.
FACILITY	6NYCRR 230.5 (a)	44	Gasoline Dispensing Sites - Recordkeeping and Reporting.

Applicability Discussion:

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

ECL 19-0301

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.

6 NYCRR 200.6

Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7



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Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 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.

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, 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.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to 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.

6 NYCRR Subpart 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.

6 NYCRR 201-6.5 (a) (4)

This mandatory requirement applies to all Title V facilities. It requires the permittee to provide information that the Department may request in writing, within a reasonable time, in order to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. The request may include copies of records required to be kept by the permit.

6 NYCRR 201-6.5 (a) (7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V



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requirements to pay all applicable fees associated with the emissions from their facility.

6 NYCRR 201-6.5 (a) (8)

This is a mandatory condition for all facilities subject to Title V requirements. It allows the Department to inspect the facility to determine compliance with this permit, including copying records, sampling and monitoring, as necessary.

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

6 NYCRR 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.

6 NYCRR 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.

6 NYCRR 201-6.5 (d) (5)

This condition applies to every Title V facility subject to a compliance schedule. It requires that reports, detailing the status of progress on achieving compliance with emission standards, be submitted semiannually.

6 NYCRR 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.

6 NYCRR 201-6.5 (f) (6)

This condition allows changes to be made at the facility, without modifying the permit, provided the changes do not cause an emission limit contained in this permit to be exceeded. The owner or operator of the facility must notify the Department of the change. It is applicable to all Title V permits which may be subject to an off permit change.

6 NYCRR 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.

6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to



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be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 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.

6 NYCRR 211.2

This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

6 NYCRR 215.2

Except as allowed by section 215.3 of 6 NYCRR Part 215, no person shall burn, cause, suffer, allow or permit the burning of any materials in an open fire.

40 CFR Part 68

This Part lists the regulated substances and there 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 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:

40 CFR 60.310 (c)

40 CFR 60.4

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 Quality Assurance (BQA).

40 CFR 60.48c (g) (2)

This regulation allows the owner or operator of an affected facility that combusts only



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natural gas, wood, fuels using fuel certification in 40 CFR 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

40 CFR 60.48c (i)

This regulation requires the source owner or operator to retain all records for a minimum of two years for compliance with the NSPS. This does not supercede any requirement that is more stringent, including the Title V requirement to maintain records for for a minimum of 5 years.

40 CFR 63.11507 (f) (1)

Requirements for existing permanent thermal spraying operations using a water curtain, fabric filter, or high efficiency particulate air filter to control emissions

40 CFR 63.11507 (f) (2)

Requirements for new permanent thermal spraying operations using a fabric filter or high efficiency particulate air filter to control emissions

40 CFR 63.11507 (g)

Requirements for plating and polishing process units

40 CFR 63.11508 (c) (10)

Initial compliance requirements for new permanent thermal spraying operations

40 CFR 63.11508 (c) (3)

Initial compliance requirements for batch processes using tank covers

40 CFR 63.11508 (c) (9)

Initial compliance requirements for existing permanent thermal spraying operations

40 CFR 63.11508 (d) (1)

Operation and Maintenance of Air Pollution Equipment



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40 CFR 63.11508 (d) (2)

Annual Compliance Certification

40 CFR 63.11508 (d) (4)

Continuous compliance requirements for tanks using a control system to limit emissions

40 CFR 63.11508 (d) (6)

Continuous compliance requirements for batch process tanks and flash or short-term tanks complying with WWWW by covering tanks

40 CFR 63.11508 (d) (8)

Continuous compliance requirements for operations subject to management practices

40 CFR 63.11509 (a)

Requirements for submitting an initial notification

40 CFR 63.11509 (b)

Requirements for submitting a notification of compliance status

40 CFR 63.11509 (c) (2)

Requirements for submitting annual compliance report for operations using a control system

40 CFR 63.11509 (c) (4)

Requirements for submitting annual compliance report for batch and flash or short-term operations complying with WWWW by covering tanks

40 CFR 63.11509 (c) (6)

Requirements for submitting annual compliance report for operations subject to management practices



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40 CFR 63.11509 (c) (7)

Requirements for when to submit annual compliance reports

40 CFR 63.11509 (d)

Reporting requirements for deviations

40 CFR 63.11509 (e)

Recordkeeping Requirements

40 CFR 63.11509 (f)

Requirements for where records can be stored

40 CFR 63.6590 (c)

This regulation states that an affected source that is a new or reconstructed stationary RICE located at an area source must meet the requirements of 40 CFR 63 Subpart ZZZZ by meeting the requirements of 40 CFR Part 60 Subpart JJJJ, for spark ignition engines.

40 CFR Part 60, Subpart 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

40 CFR Part 61, Subpart M

6 NYCRR 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.

6 NYCRR 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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6 NYCRR 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.

6 NYCRR 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.

6 NYCRR 202-2.3

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

6 NYCRR 211.1

General nuisance condition

6 NYCRR 212.10 (a)

Reasonably available control technology compliance plans for major facilities. The compliance plan must identify reasonably available control technology (RACT) for each emission point which emits nitrogen oxides for major nitrogen oxide facilities or volatile organic compounds for major volatile organic compound facilities. The compliance plan must identify the emission points which do not employ reasonably available control technology (RACT), and a schedule for implementation of RACT must be included in the plan.

6 NYCRR 212.10 (c) (1)

Reasonably available control technology compliance plans for major facilities. The compliance plan must identify reasonably available control technology (RACT) for each emission point which emits nitrogen oxides for major nitrogen oxide facilities or volatile organic compounds for major volatile organic compound facilities. The compliance plan must identify the emission points which do not employ reasonably available control technology (RACT), and a schedule for implementation of RACT must be included in the plan.

6 NYCRR 212.10 (e)

Reasonably available control technology compliance plans for major facilities. The compliance plan must identify reasonably available control technology (RACT) for each emission point which emits nitrogen oxides for major nitrogen oxide facilities or volatile organic compounds for major volatile organic compound facilities. The compliance plan must identify the emission points which do not



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employ reasonably available control technology (RACT), and a schedule for implementation of RACT must be included in the plan.

6 NYCRR 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.

6 NYCRR 212.4 (b)

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

6 NYCRR 212.4 (c)

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.

6 NYCRR 212.6 (a)

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

6 NYCRR 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.

6 NYCRR 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.

6 NYCRR 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 .

6 NYCRR 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.



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6 NYCRR 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.

6 NYCRR 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 0.10 lbs/mmBtu based on a 2 hour average emission for any oil fired stationary combustion installation.

6 NYCRR 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.

6 NYCRR 227-1.3

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

6 NYCRR 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.

6 NYCRR 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.

6 NYCRR 227-1.6 (c)

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

6 NYCRR 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.

6 NYCRR 230.5 (a)

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

6 NYCRR Part 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



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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.

6 NYCRR Part 226

This regulation specifies the general requirements, equipment specifications and operating requirements for open-top vapor, conveyORIZED and cold cleaning degreasers.

6 NYCRR Subpart 201-7

This regulation sets forth an emission cap that cannot be exceeded by the facility. In this permit that cap is

Non Applicability Analysis

List of non-applicable rules and regulations:

Location Facility/EU/EP/Process/ES	Regulation	Short Description
B-18201/18201	40 CFR Part 60, Subpart Dc	Steam generators 10-100 million Btu per hour
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	40 CFR Part 60, Subpart GG	Stationary gas turbines over 10 million Btu per hour
Reason: Per attachment to the Title V permit application: "No stationary gas turbine subject to that rule is located at the facility."		
D-17551	6 NYCRR 212.4 (c)	General Process Emission Sources - emissions from new processes and/or modifications
Reason: There are no particulate emissions from any of the sources comprising this emission unit.		
S-17260	6 NYCRR 212.4 (c)	General Process Emission Sources - emissions from new processes and/or modifications



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

B-18201/18201/B01/BL400 6 NYCRR 227-2.4 (c) (1) Control technology
(ii) requirements for mid-size boilers firing primarily residual oil.

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, source BL400, applies in lieu of 227-2.4(c)(1)(ii).

B-18201/18201/B01/BL500 6 NYCRR 227-2.4 (c) (1) Control technology
(ii) requirements for mid-size boilers firing primarily residual oil.

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.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(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 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	Cond No.	Type of Monitoring
---------------------------------------	----------	--------------------

H-17659/17659/H01/AP300	79	record keeping/maintenance procedures
P-17021/17021	111	record keeping/maintenance procedures
E-17624	62	record keeping/maintenance procedures
M-17608	96	record keeping/maintenance procedures
E-17624	63	record keeping/maintenance procedures
I-19000/-/I01	80	record keeping/maintenance procedures
I-19000/-/I01	82	record keeping/maintenance procedures
E-17624	67	record keeping/maintenance procedures
I-19000/-/I01	83	record keeping/maintenance procedures
M-17608	99	record keeping/maintenance procedures
E-17624	68	record keeping/maintenance procedures
M-17608	100	record keeping/maintenance procedures
I-19000/-/I01	84	record keeping/maintenance procedures
I-19000/-/I01	85	record keeping/maintenance procedures
E-17624	73	record keeping/maintenance procedures
I-19000/-/I01	91	record keeping/maintenance procedures



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M-17608	105	record keeping/maintenance procedures
E-17624	74	record keeping/maintenance procedures
I-19000/-/I01	92	record keeping/maintenance procedures
M-17608	106	record keeping/maintenance procedures
E-17624	75	record keeping/maintenance procedures
I-19000/-/I01	93	record keeping/maintenance procedures
M-17608	107	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	23	record keeping/maintenance procedures
FACILITY	25	monitoring of process or control device parameters as surrogate
FACILITY	26	monitoring of process or control device parameters as surrogate
B-18201	50	work practice involving specific operations
B-18201	51	work practice involving specific operations
B-18201	52	work practice involving specific operations
B-18201	53	record keeping/maintenance procedures
E-17624	57	work practice involving specific operations
M-17608	94	work practice involving specific operations
P-17021	108	work practice involving specific operations
FACILITY	7	record keeping/maintenance procedures
D-17551	123	record keeping/maintenance procedures
E-17624	58	record keeping/maintenance procedures
M-17608	126	record keeping/maintenance procedures
S-17260	115	record keeping/maintenance procedures
D-17551	124	record keeping/maintenance procedures
E-17624	59	record keeping/maintenance procedures
M-17608	127	record keeping/maintenance procedures
S-17260	116	record keeping/maintenance procedures
E-17624	60	intermittent emission testing
M-17608	95	intermittent emission testing
M-17608	128	intermittent emission testing
M-17608	129	intermittent emission testing
P-17021/17021/P01	112	record keeping/maintenance procedures
P-17021/17021/P01	113	intermittent emission testing
FACILITY	33	record keeping/maintenance procedures
P-17021/17021/P01	114	record keeping/maintenance procedures
E-17624	61	intermittent emission testing
M-17608	130	intermittent emission testing
S-17260	131	intermittent emission testing
FACILITY	34	work practice involving specific operations
FACILITY	35	work practice involving specific operations
B-18201/18201	54	record keeping/maintenance procedures
FACILITY	37	record keeping/maintenance procedures
FACILITY	39	record keeping/maintenance procedures
B-18201/18201	56	intermittent emission testing
B-18201/18201	122	intermittent emission testing
B-18201/18201	55	record keeping/maintenance procedures
FACILITY	40	monitoring of process or control device parameters as surrogate
FACILITY	44	record keeping/maintenance procedures

Basis for Monitoring

201-6.5(c)(ii) - Submit required record every 6 months

201-7 - Capping conditions

227-1.3 - Opacity should remain less than 20%



New York State Department of Environmental Conservation
Permit Review Report

Permit ID: 4-4224-00001/00103

Renewal Number: 1

02/02/2016