

**New York State Department of Environmental Conservation**

**Permit Review Report**

**Permit ID: 4-4215-00054/00173    Modification Number: 1**



**10/10/2006**

**Facility Identification Data**

Name: GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL  
Address: 1 RIVER RD  
SCHENECTADY, NY 12345

**Owner/Firm**

Name: GENERAL ELECTRIC CO  
Address: 3135 EASTON TPKE  
FAIRFIELD, CT 06431, USA  
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 a separate document and is not itself an enforceable term and condition of the permit.

**Summary Description of Proposed Project**

The purpose of this significant permit modification is to enact a federally enforceable facility emissions cap. The facility intends to limit the facility emissions of hazardous air pollutants (HAPs) to below the

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major source thresholds of 10 tons per year for any individual HAP and 25 tons per year for total HAPs. This project has resulted in the addition of conditions to the issued Title V permit in order to cap the facility's HAP emissions below the major source thresholds, both for individual HAPs and total HAPs. Other changes to the issued Title V permit resulted from modifications made, since the permit was previously issued, to the Department's AFS permitting software system.

### Attainment Status

GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL is located in the town of SCHENECTADY 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

Operations at the river road facility include manufacture of steam turbines and generators. Other operations include research and development to support steam turbine and generator manufacturing.

### Permit Structure and Description of Operations

The Title V permit for GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL 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.

GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL is defined by the following emission unit(s):

Emission unit 1GNRTR - This emission unit is comprised of those processes associated with generator production. This emission unit is comprised of surface coating operations, ventilation of turbine test bunkers, slot armor production, curing ovens, and autoclave curing processes.

There are currently six emission sources associated with the Nott Street Move Project that use steam (not including the C7, C8, and C28 presses which are exempt and are accounted for in steam allocation). The steam demand associated with these emission sources is expected to increase as a result of this project. The affected emission sources are: the K32/L32 autoclaves (4065A, 4067A, 4068A), the J-26 autoclave (3014A), and the 2 slot armor autoclaves (4221A).

This emission unit is being capped for VOC, NOx, and SO2 emissions to avoid triggering new source review requirements.

Emission unit 1GNRTR is associated with the following emission points (EP):

03014, 03015, 03018, 03021, 03022, 03026, 03036, 03037, 03038, 03039, 03040, 03041, 03042, 03043, 03044, 03045, 03056, 03057, 03090, 04064, 04065, 04066, 04067, 04068, 04069, 04070, 04071, 04072, 04221, 04862, 05520, 05522, 05523, 05524, 05525, 05526

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

Process: AIR is located at Building 273 - AIR AND H2 COOLED ASSEMBLY MODELS ARE CURED. PART 228 IS NOT APPLICABLE TO THIS PROCESS PURSUANT TO PARAGRAPH 228.1(h)(6).

Process: B17 is located at Bay B17, Building 273 - Curing of VOC containing tapes on connection ring bars in electrically heated ovens. These ovens are physically limited such that the ERP is less than 3 lbs/hr and proposed tape usage indicates actual emissions, averaged annually, are less than 15 lbs/day.

Process: CC1 is located at Building 273 - USE OF COMPLIANT COATINGS ON GENERATOR ASSEMBLIES ETC. (MISCELLANEOUS METAL PARTS).

Process: CLN is located at Building 273 - RESIN FLOODING EQUIPMENT AND HAND COAT

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STATOR BARS CAUSING FUGITIVE EMISSIONS. RESIN FLOODING EQUIPMENT IS CLEANED WITH SOLVENTS AND STATOR BARS ARE HAND COATED, RESULTING IN FUGITIVE AIR EMISSIONS. PART 228 IS NOT APPLICABLE TO THIS PROCESS PURSUANT TO PARAGRAPH 228.1(h)(6).

Process: CY1 is located at K32, L32, Building 273 - VACUUM CYCLE IN AUTOCLAVES IN WHICH VOC CONTAINING TAPE ON STATOR BARS IS CURED. THE NUMBER OF STATOR BARS INTRODUCED PER BATCH IN AN AUTOCLAVE IS RESTRICTED THROUGH ADMINISTRATIVE PROCEDURES SO THAT THE VOC EMISSIONS FROM THE RESIN IMPREGNATED TAPE DO NOT EQUAL OR EXCEED 3.0 POUNDS/HOUR EMISSION RATE POTENTIALS FROM EACH EMISSION POINT 04064, 04066 AND 04072, AND DO NOT EQUAL OR EXCEED 15.0 POUNDS/DAY, AVERAGED ON AN ANNUAL BASIS, ACTUAL EMISSIONS IN THE ABSENCE OF CONTROL EQUIPMENT FROM EMISSION POINT 04072.

Process: CY2 is located at K32, L32, Building 273 - ASPHALT TRANSFER BETWEEN AUTOCLAVES AND ASPHALT STORAGE TANKS, RESULTING IN SMALL VOC EMISSIONS.

Process: G01 is located at Building 273 - GLUE OVEN EMISSIONS RELEASED FROM CURING OF COATING. A MIXTURE OF ADHESIVE AND DILUENT IS APPLIED BY ROLL COATER TO STATOR LAMINATE PUNCHINGS. TO THE EXTENT REQUIRED, EMISSIONS ARE VENTED TO A CONTROL DEVICE.

Process: K24 is located at Building 273 - THERMAL SETTING INSULATING TAPES AND COMPOUNDS ARE CURED ONTO GENERATOR ASSEMBLIES.

Process: LA1 is located at Building 273 - STATOR LAMINATION LINE. EMISSIONS FROM THE APPLICATION OF COMPLIANT COATING TO PUNCHINGS IN THE STATOR LAMINATION LINE, WHEN THE THERMAL OXIDIZER IS NOT BYPASSED.

Process: LA2 is located at Building 273 - EMISSIONS FROM NATURAL GAS FIRED DRYING OVENS. NATURAL GAS FIRED DRYERS USED TO FLASH OFF COATINGS AS APPLIED TO PUNCHINGS IN THE STATOR LAMINATION LINE AND GLUE OVEN.

THERMAL OXIDIZER RAMP-UP. EMISSIONS FROM THE THERMAL OXIDIZER RAMP-UP (FORMERLY PROCESS RMP) ARE INCLUDED IN THIS PROCESS. THE THERMAL OXIDIZER IS BROUGHT UP TO COMBUSTION TEMPERATURE BY COMBUSTING NATURAL GAS. RAMP-UP EMISSIONS INCLUDE ONLY PRODUCTS OF COMBUSTION (I.E., NO EXHAUST STREAMS ARE VENTING TO THE THERMAL OXIDIZER DURING RAMP-UP).

Process: LA3 is located at Building 273 - STATOR LAMINATION LINE. EMISSIONS FROM THE APPLICATION OF COMPLIANT COATINGS TO PUNCHINGS IN THE STATOR LAMINATION LINE, WHEN THE THERMAL OXIDIZER IS BYPASSED.

Process: LA4 is located at Building 273 - STATOR LAMINATION LINE. EMISSIONS FROM THE APPLICATION BY ROLL COATER OF NON-COMPLIANT COATINGS TO PUNCHINGS. EMISSIONS ARE VENTED TO A CONTROL DEVICE.

Process: LO1 is located at SLOT ARMOR OVEN, Building 49 - SLOT ARMOR. VARIOUS PREPREGNATED GLASS WITH RESINS ARE MOLDED ONTO ALUMINUM PLATES. THE PLATES ARE PLACED INTO AUTOCLAVE VACUUM CHAMBERS FOLLOWED BY OVENS.

Process: PRG is located at N/A, Building 273 - COATING OVENS AND THERMAL OXIDIZER PURGES. INSIGNIFICANT (TRACE) EMISSIONS RESULTING FROM THE PURGING OF THE STATOR LAMINATION LINE AND GLUE OVENS, AND FROM THE PURGING OF THE THERMAL OXIDIZER.

Process: STM is located at Building 273 - LARGE STEAM LIQUID COOLED ASSEMBLY MODELS

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ARE CURED. PART 228 IS NOT APPLICABLE TO THIS PROCESS PURSUANT TO PARAGRAPH 228.1(h)(6).

Process: VNT is located at THROUGHOUT BLDG, Building 281 - VAPOR EXTRACTION & VENTILATION FROM OIL TANKS AND BUNKERS USED IN TESTING TURBINES.

Emission unit BOILRS - Three boilers equipped with low NOx burners, each capable of burning natural gas or residual #6 fuel oil. Each boiler has a maximum heat input rating equal to 98.4 million BTU/hour when burning natural gas and 92.8 million BTU/hour when burning #6 residual fuel oil. Two of the three boilers are subject to NSPS standards pursuant to 40CFR 60, subpart Dc. During permitting before installation, emissions of NOx from boilers #6 and #7 were capped to avoid PSD requirements. To accomplish this, the usage of #6 fuel oil was limited so that no more than 49% of the BTU input to each boiler is contributed by oil on a 365-day rolling basis. Source 0002A is boiler 7 and has its own separate stack - 00002. Sources 0004A and 0004B are boilers 5 and 6 respectively and are tied to one stack - 00004.

Emission unit BOILRS is associated with the following emission points (EP):  
00002, 00004

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

Process: 67G is located at 1, Building 265 - STEAM PRODUCTION WHEN NATURAL GAS IS USED AS FUEL IN BOILERS #6 AND #7.

EACH BOILER HAS A MAXIMUM HEAT INPUT RATING EQUAL TO 98.4 MILLION BTU/HOUR WHEN BURNING NATURAL GAS AND 92.8 MILLION BTU/HOUR WHEN BURNING #6 RESIDUAL FUEL OIL.

Process: 67O is located at 1, Building 265 - STEAM PRODUCTION WHEN #6 RESIDUAL OIL IS USED AS FUEL IN BOILERS #6 AND #7.

EACH BOILER HAS A MAXIMUM HEAT INPUT RATING EQUAL TO 98.4 MILLION BTU/HOUR WHEN BURNING NATURAL GAS AND 92.8 MILLION BTU/HOUR WHEN BURNING #6 RESIDUAL FUEL OIL.

EACH BOILER IS LIMITED TO THE USE OF NO MORE THAN 49 PERCENT BTUs PER YEAR WITH NUMBER 6 FUEL OIL DUE TO PSD AVOIDANCE EMISSIONS CAPPING. THIS IS EQUAL TO A MAXIMUM OF 5,469,800 GALLONS OF OIL PER 365 CONSECUTIVE DAY PERIOD FOR BOTH BOILERS, WHILE NOT EXCEEDING 2,734,900 GALLONS PER 365 CONSECUTIVE DAY PERIOD PER BOILER.

Process: B5G is located at 1, Building 265 - STEAM PRODUCTION WHEN NATURAL GAS IS USED AS FUEL IN BOILER #5.

THIS BOILER HAS A MAXIMUM HEAT INPUT RATING EQUAL TO 98.4 MILLION BTU/HOUR WHEN BURNING NATURAL GAS AND 92.8 MILLION BTU/HOUR WHEN BURNING #6 RESIDUAL FUEL OIL.

Process: B5O is located at 1, Building 265 - STEAM PRODUCTION WHEN #6 RESIDUAL OIL IS USED AS FUEL IN BOILER #5.

THIS BOILER HAS A MAXIMUM HEAT INPUT RATING EQUAL TO 98.4 MILLION BTU/HOUR WHEN BURNING NATURAL GAS AND 92.8 MILLION BTU/HOUR WHEN BURNING #6

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**RESIDUAL FUEL OIL.**

Emission unit EXMBLR - This emission unit is comprised of two 8.4 million BTU/hour boilers serving buildings 2 and 5. Each boiler is equipped to fire both natural gas and #2 fuel oil, though natural gas is the primary fuel. The #2 fuel oil has been limited to a sulfur content of 0.5% to avoid triggering PSD requirements.

Emission unit EXMBLR is associated with the following emission points (EP):  
00009

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

Process: 2FO is located at Building 5 - #2 FUEL OIL COMBUSTION.

Process: NGS is located at Building 5 - NATURAL GAS COMBUSTION.

Emission unit TURBIN - This emission unit is comprised of the steam turbine assembly operations. This emission unit includes emissions from a stationary spray paint booth with four emission points and from portable spray paint booths which generate fugitive emissions and fugitive emissions in buildings 66 and 273 from the application of rust inhibitors and preservatives to steam turbines and associated equipment. Booth location is in building 66 and only compliant coatings are utilized. VOC emissions have been capped at the emission unit to avoid new source review requirements.

Emission unit TURBIN is associated with the following emission points (EP):  
05700, 05701, 05702, 05703

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

Process: CC2 is located at 1, Building 66 - SPRAY PAINT OPERATION. THE APPLICATION OF COMPLIANT COATING TO STEAM TURBINE GENERATOR ASSEMBLIES AND MISCELLANEOUS METAL PARTS AND FUGITIVE EMISSIONS IN BUILDINGS 66 AND 273 FROM APPLICATION OF RUST INHIBITORS AND PRESERVATIVES TO STEAM TURBINES AND ASSOCIATED EQUIPMENT. COATING OCCURS IN BOTH A STATIONARY SPRAY PAINT BOOTH, PORTABLE SPRAY PAINT BOOTHS, AND FUGITIVE SOURCES THAT HAVE NO STACKS.

Emission unit SANDER - Sanding and deburring operations consisting of sources 3081A, 3081C, 3082A, 3082C, 3083A, 3083C, 3084A, and 3085A. Each source is controlled with dust collectors.

Emission unit SANDER is associated with the following emission points (EP):  
03081, 03082, 03083, 03084, 03085, 03087

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

Process: SAN is located at Building 273 - SANDING & DEBURRING. PARTICULATE EMISSIONS GENERATED FROM SANDING AND DEBURRING OPERATIONS.

Emission unit ELBATH - Electrolytic bath used for surface finishing (deburring) of generator punchings.

Emission unit ELBATH is associated with the following emission points (EP):  
03066

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

Process: BTH is located at Building 273 - DEBURRING OF GENERATOR PUNCHINGS IN ELECTROLYTIC BATH. GENERATOR PUNCHINGS ARE CONVEYED THROUGH A WATER AND SODIUM NITRATE SOLUTION.

Emission unit ILASER - This emission unit is comprised of the laser welding operation, and is

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comprised of emission source 3086A and controls 3086B and 3086C.

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

Process: LSR is located at Building 273 - LASER WELDING. LASER WELDING AND CUTTING OF STAINLESS STEEL.

**Title V/Major Source Status**

GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL 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 (NOx), carbon monoxide (CO), sulfur dioxide (SO2), 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 methyl ethyl ketone is greater than 10 tons per year which is the Title V threshold. The PTE for total hazardous air pollutants (HAP) is greater than 25 tons per year which is the Title V thresholds.

**Program Applicability**

The following chart summarizes the applicability of GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL 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
TITLE VI	NO
RACT	NO
SIP	YES

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**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.

**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 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

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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
3511	TURBINES AND TURBINE GENERATOR

### 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
1-02-014-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - CO BOILER Natural Gas
1-02-005-03	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL <10MMBTU/HR **
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
1-02-006-03	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS Less Than 10 MMBtu/Hr
1-02-004-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - RESIDUAL OIL Grade 6 Oil
3-09-002-02	FABRICATED METAL PRODUCTS FABRICATED METAL PRODUCTS - ABRASIVE BLASTING OF METAL PARTS Sand Abrasive
3-09-999-99	FABRICATED METAL PRODUCTS FABRICATED METAL PRODUCTS - OTHER NOT CLASSIFIED Other Not Classified
3-99-999-94	MISCELLANEOUS MANUFACTURING INDUSTRIES

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	MISCELLANEOUS INDUSTRIAL PROCESSES
	Other Not Classified
3-99-999-99	MISCELLANEOUS MANUFACTURING INDUSTRIES
	MISCELLANEOUS INDUSTRIAL PROCESSES
	SEE COMMENT **
4-90-999-99	ORGANIC SOLVENT EVAPORATION
	MISCELLANEOUS VOLATILE ORGANIC COMPOUND
	EVAPORATION
	Identify the Process and Solvent in Comments
4-01-888-01	ORGANIC SOLVENT EVAPORATION
	ORGANIC SOLVENT EVAPORATION - FUGITIVE EMISSION
	Specify in Comments Field
4-90-001-01	ORGANIC SOLVENT EVAPORATION
	ORGANIC SOLVENT EVAPORATION - SOLVENT EXTRACTION
	PROCESS
	Petroleum Naphtha (Stoddard)
4-02-008-01	SURFACE COATING OPERATIONS
COATING OVEN - GENERAL	
General	
4-02-001-10	SURFACE COATING OPERATIONS
	SURFACE COATING APPLICATION - GENERAL
	Paint: Solvent-Base
4-02-007-12	SURFACE COATING OPERATIONS
	SURFACE COATING APPLICATION - GENERAL
	SURFACE COATING APPLICATION-GENERAL: ADHESIVE:ROLL-ON
4-02-014-35	SURFACE COATING OPERATIONS
	SURFACE COATING OPERATIONS - LARGE APPLIANCES
	Prime Dip Coat
4-02-025-99	SURFACE COATING OPERATIONS
	SURFACE COATING OPERATIONS - MISCELLANEOUS METAL
	PARTS
	Other Not Classified

### 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.

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Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000084-74-2	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (HAP)	18000	
000120-80-9	1,2-BENZENEDIOL (HAP)	18000	
000107-21-1	1,2-ETHANEDIOL (HAP)	18000	
000085-44-9	1,3-ISOBENZOFURANDIONE (HAP)	18000	
000123-31-9	1,4-BENZENEDIOL (HAP)	18000	
000078-59-1	2-CYCLOHEXEN-1-ONE, 3,5,5-TRIME THYL (HAP)	18000	
000109-86-4	2-METHOXYETHANOL (HAP)	18000	
000110-49-6	2-METHOXY-ETHANOL ACETATE (HAP)	18000	
000108-10-1	2-PENTANONE, 4-METHYL (HAP)	18000	
000079-10-7	2-PROPENOIC ACID (HAP)	18000	
002807-30-9	2-PROPOXY ETHANOL (HAP)	18000	
000083-32-9	ACENAPHTHENE (HAP)		> 0 but < 2.5 tpy
000108-05-4	ACETIC ACID ETHENYL ESTER (HAP)	18000	
000062-53-3	ANILINE (HAP)	18000	
007440-36-0	ANTIMONY (HAP)	18000	
007440-38-2	ARSENIC (HAP)	18000	
000071-43-2	BENZENE (HAP)	18000	
000098-82-8	BENZENE, (1-METHYLETHYL) (HAP)	18000	
000106-46-7	BENZENE, 1,4-DICHLORO- (HAP)	18000	
000095-47-6	BENZENE, 1,2-DIMETHYL (HAP)	18000	
007440-41-7	BERYLLIUM (HAP)	18000	
000117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE (HAP)	18000	
007440-43-9	CADMIUM (HAP)	18000	
000630-08-0	CARBON MONOXIDE		>= 100 tpy but < 250 tpy
007440-47-3	CHROMIUM (HAP)	18000	
007440-48-4	COBALT (HAP)	18000	
000075-09-2	DICHLOROMETHANE (HAP)	18000	
000131-11-3	DIMETHYL PHTHALATE (HAP)	18000	
000071-55-6	ETHANE, 1,1,1-TRICHLORO (HAP)	18000	
000111-90-0	ETHANOL, 2-(2-ETHOXYETHOXY) (HAP)	18000	
000112-34-5	ETHANOL, 2-(2-BUTOXYETHOXY) - (HAP)	18000	
000111-42-2	ETHANOL, 2,2'-IMINO BIS- (HAP)	18000	
000111-76-2	ETHANOL, 2-BUTOXY-		> 0 but < 2.5 tpy
000078-51-3	ETHANOL, 2-BUTOXY PHOSPHATE (HAP)	18000	
000110-80-5	ETHANOL, 2-ETHOXY- (HAP)	18000	
000122-99-6	ETHANOL, 2-PHENOXY (HAP)	18000	
000100-41-4	ETHYLBENZENE (HAP)	18000	
000096-45-7	ETHYLENE THIOUREA (HAP)	18000	
000050-00-0	FORMALDEHYDE (HAP)	18000	
000100-00-0	HAP	48000	
000110-54-3	HEXANE (HAP)	18000	
007647-01-0	HYDROGEN CHLORIDE (HAP)	18000	
007439-92-1	LEAD (HAP)	18000	
007758-97-6	LEAD CHROMATE (HAP)	18000	
007439-96-5	MANGANESE (HAP)	18000	
007439-97-6	MERCURY (HAP)	18000	
000067-56-1	METHYL ALCOHOL (HAP)	18000	
000078-93-3	METHYL ETHYL KETONE (HAP)	18000	
001634-04-4	METHYL TERTBUTYL ETHER (HAP)	18000	
000091-20-3	NAPHTHALENE (HAP)	18000	
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS (HAP)	18000	



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0NY210-00-0	OXIDES OF NITROGEN	>= 250 tpy
000106-89-8	OXIRANE, (CHLOROMETHYL) (HAP)	18000
010028-15-6	OZONE	> 0 but < 2.5 tpy
0NY075-00-0	PARTICULATES	>= 250 tpy
000127-18-4	PERCHLOROETHYLENE (HAP)	18000
000108-95-2	PHENOL (HAP)	18000
007723-14-0	PHOSPHORUS (YELLOW) (HAP)	18000
0NY075-00-5	PM-10	>= 250 tpy
130498-29-2	POLYCYCLIC AROMATIC HYDROCARBONS (HAP)	18000
007782-49-2	SELENIUM (HAP)	18000
000100-42-5	STYRENE (HAP)	18000
007446-09-5	SULFUR DIOXIDE	>= 250 tpy
000108-88-3	TOLUENE (HAP)	18000
000079-01-6	TRICHLOROETHYLENE (HAP)	18000
0NY998-00-0	VOC	>= 100 tpy but < 250 tpy
001330-20-7	XYLENE, M, O & P MIXT. (HAP)	18000

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: 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.

(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 - 6NYCRR Part**

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**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 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 - 6NYCRR 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

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conditions of this permit.

**Item H: 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 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 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,

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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 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,

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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**

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B-OILRS/-/670/0002A	40CFR 52-A.21	Prevention of Significant Deterioration	1-30, 1-31
B-OILRS/-/670/0004B	40CFR 52-A.21	Prevention of Significant Deterioration	1-34, 1-35
B-OILRS/-/B50	40CFR 52-A.21	Prevention of Significant Deterioration	182, 183
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B-OILRS/-/670	40CFR 60-Dc.44c(g)	Alternative Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.	155
B-OILRS/-/670	40CFR 60-Dc.45c	Compliance and Performance Test Methods and Procedures for Particulate Matter.	156
B-OILRS/-/670	40CFR 60-Dc.46c(d)(1)	Alternative sulfur dioxide monitoring.	157
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B-OILRS/-/670	40CFR 60-Dc.48c(i)	Reporting and Recordkeeping Requirements.	168
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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.

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6NYCRR Part 200-.6

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

6NYCRR Part 200-.7

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

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 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6NYCRR Part 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6NYCRR Part 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.

6NYCRR Part 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.

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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 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.

6NYCRR 201-6.5(a)(7)

This is a mandatory condition that requires the owner or operator of a facility subject to Title V requirements to pay all applicable fees associated with the emissions from their facility.

6NYCRR 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.

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 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

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recordings for continuous monitoring instrumentation, and copies of all reports required by the permit.

6NYCRR Part 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(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.

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 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.

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 202-1.1

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 be borne by the owner/operator of the source.

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.

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#### 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.

#### 6 NYCRR Part 211.3

This condition requires that the opacity (i.e., the degree to which emissions other than water reduce the transmission of light) of the emissions from any air contamination source be less than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent.

#### 6 NYCRR Part 215

Prohibits open fires at industrial and commercial sites.

#### 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 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, GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL has been determined to be subject to the following regulations:

#### 40CFR 52-A.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions; ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

#### 40CFR 60-A

This regulation contains the General Provisions of 40 CFR 60. The facility owner is responsible for

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reviewing these general provisions in detail and complying with all applicable technical, administrative and reporting requirements

40CFR 60-Dc.42c (d)

This regulation requires that on or after the date on which the initial performance test is completed or required to be completed under section 60.8 of 40 CFR 60 Subpart A, no owner or operator of an affected facility that combusts oil, shall combust oil with a sulfur content in excess of 0.5 percent by weight.

40CFR 60-Dc.42c (g)

This regulation requires that compliance with emission limits, percent reduction, and fuel oil sulfur limitations be based on a 30 day rolling average

40CFR 60-Dc.42c (i)

This regulation requires that the sulfur dioxide emission limits, percentage reductions, and fuel oil sulfur limitations apply at all times, including periods of startup, shutdown, and malfunction.

40CFR 60-Dc.43c (c)

This regulation requires that on or after the date on which the initial performance test is completed or is required to be completed, an affected facility that combusts coal, wood, or oil and has a heat input of 30 million Btu per hour (8.7 MW) or greater, shall not cause any gases to be discharged to the atmosphere, that exhibit an opacity greater than 20% (based on a 6-minute average) or exceeds 27% for one 6-minute period per hour.

40CFR 60-Dc.43c (d)

This regulation requires that the particulate matter and opacity standards of section 40 CFR 60-Dc.43c apply at all times, except during periods of startup, shutdown, and malfunction.

40CFR 60-Dc.44c (g)

This regulation requires that oil fired facilities, demonstrating compliance with the sulfur dioxide standard through sampling and analysis, must test every shipment of oil after the initial approval of the sampling plan.

40CFR 60-Dc.45c

This regulation requires the facility to conduct compliance testing for particulate matter by the methods listed in this section 40 CFR 60-Dc.45c.

40CFR 60-Dc.46c (d) (1)

This regulation allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device.

40CFR 60-Dc.46c (d) (2)

This regulation allows the owner or operator of an affected facility to determine the average sulfur dioxide emission rate by sampling the fuel prior to its combustion and calculating the emissions instead of installing and operating a continuous emissions monitor at the inlet of the control device

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40CFR 60-Dc.47c

This regulation requires that all continuous emissions monitors measuring opacity to be operated in accordance with Appendix B of this part 40 CFR 60.

40CFR 60-Dc.47c (a)

This regulation requires that an affected facility that combusts coal, wood, or oil and is subject to the opacity requirements under 40 CFR 60.43c shall install, calibrate, maintain, and operate a continuous emissions monitor for measuring opacity and record the results.

40CFR 60-Dc.48c (b)

This regulation requires facilities subject to 40 CFR 60.42c or 40 CFR 60.43c to submit to the Administrator the performance test data from the initial test and any subsequent tests including, if applicable, performance evaluations of continuous emissions monitors.

40CFR 60-Dc.48c (c)

This regulation requires the owner or operator of each coal-fired, residual, oil-fired, or wood-fired affected facility subject to the opacity limits under §60.43c(c) to submit excess emission reports, to the EPA semiannually. All reports shall be postmarked by the 30th day following the end of each semiannual reporting period

40CFR 60-Dc.48c (d)

This regulation requires the owner or operator of the facility subject to the SO<sub>2</sub> emission limits, fuel oil sulfur limits, or percent reduction requirements under §60.42c, to submit semi-annual reports to the EPA

40CFR 60-Dc.48c (e) (1)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

40CFR 60-Dc.48c (e) (2)

Reporting and recordkeeping provisions for facilities subject to a sulfur-in-fuel standard, sulfur dioxide emission limit, or percent reduction of sulfur dioxide emissions.

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 61-M

The requirements for activities involving asbestos are provided in this regulation. GE may perform activities at the facility that would involve demolition and/or renovation activities involving asbestos.

40CFR 63-B.40

Sections 63.40 through 63.44 contain the requirements for construction or reconstruction of major

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sources of hazardous air pollutants (HAPs). A major source of HAPs is one that emits or has the potential to emit 10 tons per year of any individual HAP or 25 tons per year of total HAPs. The requirements are also known as "Case-By-Case MACT" and "Section 112(g) requirements." This does not apply to existing major sources of HAPs. If an existing facility adds a process or production unit that in and of itself is a major source, then the Case-By Case Maximum Achievable Control Technology requirements apply only to the new process or production unit.

#### 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-H

This regulation details the standards for halon emissions reduction.

#### 6NYCRR 201-6.1

This section sets forth the applicability requirements for a Title V facility permit and preconstruction permits for stationary sources. It also defines those stationary source categories exempted or deferred from the permitting requirements to obtain a Title V permit. This section also allows any stationary source, that so desires, to apply for a Title V facility permit. Finally, applicable facilities with multiple stationary sources are to be issued a single Title V permit unless a request is made otherwise.

#### 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.

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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

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

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)

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.

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 .10 (f)

Owners and/or operators must submit a RACT compliance plan with each application for a permit to construct and implement this plan when operation commences. A RACT analysis may not be required if emission levels fall below certain limits.

6NYCRR 212 .4 (b)

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

6NYCRR 212 .4 (c)

This rule requires existing sources (in operation after July 1, 1973) of solid particulates with

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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 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 (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 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 227-1.2 (b)

The regulation states that if two or more simultaneously operated furnaces are connected to a common control and/or stack, the total heat input of all furnaces connected shall be the heat input for the purpose of computing the permissible emission rate.

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.

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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)

To comply with this Subpart, emission requirements for mid-size boilers (boilers with a heat input between 50 and 100 mmBtu/hr), owners or operators of a mid-size boiler must meet the requirements of either paragraph (1) or (2) of this subdivision.

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) (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 NOx 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 (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

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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 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.

6NYCRR 228 .1 (h) (13)

This reference provides the requirements that have to be met in order to have low use specialty coatings exempt 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 .3 (b)

An afterburner used to control VOC emissions from a surface coating process must be able to achieve, and maintain, at least an 80 % VOC removal efficiency.

6NYCRR 228 .3 (c)

This reference provides the solids removal efficiency requirements for an air cleaning device used to comply with this rule.

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.

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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 .5 (e) (2)

Control equipment other than VOC recovery must propose a method to determine the overall contaminate removal efficiency of the control system.

6NYCRR 228 .5 (f)

The owner or operator of a surface coating process subject to this rule must follow the notification requirements, protocol requirements and test procedures included in part 202 of this title. This reference provides a list of test methods that can be used to test the VOC content of a gas stream when determining the destruction and/or removal efficiency of a control device.

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)

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 228 .9

The Department will specify the appropriate VOC content limit for coatings which are used in processes not listed in Table 1 or 2.



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6NYCRR 231-2.2 (a)

The subdivisions of this section are to be considered in determining if, or to what extent, the requirements of any section of this Subpart apply to any emission unit (including any exempt or trivial activity as defined in Part 201 of this Title), which is part of a proposed source project or proposed major facility, or to any emission unit, area source, mobile source, or other source which is used to establish an ERC. Any emission unit subject to this Subpart must also comply with State facility or Title V permitting requirements, as applicable, pursuant to Part 201 of this Title.

6NYCRR 231-2.2 (a) sets forth the applicability requirements for emission increases in any nonattainment area and attainment portions of the ozone transport region.

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.

**Non Applicability Analysis**

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

<b>Location Facility/EU/EP/Process/ES</b>	<b>Short Description</b>	<b>Regulation</b>
B-OILRS/-/B5G/0004A	Steam generators 10-100 million Btu per hour	40CFR 60-Dc
Reason: SOURCE 0004a (BOILER #5) WAS CONSTRUCTED PRIOR TO THE DATE OF JUNE 9, 1989, AND THEREFORE, NSPS SUBPART Dc IS NOT APPLICABLE TO THIS BOILER. ADDITIONALLY, THE TITLE V APPLICATION INFORMATION SUBMITTED BY GE INDICATES THE DATE OF OPERATION FOR THE BOILER WAS JANUARY 1, 1989.		
B-OILRS/-/B5O/0004A	Steam generators 10-100 million Btu per hour	40CFR 60-Dc
Reason: SOURCE 0004a (BOILER #5) WAS CONSTRUCTED PRIOR TO THE DATE OF JUNE 9, 1989, AND THEREFORE, NSPS SUBPART Dc IS NOT APPLICABLE TO THIS BOILER. ADDITIONALLY, THE TITLE V APPLICATION INFORMATION SUBMITTED BY GE INDICATES THE DATE OF OPERATION FOR THE BOILER WAS JANUARY 1, 1989.		

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 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 GENERAL ELECTRIC STEAM TURBINE GENERATOR GLOBAL:

<b>Location Facility/EU/EP/Process/ES</b>	<b>Type of Monitoring</b>	<b>Cond No.</b>
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**Basis for Monitoring**

Condition 37 --- 6 NYCRR Part 231-2.2(a) - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions established to avoid the applicability to the stated regulation. Monitoring and recording the monthly emissions of nitrogen oxides from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 38 --- 6 NYCRR Part 231-2.2(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 regulation. Monitoring and recording the monthly emissions of volatile organic compounds from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 39 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions established to avoid the applicability to the stated regulation. Monitoring and recording the monthly emissions of nitrogen oxides from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

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

Condition 42 --- 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 annual 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 curing operations contained in the process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 44 --- 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 annual 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 curing operations contained in the process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 46 --- 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 requirement to operate and maintain the emission sources according to good engineering practices and to

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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 sources as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 47 --- 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 process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 51 --- 6 NYCRR Part 228.3(a) - 6 NYCRR Part 228.3(a) requires that no person shall exceed the allowable pounds of volatile organic compounds per gallon contained in the regulation unless control equipment meeting certain specifications is used. The coating(s) being used have to meet the allowable volatile organic compound per gallon limit contained in the condition. The monitoring condition requires the facility to keep records on a monthly basis in order to determine compliance with the limit.

Condition 53 --- 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 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 process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 63 --- 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 annual 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 65 --- 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 annual 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 68 --- 6 NYCRR Part 228.3(b) - 6 NYCRR Part 228.3(b) requires that any afterburner used as control equipment be energy efficient and have at a minimum an 80 percent overall removal efficiency of volatile organic compounds. This condition requires that the facility monitor the combustion chamber temperature of the afterburner on a continuous basis. Monitoring the combustion chamber temperature on a continuous basis will insure that the temperature remains above the temperature determined by a stack test that corresponds to an overall removal efficiency greater than that required by the regulation.

Condition 72 --- 6 NYCRR Part 228.4 - This monitoring condition has been included to address the

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visible emissions requirements of 6 NYCRR Part 228 - Surface Coating Processes. The annual 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 81 --- 40 CFR 63.40, Subpart B - This monitoring condition has been included in the permit to address the capping/limiting of total hazardous air pollutant (HAP) emissions established to avoid the applicability to the stated regulation. Monitoring and recording the monthly emissions of total hazardous air pollutants from the process will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 83 --- 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 annual 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 86 --- 6 NYCRR Part 228.3(a) - 6 NYCRR Part 228.3(a) requires that no person shall exceed the allowable pounds of volatile organic compounds per gallon contained in the regulation unless control equipment meeting certain specifications is used. The coating(s) being used have to meet the allowable volatile organic compound per gallon limit contained in the condition. The monitoring condition requires the facility to keep records on a monthly basis in order to determine compliance with the limit.

Condition 87 --- 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 annual 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 99 --- 6 NYCRR Part 228.3(a) - 6 NYCRR Part 228.3(a) requires that no person shall exceed the allowable pounds of volatile organic compounds per gallon contained in the regulation unless control equipment meeting certain specifications is used. The coating(s) being used have to meet the allowable volatile organic compound per gallon limit contained in the condition. The monitoring condition requires the facility to keep records on a monthly basis in order to determine compliance with the limit.

Condition 100 --- 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 annual 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 111 --- 6 NYCRR Part 228.3(b) - 6 NYCRR Part 228.3(b) requires that any afterburner used as control equipment be energy efficient and have at a minimum an 80 percent overall removal efficiency

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of volatile organic compounds. This condition requires that the facility monitor the combustion chamber temperature of the afterburner on a continuous basis. Monitoring the combustion chamber temperature on a continuous basis will insure that the temperature remains above the temperature determined by a stack test that corresponds to an overall removal efficiency greater than that required by the regulation.

Condition 114 --- 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 annual 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 124 --- 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 annual 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 126 --- 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 annual 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 128--- 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.

Condition 130 --- 6 NYCRR Part 212.10(f) - This regulation states that new emission points must have reasonably available control technology installed to control volatile organic compound emissions unless the volatile organic compound emission rate potential is less than 3.0 pounds per hour and actual emissions are less than 15.0 pounds per day. This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions to avoid the requirement to install reasonably available control technology. Monitoring the emission point on a monthly basis and maintaining records will demonstrate compliance with the regulation by showing that the emissions of volatile organic compounds are below the pounds per hour and pounds per day limits noted above.

Condition 131 --- 6 NYCRR Part 212.10(f) - This regulation states that new emission points must have reasonably available control technology installed to control volatile organic compound emissions unless the volatile organic compound emission rate potential is less than 3.0 pounds per hour and actual emissions are less than 15.0 pounds per day. This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions to avoid the requirement to install reasonably available control technology. Monitoring the emission point on a monthly basis and maintaining records will demonstrate compliance with the regulation by showing that the emissions of volatile organic compounds are below the pounds per hour and pounds per day limits noted above.

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Condition 132 --- 6 NYCRR Part 212.10(c)(1) - This regulation states that existing emission points must have reasonably available control technology installed to control volatile organic compound emissions unless the volatile organic compound emission rate potential is less than 3.0 pounds per hour. This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions to avoid the requirement to install reasonably available control technology. Monitoring the emission point on a monthly basis and maintaining records will demonstrate compliance with the regulation by showing that the emissions of volatile organic compounds are below the pounds per hour limit noted above.

Condition 133 --- 6 NYCRR Part 212.10(c)(1) - This regulation states that existing emission points must have reasonably available control technology installed to control volatile organic compound emissions unless the volatile organic compound emission rate potential is less than 3.0 pounds per hour. This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions to avoid the requirement to install reasonably available control technology. Monitoring the emission point on a monthly basis and maintaining records will demonstrate compliance with the regulation by showing that the emissions of volatile organic compounds are below the pounds per hour limit noted above.

Condition 134 --- 6 NYCRR Part 212.10(f) - This regulation states that new emission points must have reasonably available control technology installed to control volatile organic compound emissions unless the volatile organic compound emission rate potential is less than 3.0 pounds per hour and actual emissions are less than 15.0 pounds per day. This monitoring condition has been included in the permit to address the capping/limiting of volatile organic compound emissions to avoid the requirement to install reasonably available control technology. Monitoring the emission point on a monthly basis and maintaining records will demonstrate compliance with the regulation by showing that the emissions of volatile organic compounds are below the pounds per hour and pounds per day limits noted above.

Condition 135 --- 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 requirement to operate and maintain the emission sources according to good engineering practices, monitor the process on a monthly basis, 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 sources as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 145--- 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 process on a daily basis and maintaining records will demonstrate compliance with the regulation.

Condition 147 --- 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 continuous basis. A Continuous Opacity Monitoring System (COMS) will be used to monitor the opacity. Operating and maintaining the COMS in accordance with the monitoring description will demonstrate compliance with the regulation.

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Condition 154 --- 40 CFR 60.43c(c), Subpart Dc - This monitoring condition has been included to address the visible emissions requirements of 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The facility shall monitor the opacity on a continuous basis. Monitoring the opacity on a continuous basis will demonstrate compliance with the regulation.

Condition 158 --- 40 CFR 60.46c(d)(1), Subpart Dc - This monitoring condition has been included to address the fuel sampling requirements of 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The facility shall collect fuel samples (oil) on a daily basis and analyze the samples for sulfur content and heat content. Monitoring the fuel on a daily basis and analyzing the samples as indicated in the condition shall demonstrate compliance with the sulfur content limit contained in the condition. As an alternative, the facility may demonstrate compliance with Condition 159, 40 CFR 60.46c(d)(2).

Condition 159 --- 40 CFR 60.46c(d)(2), Subpart Dc - This monitoring condition has been included to address the fuel sampling requirements of 40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The facility shall collect fuel samples (oil) from the fuel tank for each steam generating unit immediately after the fuel tank is filled and before any oil is combusted and analyze the samples for sulfur content. Monitoring the fuel in this manner and analyzing the samples as indicated in the condition shall demonstrate compliance with the sulfur content limit contained in the condition. As an alternative, the facility may demonstrate compliance with Condition 158, 40 CFR 60.46c(d)(1).

Condition 162 --- 40 CFR 60.47c(a), Subpart Dc - This monitoring condition requires that a continuous emission monitoring system be installed and operated on a continuous basis to monitor opacity. Operating the continuous emission monitoring system on a continuous basis and maintaining the system will demonstrate compliance with the regulation.

Condition 168 --- 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 process on a daily basis and maintaining records will demonstrate compliance with the regulation.

Condition 170 --- 6 NYCRR Part 227-2.4(c) - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions and the requirement to install reasonably available control technology. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 172 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of sulfur dioxide emissions, by limiting fuel usage, established to avoid the applicability to the stated regulation. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 173 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions, by limiting fuel usage, established to avoid the

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applicability to the stated regulation. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 174 --- 6 NYCRR Part 227-2.4(c) - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions and the requirement to install reasonably available control technology. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 176 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of nitrogen oxide emissions, by limiting fuel usage, established to avoid the applicability to the stated regulation. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 177 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of sulfur dioxide emissions, by limiting fuel usage, established to avoid the applicability to the stated regulation. Monitoring and recording the daily fuel usage and calculating monthly fuel usage from the emission source will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis is less than the limit specified.

Condition 179 --- 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 continuous basis. A Continuous Opacity Monitoring System (COMS) will be used to monitor the opacity. Operating and maintaining the COMS in accordance with the monitoring description will demonstrate compliance with the regulation. As an alternative, the facility may show compliance with Condition 180.

Condition 180 --- 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 continuous basis using a Continuous Opacity Monitoring System (COMS) or monitor the opacity on a daily basis using instantaneous observations. Monitoring the opacity in either of the above manners and recording the results in accordance with the condition will be used to determine the compliance status with the regulation.

Condition 187 --- 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 process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 190 --- 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

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the method of complying with the regulation.

Condition 191 --- 40 CFR 52.21, Subpart A - This monitoring condition has been included in the permit to address the capping/limiting of sulfur dioxide emissions, by limiting the sulfur content of the fuel, established to avoid the applicability to the stated regulation. Monitoring and recording the sulfur content of the fuel on a per delivery basis will be used to demonstrate compliance with the capping condition.

Condition 192 --- 6 NYCRR Part 227-1.3(a) - 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 an annual basis by performing a Method 9 analysis. 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 194 --- 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 monthly monitoring frequency and the requirement to operate and maintain the emission sources 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 sources as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 197 --- 6 NYCRR Part 231-2.2(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 regulation. Monitoring and recording the monthly emissions of volatile organic compounds from the emission unit will demonstrate compliance with the capping condition by indicating the annual maximum on a monthly basis.

Condition 198 --- 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 requirement to operate and maintain the emission sources 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 sources as stated in the monitoring condition will demonstrate compliance with the regulation.

Condition 200 --- 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 process referenced in this condition are unlikely to produce visible emissions of any magnitude.

Condition 204 --- 6 NYCRR Part 228.3(a) - 6 NYCRR Part 228.3(a) requires that no person shall exceed the allowable pounds of volatile organic compounds per gallon contained in the regulation unless control equipment meeting certain specifications is used. The coating(s) being used have to meet the allowable volatile organic compound per gallon limit contained in the condition. The monitoring condition requires

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the facility to keep records on a monthly basis in order to determine compliance with the limit.

Condition 205 --- 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 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 process referenced in this condition are unlikely to produce visible emissions of any magnitude.