

New York State Department of Environmental Conservation

Permit Review Report

Permit ID: 5-4154-00002/01743 Renewal Number: 1



08/28/2007

Facility Identification Data

Name: MOMENTIVE PERFORMANCE MATERIALS
Address: 260 HUDSON RIVER RD
WATERFORD, NY 12188

Owner/Firm

Name: MPM SILICONES LLC
Address: 260 HUDSON RIVER RD
WATERFORD, NY 12188, USA
Owner Classification: Corporation/Partnership

Permit Contacts

Division of Environmental Permits:
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Air Permitting Contact:
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260 HUDSON RIVER RD
WATERFORD, NY 12188
Phone:5182333432

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.

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Summary Description of Proposed Project

Application for renewal of Air Title V Facility Permit.

Attainment Status

MOMENTIVE PERFORMANCE MATERIALS is located in the town of WATERFORD in the county of SARATOGA.

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

Momentive Performance Materials operates a silicone production facility (sic 2821) located in Saratoga County, New York, in the town of Waterford. The plant is approximately 12 miles north of Albany. The site produces silicone products and other materials including resins, fluids, dispersions, emulsions, heat curing elastomers, room temperature vulcanizing (rtv) elastomers and fumed silica. The site has continuous and batch chemicals processes, compounding, finishing and packaging operations, and steam generation capability.

Major emissions include: Carbon Monoxide (CO), Sulfur Dioxide (SO2), Volatile Organic Compounds (VOCs), Hazardous Air Pollutants (HAPs), Oxides of Nitrogen (NOx), Particulate Mater (PM) and Particulate Mater less than 10 microns (PM-10).

Emission unit listing and a brief description:

C-27018: This unit consists of the following production areas: Methyl Chloride, Gaseous Dihydrolysis

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(GDH), Liquid Dihydrolysis (LDH), Siloxane Oil, the Area 38 tank farm, the B30 Polykettle systems, and the B24A MQ Resin system. The unit also includes the following control devices and their associated equipment: the MCS Vent Incinerator, MCS Vent Scrubber, the Fixed Box (#2) Hazardous Waste Incinerator, and the Rotary Kiln Hazardous Waste Incinerator. Sources in this unit include storage tanks, distillation columns, process vessels, Synthetic Organic Chemical Manufacturing Industry (SOCMI) distillation columns, SOCMI reactors, and SOCMI wastewater. Applicable regulations for unit C-27018 include: the Hazardous Organic NESHAP (HON) under 40 CFR 63 Subparts F, G, and H, the Hazardous Waste Incinerator MACT under 40 CFR 63 Subpart EEE, the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, New Source Performance Standards (NSPS) for SOCMI distillation columns (40 CFR 60 Subpart NNN), SOCMI reactors (40 CFR 60 Subpart RRR), and volatile organic liquid (VOL) storage tanks (40 CFR 60 Subpart Kb), Volatile Organic Compound Reasonably Available Control Technology (VOC RACT) under 6 NYCRR Subpart 212, sulfur fuel limitations under 6 NYCRR Subpart 225, VOC RACT for storage tanks under 6 NYCRR Subpart 229, and State Air Toxics under 6 NYCRR Subpart 212.

C-27035: Emission unit C-27035 is comprised of several aboveground storage tanks that are used to store acids. All of the tanks are located in the HCL Tank Farm. All but one of the tanks vents to a packed tower water scrubber (EP27035). One tank vents to an eductor (EP27039) which is piped to the chemical process sewer. The emission unit also contains three locations within the tank farm, which allow for scrapping of acid to the chemical process sewer. The applicable regulations are the State Air Toxics under 6 NYCRR Subpart 212, the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, and New Source Performance Standards (NSPS) for volatile organic liquid (VOL) storage tanks under 40 CFR 60 Subpart Kb.

C-61007: Emission unit C-61007 includes the Silicon Grinding and Fines Passivation area. In the area, Silicon Grinding area, silicon metal is ground, screened, and transferred to silos. In the Fines Passivation area, mixers are used to mix fines to neutralize and harden the material. Processes include mixers, dust collectors, and an unloading station. Applicable regulations for this unit include emissions limitations for capping under Prevention of Significant Deterioration (40 CFR Subpart 52), the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, and particulate emissions limitations under 6 NYCRR 212.

C-62008: Emission unit C-62008 includes all equipment associated with the methylchlorosilane (MCS) reactor systems (MCS II system, MCS III system and MCS IV system) that are not associated with the control devices in unit C-27018. Sources include process vessels, feed hoppers, and hot oil furnaces. Applicable regulations for this unit include emissions limitations for capping under Prevention of Significant Deterioration (40 CFR Subpart 52) and Non-Attainment New Source Review under 6 NYCRR 231-2, the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, and particulate limitations under 6 NYCRR 212.

C-62014: This unit consists of sources in the Trichlorosilanes (TCS) and Fumed Silica production areas. The TCS area currently consists of exempt sources. The Fumed Silica area consists of a scrubber and various solids handling equipment. Applicable regulations include State Air Toxics under 6 NYCRR Subpart 212 and the Hydrochloric Acid Production MACT under NNNNN.

EGRNTR: This unit consists of emergency generator sources. They are subject to the Reciprocating Industrial Combustion Engine MACT of 40 CFR 63 Subpart ZZZZ.

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F-INISH: This unit consists of intermediate and final production of silicone products and materials, including resins, fluids, dispersions, emulsions, heat curing elastomers, room temperature vulcanizing (rtv) elastomers, sealants, and treated fumed silica. Also includes various maintenance shops and individual maintenance sources (such as degreasers). Process sources include storage vessels, batch reactors, process tanks, mixers, feed hoppers, filter presses, drumming operations, liquid add stations, process strippers, unloading stations, packaging operations, maintenance degreasers, and all of the associated control equipment. Applicable regulations include the following: emissions limitations for capping under Prevention of Significant Deterioration (40 CFR Subpart 52) and Non-Attainment New Source Review under 6 NYCRR 231-2, New Source Performance Standards (NSPS) for volatile organic liquid (VOL) storage tanks under 40 CFR 60 Subpart Kb, Volatile Organic Compound Reasonably Available Control Technology (VOC RACT) under 6 NYCRR Subpart 212, State Air Toxics under 6 NYCRR Subpart 212, VOC RACT for Storage Tanks Under 6 NYCRR 229, the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, and VOC RACT for Part Cleaners under 6 NYCRR 226.

H-OFURN: This unit consists of the plant's hot oil furnaces not associated with MCS. These furnaces are subject to 6 NYCRR 227 and the Industrial Boiler MACT .

T-13004: Unit 13004 consists of various pilot plant processes located in Building 13. Sources include process vessels, filters, and local extraction discharges. The applicable regulations include State Air Toxics under 6 NYCRR Subpart 212.

T-14009: This unit consists of equipment in the facility's Pilot Plant, located in Buildings 14, 15 and 16. The Pilot Plant makes developmental/experimental products for evaluation, and scaled-down batches of problem production grades to develop process adjustments. Scaled down batches of commercial products are also made here. Processes are small-volume sources including process vessels, strippers, distillation columns, mixers, and reactors. The applicable regulations include State Air Toxics under 6 NYCRR Subpart 212.

U-28002: Emission Unit U28002 consists of Boilers 13 and 18 and a #2 Fuel Oil storage tank. Applicable regulations include emissions limitations for capping under Prevention of Significant Deterioration (40 CFR Subpart 52) and Non-Attainment New Source Review under 6 NYCRR 231-2, New Source Performance Standards (NSPS) for volatile organic liquid (VOL) storage tanks under 40 CFR 60 Subpart Kb, NSPS regulations for industrial boilers under 40 CFR 60 Subpart Db, NOx RACT under 6 NYCRR 227-2, particulate limitations under 6 NYCRR 227-1, NOx Budget regulations under 6 NYCRR 227-3 and 204, the Industrial Boiler MACT, and fuel limitations for sulfur under 6 NYCRR 225.

U-28003: Emission Unit U28003 consists of boilers 14, 15, 16, and 17. Applicable regulations include Prevention of Significant Deterioration (40 CFR Subpart 52) and Non-Attainment New Source Review under 6 NYCRR 231-2, NOx RACT under 6 NYCRR 227-2, particulate limitations under 6 NYCRR 227-1, the Industrial Boiler MACT, and fuel limitations for sulfur under 6 NYCRR 225.

W-97004: This emission unit is the wastewater treatment process system of the waste handling area. The wastewater treatment plant is a physical/chemical treatment system consisting of pH neutralization, oil and grease separation, clarification, and air stripping operations. The applicable regulations are New



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Source Performance Standards (NSPS) for Volatile Organic Liquid (VOL) storage tanks under 40 CFR 60 Subpart Kb, State Air Toxics under 6 NYCRR Subpart 212, the Miscellaneous Organic NESHAP under 40 CFR Subpart FFFF, and Volatile Organic Compound Reasonably Available Control Technology (VOC RACT) under 6 NYCRR Subpart 212.

Permit Structure and Description of Operations

The Title V permit for MOMENTIVE PERFORMANCE MATERIALS is structured in terms of the following hierarchy: facility, emission unit, emission point, emission source and process.

A facility is defined as all emission sources located at one or more adjacent or contiguous properties owned or operated by the same person or persons under common control. The facility is subdivided into one or more emission units (EU). Emission units are defined as any part or activity of a stationary facility that emits or has the potential to emit any federal or state regulated air pollutant. An emission unit is represented as a grouping of processes (defined as any activity involving one or more emission sources (ES) that emits or has the potential to emit any federal or state regulated air pollutant). An emission source is defined as any apparatus, contrivance or machine capable of causing emissions of any air contaminant to the outdoor atmosphere, including any appurtenant exhaust system or air cleaning device.

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

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

MOMENTIVE PERFORMANCE MATERIALS is defined by the following emission unit(s):

Emission unit C27018 - Chemical operations and sources requiring incineration control under MON MACT. The MCS Vent incinerator, MCS vent scrubber, Fixed Box incinerator no. 2, and the rotary kiln incinerator are included in this unit.

Emission unit C27018 is associated with the following emission points (EP):

14006, 21005, 21011, 22001, 23002, 23005, 24103, 24105, 24113, 24120, 24121, 24132, 24133, 24134, 24135, 24137, 24139, 24140, 24207, 24208, 24305, 24307, 24308, 24309, 24310, 24311, 24312, 24409, 24423, 24702, 24704, 24801, 24806, 24906, 24907, 24916, 24922, 24924, 24925, 24935, 24937, 24938, 24939, 24940, 24941, 24944, 24945, 24949, 24950, 27018, 27022, 27023, 27024, 30801, 30802, 30803, 30804, 30805, 30806, 30807, 30808, 30901, 30902, 30904, 30910, 30911, 30912, 30913, 30914, 30915, 30916, 30917, 30918, 30921, 30922, 30933, 30935, 30945, 30946, 31002, 31003, 31019, 31022, 31030, 31031, 31032, 31034, 31036, 31037, 31040, 31041, 31045, 32035, 32036, 32038, 34001, 34002, 35006, 35007, 35009, 35010, 35011, 35012, 35017, 35018, 35028, 35031, 35032, 35033, 35034, 35035, 35036, 35037, 35038, 35039, 35040, 35041, 35042, 35043, 35044, 35045, 35046, 35047, 35048, 35049, 35050, 35901, 36001, 36003, 36004,

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37002, 37004, 37007, 37009, 37011, 37013, 37014, 37017, 37018, 37019, 37020, 37021, 37022, 37023, 37026, 37027, 37033, 37034, 37036, 37037, 37038, 37039, 37040, 37041, 37042, 37043, 37044, 37045, 37051, 37053, 37055, 37056, 37060, 37061, 37062, 37063, 37066, 37077, 37705, 37707, 37708, 37801, 37803, 37804, 37805, 37812, 37813, 37814, 37901, 37902, 37903, 37909, 37910, 37911, 37921, 37922, 37923, 37925, 37926, 37927, 37928, 37930, 37931, 37932, 37934, 37946, 37947, 37952, 38006, 38007, 38018, 38039, 38088, 48001, 55001, 55007, 57001, 57002, 57003, 61801, 61802, 62005, 62007, 62008, 62011, 70001, 70003, 71001, 71003, 71005, 71009, 71011, 71014, 71016, 76001, 76004, 76005, 76701, 76703, 76705, 76710, 76711, 76712, 76713, 76714, 76718, 78001, 78002, 78003, 78004, 78005, 78006, 78007, 78009, 78011, 78012, 78015, 78016, 78017, 78018, 78019, 78025, 97001, 97002, 97003, 97053

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

Process: 001 is located at Building 71 - This process represents FOM 001, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).

Process: 002 is located at Building 71 - This process represents FOM 002, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).

Process: 003 is located at Building 71 - Equipment for Family of Material #003, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 005 is located at Building 78 - Equipment for Family of Material #005, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 006 is located at Building 78 - Equipment for Family of Material #006, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 007 is located at Building 30 - Equipment for Family of Material #007, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 008 is located at Building 37 - Equipment for Family of Material #007, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 009 is located at Building 37 - Equipment for Family of Material #009, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 010 is located at Building 37 - Equipment for Family of Material #010, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 011 is located at Building 37 - Equipment for Family of Material #011, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 012 is located at Building 78 - Equipment for Family of Material #012, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 013 is located at Building 76 - Equipment for Family of Material #013, which is a

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miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 022 is located at Building 76 - Equipment for Family of Material #022, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 023 is located at Building 30 - Equipment for Family of Material #023, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 024 is located at Building 30 - Equipment for Family of Material #024, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 025 is located at Building 30 - Equipment for Family of Material #025, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF. This process operates out of building 30 and 78.

Process: 026 is located at Building 30 - Equipment for Family of Material #026, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 027 is located at Building 30 - Equipment for Family of Material #027, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 031 is located at Building 30 - This process represents FOM 031, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).

Process: 032 is located at Building 30 - Equipment for Family of Material #032, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF. This process operates out of buildings 30 and 78.

Process: 033 is located at Building 30 - Equipment for Family of Material #033, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF. This process operates out of buildings 30 and 78.

Process: 035 is located at Building 30 - Equipment for Family of Material #035, which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 036 is located at Building 30 - Equipment for Family of Material #036 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 037 is located at Building 30 - Equipment for Family of Material #037 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 039 is located at Building 37 - Equipment for Family of Material #039 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 040 is located at Building 76 - Equipment for Family of Material #040 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 042 is located at Building 30 - Equipment for Family of Material #042 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF. This process operates out of buildings 30 and 78.

Process: 043 is located at Building 30 - Equipment for Family of Material #043 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 045 is located at Building 30 - Equipment for Family of Material #045 which is a miscellaneous

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organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.
Process: 046 is located at Building 71 - Equipment for Family of Material #046 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.
Process: 047 is located at Building 71 - Equipment for Family of Material #047 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF. This process operates out of buildings 71 and 76.

Process: 048 is located at Building 71 - Equipment for Family of Material #048 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 049 is located at Building 71 - Equipment for Family of Material #049 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 051 is located at Building 71 - Equipment for Family of Material #051 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF.

Process: 054 is located at Building 71 - Equipment for Family of Material #054 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 055 is located at Building 71 - Equipment for Family of Material #055 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 061 is located at Building 32 - Equipment for Family of Material #061 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 064 is located at Building 32 - Equipment for Family of Material #064 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 066 is located at Building 76 - Equipment for Family of Material #066 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 76 and 78.

Process: 067 is located at Building 27 - Equipment for Family of Material #067 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 27, 35 and 70.

Process: 068 is located at Building 71 - Equipment for Family of Material #068 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 71 and 76.

Process: 071 is located at Building 24 - Equipment for Family of Material #071 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 072 is located at Building 71 - Equipment for Family of Material #072 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 073 is located at Building 21 - Equipment for Family of Material #073 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 21 and 35.

Process: 078 is located at Building 23 - Equipment for Family of Material #078 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.

Process: 080 is located at Building 23 - Equipment for Family of Material #080 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24, 24A and 71.

Process: 082 is located at Building 23 - Equipment for Family of Material #082 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.



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Process: 083 is located at Building 71 - Equipment for Family of Material #083 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 084 is located at Building 37 - Equipment for Family of Material #084 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 085 is located at Building 76 - Equipment for Family of Material #085 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 086 is located at Building 37 - Equipment for Family of Material #086 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 087 is located at Building 37 - Equipment for Family of Material #087 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 088 is located at Building 37 - Equipment for Family of Material #088 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 089 is located at Building 23 - Equipment for Family of Material #089 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.

Process: 090 is located at Building 61 - Equipment for Family of Material #090 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 61 and 62.

Process: 093 is located at Building 23 - Equipment for Family of Material #093 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 094 is located at Building 37 - Equipment for Family of Material #094 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 095 is located at Building 71 - Equipment for Family of Material #095 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 096 is located at Building 37 - Equipment for Family of Material #096 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 097 is located at Building 30 - Equipment for Family of Material #097 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 30 and 78.

Process: 099 is located at Building 78 - Equipment for Family of Material #099 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 100 is located at Building 37 - Equipment for Family of Material #100 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 101 Equipment for Family of Material #101 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 102 is located at Building 30 - Equipment for Family of Material #101 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 30 and 71.

Process: 103 is located at Building 71 - Equipment for Family of Material #103 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 105 is located at Building 30 - Equipment for Family of Material #105 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 106 is located at Building 24 - Equipment for Family of Material #106 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 24 and 37.

Process: 108 is located at Building 76 - Equipment for Family of Material #108 which is a miscellaneous

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organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 109 is located at Building 37 - Equipment for Family of Material #109 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 112 is located at Building 30 - Equipment for Family of Material #112 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 30, 37, 76 and 78.

Process: 113 is located at Building 37 - Equipment for Family of Material #113 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 37 and 76.

Process: 114 is located at Building 37 - Equipment for Family of Material #114 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 115 is located at Building 23 - Equipment for Family of Material #115 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.

Process: 116 is located at Building 78 - Equipment for Family of Material #116 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 117 is located at Building 71 - Equipment for Family of Material #117 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 119 is located at Building 23 - Equipment for Family of Material #119 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24, 24A and 71.

Process: 120 is located at Building 71 - Equipment for Family of Material #120 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 121 is located at Building 37 - Equipment for Family of Material #121 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 122 is located at Building 37 - Equipment for Family of Material #122 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 123 is located at Building 23 - Equipment for Family of Material #123 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.

Process: 124 is located at Building 37 - Equipment for Family of Material #124 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 125 is located at Building 37 - Equipment for Family of Material #125 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 127 is located at Building 37 - Equipment for Family of Material #127 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 128 is located at Building 24 - Equipment for Family of Material #128 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 24, 71 and 76.

Process: 129 is located at Building 37 - Equipment for Family of Material #129 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 130 is located at Building 37 - Equipment for Family of Material #130 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 131 is located at Building 78 - Equipment for Family of Material #131 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 132 is located at Building 78 - Equipment for Family of Material #132 which is a miscellaneous

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organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 133 is located at Building 78 - Equipment for Family of Material #133 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 134 is located at Building 78 - Equipment for Family of Material #134 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 135 is located at Building 76 - Equipment for Family of Material #135 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 137 is located at Building 30 - Equipment for Family of Material #137 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 139 is located at Building 71 - Equipment for Family of Material #139 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 141 is located at Building 30 - Equipment for Family of Material #141 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 142 is located at Building 31 - Equipment for Family of Material #142 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 143 is located at Building 30 - Equipment for Family of Material #143 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 146 is located at Building 34 - Equipment for Family of Material #146 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 148 is located at Building 30 - Equipment for Family of Material #148 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 149 is located at Building 30 - Equipment for Family of Material #149 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 150 is located at Building 76 - Equipment for Family of Material #150 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 151 is located at Building 71 - Equipment for Family of Material #151 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 152 is located at Building 71 - Equipment for Family of Material #152 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 153 is located at Building 71 - Equipment for Family of Material #153 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 154 is located at Building 71 - Equipment for Family of Material #154 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 156 is located at Building 71 - Equipment for Family of Material #156 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 158 is located at Building 76 - Equipment for Family of Material #158 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 160 is located at Building 30 - Equipment for Family of Material #160 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 161 is located at Building 30 - Equipment for Family of Material #161 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 162 is located at Building 30 - Equipment for Family of Material #162 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 30 and 78.
Process: 163 is located at Building 30 - Equipment for Family of Material #163 which is a miscellaneous

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organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 164 is located at Building 71 - Equipment for Family of Material #164 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 166 is located at Building 37 - Equipment for Family of Material #166 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 167 Equipment for Family of Material #167 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 168 is located at Building 23 - Equipment for Family of Material #168 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF. This process operates out of buildings 23, 24 and 24A.
Process: 172 is located at Building 37 - Equipment for Family of Material #172 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 183 is located at Building 32 - Equipment for Family of Material #183 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 184 is located at Building 37 - Equipment for Family of Material #184 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 185 is located at Building 71 - Equipment for Family of Material #185 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 186 is located at Building 30 - Equipment for Family of Material #186 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 187 is located at Building 30 - Equipment for Family of Material #187 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 188 is located at Building 31 - Equipment for Family of Material #188 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 189 is located at Building 30 - Equipment for Family of Material #189 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.
Process: 201 Heat exchange system. This process represents cooling water from heat exchange systems within the miscellaneous organic chemical manufacturing units (MCPUs) with C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).
Process: 202 Heat exchange system. This process represents cooling water from heat exchange systems within the miscellaneous organic chemical manufacturing units (MCPUs) within C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).
Process: 205 This process represents the management of Group 1 residues in containers. The Group 1 residues are generated by the miscellaneous organic chemical manufacturing units (MCPUs) in C-27035 that are regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).
Process: 206 A batch polymer kettle, PK-9 with condenser receiver vents when the kettle is filled (during charging and chemical additions) and when purging (during drying.) (4) Vacuum stripping with N2 purge
Process: 213 is located at Building 37 - This process represents the management of Group 1 process wastewater that is generated by miscellaneous chemical manufacturing units (MCPUs) that are regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).
Process: 2171 - the bulk product storage tanks acetoxycatalyst metering tanks and acetoxycatalyst feed hoppers vent

02 - bulk product storage tanks and packaging machine feed hoppers which contain sealant-x product

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04 - a caulker filling machine uses a small pressure vessel to fill caulkers with sealant.

Process: 400 is located at Building 34 - Equipment leaks. This process represents closed vent system, compressor, connector, pressure relief valve, pump, sampling connection, vessel and receiver, and valve leaks for the Methyl Chloride chemical manufacturing process unit.

Process: 401MCS to incinerators/scrubbers. This process consists of sources in the Methyl Chlorosilane operations area which vent to the waste incinerators, the MCS vent incinerator, or the MCS vent scrubber.

Process: 402 is located at Building 27 - Methanol storage tanks. Two storage tanks that supply Methanol to the Methyl Chloride reactors in building 34. Both tanks are equipped with an internal floating roof.

Process: 403 is located at Building 34 - Process wastewater. This process represents process wastewater from the Methyl Chloride chemical manufacturing process unit.

Process: 404 is located at Building 34 - Maintenance wastewater. This process represents maintenance wastewater from the Methyl Chloride chemical manufacturing process unit.

Process: 405 is located at Building 27 - Water scrubber, spent sulfuric storage tank and loading. Sulfuric acid fumes are vented from the head space of the spent sulfuric acid tank.

Process: 406Heat exchange system. This process represents cooling water from heat exchange systems within the Methyl Chloride chemical manufacturing process unit.

Process: 420LDH/Siloxane oil production. Insignificant emissions from the Cracker preheaters drain tank which receives water and Cyclic Siloxanes from preheaters on Crackers B C and D.

Process: 422RKI Normal Operation

Process: 423RKI Maintenance Operation.

Process: 424Fixed Box Normal Operation.

Process: 425Fixed Box Maintenance Operation.

Process: 700 is located at Building 62 - Tank farm. Insignificant emissions from 30,000 gallon storage tank 539. Tank has a continuous Nitrogen purge.

Process: 701Low boiling distillation and redistribution. This process consists of multiple distillation columns and two reactors in the low boiling distillation and redistribution area which vent to the waste incinerators or the MCS vent scrubber.

Process: 702MCS IV reactor purge. This process consists of a purge on a reactor vessel.

Process: 703MCS IV Methyl Chloride recovery column. This process consists of the MCS IV Methyl Chloride recovery column which vents to the MCS vent incinerator or the waste incinerator.

Process: 704 is located at Building 34 - Methanol recovery columns. Dual distillation columns which recover Methanol from water scrubber bottom product.

Process: 705This process consists of slurry and Silane tanks which vent when filled (working losses) to the waste incinerators as an alternate and equivalent means of control.

Process: 706 is located at Building 27 - HCl compressor and GDH start up. This process represents Hydrogen Chloride fume scrubber for GDH start ups.

Process: 707117/118 column system. Emissions from the 117/118 columns are transferred to the 547B knockout tank, where condensed vapors are collected. The remaining vapors are sent to an eductor water unit, where the gases are mixed with tempered water and are sent to the chemical sewer.

Process: 708 is located at Building 35 - LDH/Siloxanes oil production. This process represents distillation columns, crackers, Siloxane water removal systems, and neutralizer vents associated with LDH and Siloxanes oil production.

Process: 709MCS IV Silicon feed hoppers. This process consists of two fresh Silicon feed hoppers in the MCS IV operational area.

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Process: 710Column 114 B Mono/Tri column. This process consists of the 114 B distillation column which vents to the waste incinerators or to the MCS vent scrubber on startup.

Process: 715MQ Resins. Resins and polymers are held for further processing in a closed, stirred process kettle.

Process: 719East and West Hydrolyzers. The East and West Hydrolyzers vent to the East and West High Acid Scrubbers.

Process: 722East and south hydrolyzers. Emissions from the east and south hydrolyzers that vent to water scrubbers that discharge to the chem sewers.

Process: 723Batch Mixing The 225 gallon Day Mixer, the 500 Day Mixer, and the 500 gallon B-K Mixer vent through a common vacuum pump. The mixers are used to mix silicone.

Process: 724Batch Mixing The 3000 liter north and the 3000 liter south Drais mixers vent to venturi scrubbers during filler charges.

Process: 726East Sytem - This process consists of the East System Flter Press.

Process: 727West System - manufactures products such as auto polishes, masonry water repellent, impregnant for roofing granules, and process aids for rubber production. It is a batch system that is a hydrolysis system. Associated equipment includes a filter press.

Process: 730East resins. Under atmospheric conditions, emissions from a body kettle condenser vent. Emissions from the kettle can also go to a receiver vent.

Process: 731Transfer truck unloading. Tank wagon loading/unloading station.

Process: 7321M reactor. Local ventilation system used to remove Dimethylformamide vapors during filter rebuild.

Process: 7334000 PUFA. Methyl Styrene storage tank working losses.

Process: 737Chlorosilane distillation. This process consists of distillation columns in the Chlorosilane distillation area which vent to the MCS vent scrubber.

Process: 7413M hydrolyzer. A 3000 gallon multifunctional batch system used to manufacture various product grades. The hydrolyzer is used for hydrolysis reactions, cold mixes, and equilibrium processes. Associated equipment includes weigh tanks, drum/tanker charging, filters.

Process: 746Storage tanks - working losses. This process consists of working losses from storage tanks which vent to the MCS vent scrubber or the waste incinerators.

Process: 748TCS/FS to incinerators or scrubbers. This process consists of sources in the Tri-Chlorosilane and fumed Silica operating areas which vent to the waste incinerators or the MCS vent scrubbers.

Process: 749Waste treatment incinerators. This process consists of the Rotary Kiln Incinerator and the Fixed Box Incinerator no. 2 in the waste treatment plant.

Process: FINThis process represents the chemical manufacturing process sources that have been re-organized from the finishing emission unit (F-INISH) to C-27018 due to changes needed for compliance with MON requirements.

Emission unit C27035 - Emission unit C-27035 is comprised of several aboveground storage tanks which are used to store acids. The emission unit also contains three locations within the tank farm which allow for scrapping of acid to the chemical process sewer.

Emission unit C27035 is associated with the following emission points (EP):
27032, 27035, 27038

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

Process: 056 is located at Building 27 - Equipment for Family of Material #056 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

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Emission unit C61007 - Silicon grinding area and fines passivation area. In the silicon grinding area, silicon metal is ground, screened, and transferred to silos. In the fines passivation area, mixers are used to mix fines to neutralize and harden the material.

Emission unit C61007 is associated with the following emission points (EP):

61001, 61002, 61003, 61005, 61006, 61007, 61008, 61009, 61010, 61805

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

Process: 711 is located at Building 61 - Old Silicon grinding plant - unloads Silicon metal from rail cars to buffer silo. Silicon is fed from buffer silo to ball mill. Ball mill grinds Silicon and discharges ground powder to screener. Finished product is placed in silos; oversize material is recycled from screener to mill.

Process: GCC is located at Building 61 - Fines passivation. Fines are mixed with Lignin and water to neutralize and harden the material. Associated equipment is a bag dump station.

Emission unit C62008 - Chemops - MCSII, MCSIII and MCSIV operations. All equipment associated with the MCSII, MCSIII and MCSIV production operations, with the exception of the MCS vent scrubbers and MCS vent incinerator.

Emission unit C62008 is associated with the following emission points (EP):

55005, 55006, 57004, 62009, 62012, 65001

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

Process: 419MCS Hot oil furnaces with limits on #2 fuel oil.

Process: MCW is located at Building 62 - MCS-Tanks - Working Loss - This process consists of Working Losses from tanks in the MCS production operation.

Emission unit C62014 - This unit consists of sources in the trichlorosilanes (TCS) and fumed silica production areas.

Emission unit C62014 is associated with the following emission points (EP):

68001, 68002, 68003, 68004

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

Process: 407Fumed Silica scrubber. This process consists of a scrubber which removes Chlorine, Hydrogen Chloride, and Particulates.

Emission unit EGNRTR - This unit consists of emergency generators that operate less than 500 hours per year each.

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

28015, 28016, 28017, 51002, 51003, 80001, 80002, 85905, 86003, 86004, 93001, 95201, 95202, 96001, 96002

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

Process: 421 This process includes the operation of emergency generators.

Emission unit FINISH - Finishing - intermediate and final production of silicone products and materials including resins, fluids, dispersions, emulsions, heat curing elastomers, room temperature vulcanizing (rtv) elastomers, sealants, and treated fumed silica. Also includes various maintenance shops and individual maintenance sources (such as degreasers).

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

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21101, 23100, 24136, 24141, 24946, 24947, 27102, 28009, 29102, 30001, 30002, 32006, 32007, 32008, 32009, 32016, 32017, 32026, 32027, 32028, 32040, 32042, 32044, 32049, 32050, 33002, 33003, 33004, 33017, 33019, 33020, 33024, 33025, 33026, 33901, 33902, 33903, 33904, 33905, 33906, 37001, 37016, 37032, 37047, 37049, 37050, 37054, 37059, 37701, 37924, 37948, 37960, 41001, 41002, 41003, 42001, 42002, 42003, 42005, 42012, 42013, 42019, 42020, 61602, 61603, 71010, 71013, 76006, 76007, 76716, 78021, 78022, 78023, 78024, 85002, 85003, 85004, 85006, 85007, 85008, 85013, 85020, 85021, 85022, 85023, 85024, 85029, 85032, 85036, 85037, 85038, 85039, 85040, 85041, 85042, 85045, 85046, 85054, 85058, 85059, 85066, 85067, 85903, 85904, 97023

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

Process: 014 is located at Building 41 - This process represents FOM 014, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 015 is located at Building 41 - This process represents FOM 015, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 016 is located at Building 41 - This process represents FOM 016, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 017 is located at Building 41 - Equipment for Family of Material #017, which is a miscellaneous organix manufacutring unit (MCPU) that is regulated under 40 CFR Part 63, SubPart FFFF.

Process: 018 is located at Building 41 - This process represents FOM 018, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 019 is located at Building 41 - This process represents FOM 019, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 020 is located at Building 41 - This process represents FOM 020, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 029 is located at Building 85 - This process represents FOM 029, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 053 is located at Building 76 - This process represents FOM 053, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 057 is located at Building 42 - This process represents FOM 057, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 058 is located at Building 42 - This process represents FOM 058, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 059 is located at Building 42 - This process represents FOM 059, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 060 is located at Building 30 - This process represents FOM 060, which is a miscellaneous

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organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Building 30/42

Process: 063 is located at Building 30 - This process represents FOM 063, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Buildings 30/42

Process: 065 is located at Building 30 - This process represents FOM 065, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Buildings 30/42

Process: 069 is located at Building 76 - This process represents FOM 069, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 076 is located at Building 30 - This process represents FOM 076, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 077 is located at Building 30 - This process represents FOM 077, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 081 is located at Building 37 - This process represents FOM 081, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 092 is located at Building 71 - This process represents FOM 092, which is a miscellaneous organic chemical manufacturing unit (MCPU) that is regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing)

Process: 136 is located at Building 30 - Equipment for Family of material #136 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 155 is located at Building 78 - Equipment for Family of Material #155 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 157 is located at Building 32 - Equipment for Family of Material #157 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 159 is located at Building 42 - Equipment for Family of Material #159 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 165 is located at Building 41 - Equipment for Family of Material #165 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 169 is located at Building 76 - Equipment for Family of Material #169 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 173 is located at Building 78 - Equipment for Family of Material #173 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 175 is located at Building 85 - Equipment for Family of Material #175 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 176 is located at Building 30 - Equipment for Family of Material #176 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

Process: 177 is located at Building 30 - Equipment for Family of Material #177 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Part 63 Subpart FFFF.

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Process: 178 is located at Building 30 - Equipment for Family of Material #178 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Oart 63 Subpart FFFF.

Process: 179 is located at Building 30 - Equipment for Family of Material #179 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Oart 63 Subpart FFFF.

Process: 180 is located at Building 78 - Equipment for Family of Material #180 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Oart 63 Subpart FFFF.

Process: 181 is located at Building 78 - Equipment for Family of Material #181 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Oart 63 Subpart FFFF.

Process: 182 is located at Building 85 - Equipment for Family of Material #182 which is a miscellaneous organic manufacturing unit (MCPU) that is regulated under 40 CFR Oart 63 Subpart FFFF.

Process: 207This process represents the management of Group 1 wastewater in individual drain systems. The Group 1 wastewater streams are generated by the miscellaneous organic chemical manufacturing units (MCPUs) in C-27018 that are regulated under 40 CFR Part 63, Subpart FFFF (Miscellaneous Organic Chemical Manufacturing).

Process: 21801 - catalyst vapors emitted by material in purge drums waste drums screening operations drum weigh 02 - CaCO_3 &/or TiO_2 is fed continuously from gravity feeders 898-424-0067 to inlet hopper on 03 - "packaged" piped vacuum cleaning system (898-451-003) for housekeeping in processing areas of 04 - vent from the beringer oven

Process: 219Untreated filler is conveyed via a moving air stream to this silo displaced air from the silo is filtered and vented to atmosphere

Process: 712South resins. During the vacuum process, emissions from a body kettle condenser pass through a receiver to a vacuum eductor and out to the atmosphere.

Process: 713East resins. During the vacuum process, emissions from a body kettle condenser pass through a receiver to a vacuum eductor and out to the atmosphere.

Process: 714Doughmixer area - doughmixers #5,6,7,8, and 9 vent to a condenser and a receiver vent. The doughmixers are batch mixers used in the production of various products.

Process: 716Doughmixer area - doughmixers #3,5,6,7,8, and 9 vent to a hood. The doughmixers are batch mixers used in the production of various products.

Process: 717Treater filler kettle - treater filler kettle is used to treat raw filler with HMDZ. HMDZ vapors are discharged to receiver and ultimately to a packed tower scrubber. Tank wagon emissions also vented to scrubber.

Process: 7181500 Phenyl reactor (Diol and Tetramer). A batch system used to manufacture phenyl diol and Pheny Tetramer.

Process: 720Treater Filler Kettles The Methyl Tetramer (D4) recovery system consists of a vapor condensing tower, a D4 circulating tank, a knock out pot, and a light-ends weigh tank. D4 vapor and Nitrogen are released from treated filler kettles and transferred to the recovery system.

Process: 721Treater Filler Kettles Treater filler kettles are used to treat raw fillers with Methyl Tetramer. Methyl Tetramer vapors are discharged to a condenser/receiver system.

Process: 7281M Fluorosilicone reactor. A 1000 gallon batch system used to manufacture Fluorosilicone Polysiloxane. The process consists of two steps: production of 88536 followed by hydrolysis. Major equipment includes a reactor, weigh tank, and two receivers.

Process: 729Transfer truck unloading. Tank wagon loading/unloading station.

Process: 7344000 PUFA. This process consists of a 1-Hexene process tank.

Process: 735East and West Systems - Standing losses from atmospheric storage tanks. The tanks are used to store Acetyl Chloride waste, Silane blend, and propyltriacetoxysilane (PTAS).

Process: 736East and West Systems - Working losses from atmospheric storage tanks. The tanks are

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used to store Acetyl Chloride waste, Silane blend, and propyltriacetoxysilane (PTAS).

Process: 738 Working losses from the four pigment tanks are used to store liquid pigment dispersions. The vessels vent to the atmosphere when the vessels are charged from the drums the vessels vent to a common conservation vent header.

Process: 739 Standing storage losses from four pigment tanks are used to store liquid pigment dispersions. The vessels vent to the atmosphere when the vessels are charged from the drums. The vessels vent to a common conservation vent header.

Process: 740 WP2, WP3 Tanks - This process represents working losses from volatile organic liquid storage tanks used in the WP-2 and WP-3 operations. Tanks are under pressure or have a Nitrogen blanket.

Process: BMD Molding Compound Area Solids handling operations, including dust collectors for grinding operations and exhaust hoods, blending and extruding, and bag slitting. Associated equipment includes mixers, extruders, grinders, and blenders.

Process: DEG Maintenance shops - Cold cleaning solvent degreasing units that use a petroleum distillate solvent.

Process: FFR Eductor system. Insignificant emissions from the Phenyl Tetramer eductor system.

Process: TKC Transfer and Blending. Working losses from Tank 538. The tank is under a Nitrogen pad/dapad system.

Process: TKD Transfer and Blending. Working losses from Isopropanol storage tank.

Process: TKE Transfer and Blending. Standing storage losses from Isopropanol storage tank.

Process: WPF is located at Building 30 - Fugitive emissions WP1, & WP4.

Emission unit HOFURN - This unit consists of additional hot oil furnaces not already included in another emission unit.

Emission unit HOFURN is associated with the following emission points (EP):
21012, 35027, 62016, 85063

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

Process: 418 This process includes the operation of hot oil furnaces.

Emission unit T13004 - Vapors and particulates are vented to the atmosphere outside of building 13 at different emissions points. These include process, filter, and local extraction discharges.

Emission unit T13004 is associated with the following emission points (EP):
13004, 13006

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

Process: 742 Process development. Emissions from siloxanes passing from the compounder to the LIM after-condenser at location 4A.

Process: 743 Process development. Volatiles stripped from the LIM during compounding and cooling pass through the shared LIM after-condenser at location 4C.

Emission unit U28002 - Emission Unit U28002 consists of Boilers 13 and 18 and a #2 Fuel Oil storage tank.

Emission unit U28002 is associated with the following emission points (EP):
28002, 28006, 28020

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

Process: 408 Boiler 13 - Natural gas combustion.

Process: 409 Boiler 13 - Number 6 fuel oil combustion.

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Process: 410Boiler 18 - natural gas combustion.

Process: 411 is located at Building 28 - #2 fuel oil combustion for boiler #18

Emission unit U28003 - Emission Unit U28003 consists of boilers 14, 15, 16, and 17.

Emission unit U28003 is associated with the following emission points (EP):
28003, 28004, 28005

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

Process: 412Boilers 15 - number 6 fuel oil combustion.

Process: 413 is located at Building 28 - Boiler 15 - Natural gas combustion.

Process: 414 is located at Building 28 - Boiler 14 - Number 6 fuel oil combustion.

Process: 415 is located at Building 28 - Boiler 14 - Natural gas combustion.

Process: 416 is located at Building 28 - Boiler 17 - Natural gas combustion.

Process: 417 is located at Building 28 - Boiler 16 - Natural gas combustion.

Emission unit W97004 - This Emission Unit is the wastewater treatment process system of the waste handling area. The wastewater treatment plant is a physical/chemical treatment system consisting of pH neutralization, oil and grease separation, clarification, and air stripping operations.

Emission unit W97004 is associated with the following emission points (EP):

95002, 97004, 97005, 97008, 97011, 97012, 97017, 97020, 97021, 97041, 97042, 97043, 97047,
97048, 97049

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

Process: 744Underground storage tanks receiving acidic aqueous polar and non-polar solvent containing wastewater via sewer pipe.

Process: 745Waste Water Treatment Plant - 5,000 gallon neutralization tank which receives non-aqueous phase material and neutralizes it with KOH.

Title V/Major Source Status

MOMENTIVE PERFORMANCE MATERIALS is subject to Title V requirements. This determination is based on the following information:

This facility is major for the following permitted emissions:

CONTAMINANT	PERMITTED EMISSION RANGE
VOC	>250 TPY
CO	>250 TPY
PM	>250 TPY
PM-10	>250 TPY
SO2	>250 TPY
NOx	>250 TPY
SPECIATED HAPS	
BENZENE	>10 TPY
CHLORINE	>10 TPY
COBALT	>10 TPY
1,1,1-TRICHLOROETHANE	>10 TPY
ETHYLBENZENE	>10 TPY

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HEXANE >10 TPY
 HYDROGEN CHLORIDE >10 TPY
 METHYL ALCOHOL >10 TPY
 METHYL CHLORIDE >10 TPY
 TOLUENE >10 TPY
 XYLENE >10 TPY
 TOTAL HAPS >250 TPY

Program Applicability

The following chart summarizes the applicability of MOMENTIVE PERFORMANCE MATERIALS with regards to the principal air pollution regulatory programs:

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

NOTES:

PSD Prevention of Significant Deterioration (40 CFR 52) - 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

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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 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



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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
2819	INDUSTRIAL INORGANIC CHEMICALS
2821	PLASTICS MATERIALS AND RESINS
2822	SYNTHETIC RUBBER
2869	INDUSTRIAL ORGANIC CHEMICALS, NEC

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
3-01-840-01	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - GENERAL PROCESSES Distillation Units
3-01-070-02	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - INORGANIC CHEMICAL MANUFACTURING (GENERAL) Storage/Transfer
3-01-999-99	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - OTHER NOT CLASSIFIED Specify in Comments Field
3-01-018-47	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - PLASTICS PRODUCTION Epoxy Resins
3-01-026-99	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - SYNTHETIC RUBBER (MANUFACTURING ONLY) Other Not Classified
3-01-026-30	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - SYNTHETIC RUBBER (MANUFACTURING ONLY) Silicone Rubber
3-01-820-10	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - WASTEWATER AGGREGATE CHEMICAL PLANT WASTEWATER SYSTEM: CLARIFIER
3-85-001-10	COOLING TOWER COOLING TOWER - PROCESS COOLING OTHER NOT SPECIFIED
1-02-005-03	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL <10MMBTU/HR **
1-02-005-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL Grades 1 and 2 Oil
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL



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	INDUSTRIAL BOILER - NATURAL GAS
	10-100 MMBtu/Hr
1-02-006-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL
	INDUSTRIAL BOILER - NATURAL GAS
	Over 100 MBtu/Hr
1-02-004-01	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL
	INDUSTRIAL BOILER - RESIDUAL OIL
	Grade 6 Oil
2-01-001-02	INTERNAL COMBUSTION ENGINES - ELECTRIC GENERATION
	ELECTRIC UTILITY INTERNAL COMBUSTION ENGINE - DISTILLATE OIL
	(DIESEL)
	Reciprocating
6-84-800-01	MACT MISCELLANEOUS PROCESSES (CHEMICALS)
	MACT MISC PROCESSES (CHEMICALS) - EQUIPMENT LEAKS
	EQUIPMENT LEAKS
3-05-102-99	MINERAL PRODUCTS
	MINERAL PRODUCTS - BULK MATERIALS STORAGE BINS
	Other Not Classified
3-99-999-94	MISCELLANEOUS MANUFACTURING INDUSTRIES
	MISCELLANEOUS INDUSTRIAL PROCESSES
	Other Not Classified
4-07-999-97	ORGANIC CHEMICAL STORAGE
	ORGANIC CHEMICAL STORAGE - MISCELLANEOUS
	Specify in Comments
4-07-999-98	ORGANIC CHEMICAL STORAGE
	ORGANIC CHEMICAL STORAGE - MISCELLANEOUS
	Specify in Comments
4-01-002-99	ORGANIC SOLVENT EVAPORATION
	ORGANIC SOLVENT EVAPORATION - DEGREASING
	OTHER NOT CLASSIFIED - OPEN-TOP VAPOR DEGREASING
4-90-002-06	ORGANIC SOLVENT EVAPORATION
	ORGANIC SOLVENT EVAPORATION WASTE SOLVENT RECOVERY
	OPERATIONS
	Fugitive Leaks
5-03-007-01	SOLID WASTE DISPOSAL - INDUSTRIAL
	SOLID WASTE DISPOSAL: INDUSTRIAL - LIQUID WASTE
	General

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

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Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000075-65-0	2-METHYL-2-PROPANOL	> 0	but < 2.5 tpy
000092-52-4	1, 1 BIPHENYL (HAP)	> 0	but < 10 tpy
000079-34-5	1,1,2,2-TETRACHLOROETHANE (HAP)	> 0	but < 10 tpy
000057-14-7	1,1-DIMETHYL HYDRAZINE (HAP)	> 0	but < 10 tpy
000120-82-1	1,2,4-TRICHLOROBENZENE (HAP)	> 0	but < 10 tpy
000084-74-2	1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER (HAP)	> 0	but < 10 tpy
000120-80-9	1,2-BENZENEDIOL (HAP)	> 0	but < 10 tpy
000107-06-2	1,2-DICHLOROETHANE (HAP)	> 0	but < 10 tpy
000107-21-1	1,2-ETHANEDIOL (HAP)	> 0	but < 10 tpy
000108-38-3	1,3 DIMETHYL BENZENE (HAP)	> 0	but < 10 tpy
000095-80-7	1,3-BENZENEDIAMINE, 4-METHYL- (HAP)	> 0	but < 10 tpy
000106-99-0	1,3-BUTADIENE (HAP)	> 0	but < 10 tpy
000126-99-8	1,3-BUTADIENE, 2-CHLORO- (HAP)	> 0	but < 10 tpy
000085-44-9	1,3-ISOBENZOFURANDIONE (HAP)	> 0	but < 10 tpy
000123-31-9	1,4-BENZENEDIOL (HAP)	> 0	but < 10 tpy
000123-91-1	1,4-DIETHYLENE DIOXIDE (HAP)	> 0	but < 10 tpy
000098-86-2	1-PHENYLETHANONE (HAP)	> 0	but < 10 tpy
000542-75-6	1-PROPENE, 1,3-DICHLORO- (HAP)	> 0	but < 10 tpy
000121-14-2	2,4, DINITRO TOLUENE (HAP)	> 0	but < 10 tpy
000051-28-5	2,4, DINITROPHENOL (HAP)	> 0	but < 10 tpy
000088-06-2	2,4,6 TRICHLOROPHENOL (HAP)	> 0	but < 10 tpy
000108-31-6	2,5 - FURANDIONE (HAP)	> 0	but < 10 tpy
000053-96-3	2-ACETYLAMINOFLUORENE (HAP)	> 0	but < 10 tpy
000078-59-1	2-CYCLOHEXEN-1-ONE, 3,5,5-TRIMETHYL (HAP)	> 0	but < 10 tpy
000095-48-7	2-METHYL-PHENOL (HAP)	> 0	but < 10 tpy
000108-10-1	2-PENTANONE, 4-METHYL (HAP)	> 0	but < 10 tpy
000079-10-7	2-PROPENOIC ACID (HAP)	> 0	but < 10 tpy
000140-88-5	2-PROPENOIC ACID, ETHYL ESTER (HAP)	> 0	but < 10 tpy
000119-90-4	3,3'-DIMETHOXYBENZIDINE (HAP)	> 0	but < 10 tpy
000107-05-1	3-CHLORO-1-PROPENE (HAP)	> 0	but < 10 tpy
000101-77-9	4,4'-DIAMINODIPHENYLMETHANE (HAP)	> 0	but < 10 tpy
000101-14-4	4,4-METHYLENE BIS (2-CHLOROANILINE) (HAP)	> 0	but < 10 tpy
0NY502-00-0	40 CFR 60-63 - TOTAL ORGANIC COMPOUNDS (TOC)	>= 250	tpy
000060-11-7	4-DIMETHYLAMINOAZOBENZENE (HAP)	> 0	but < 10 tpy
000092-93-3	4-NITROBIPHENYL (HAP)	> 0	but < 10 tpy
000075-07-0	ACETALDEHYDE (HAP)	> 0	but < 10 tpy
000060-35-5	ACETAMIDE (HAP)	> 0	but < 10 tpy
000064-19-7	ACETIC ACID	>= 250	tpy
000108-05-4	ACETIC ACID ETHENYL ESTER (HAP)	> 0	but < 10 tpy
000079-11-8	ACETIC ACID, CHLORO (HAP)	> 0	but < 10 tpy
000075-05-8	ACETONITRILE (HAP)	> 0	but < 10 tpy
000075-36-5	ACETYL CHLORIDE	>= 250	tpy
000107-02-8	ACROLEIN (HAP)	> 0	but < 10 tpy
000532-27-4	ALPHA-CHLOROACETOPHENONE (HAP)	> 0	but < 10 tpy
007664-41-7	AMMONIA	>= 250	tpy
000062-53-3	ANILINE (HAP)	> 0	but < 10 tpy

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007440-36-0	ANTIMONY (HAP)	> 0 but < 10 tpy
007440-38-2	ARSENIC (HAP)	> 0 but < 10 tpy
001332-21-4	ASBESTOS (HAP)	> 0 but < 10 tpy
000075-55-8	AZIRIDINE, 2-METHYL (HAP)	> 0 but < 10 tpy
000090-04-0	BENZENAMINE, 2-METHOXY (HAP)	> 0 but < 10 tpy
000095-53-4	BENZENAMINE, 2-METHYL (HAP)	> 0 but < 10 tpy
000121-69-7	BENZENAMINE, N, N-DIMETHYL (HAP)	> 0 but < 10 tpy
000071-43-2	BENZENE (HAP)	>= 10 tpy
000098-82-8	BENZENE, (1-METHYLETHYL) (HAP)	> 0 but < 10 tpy
000106-46-7	BENZENE, 1,4-DICHLORO- (HAP)	> 0 but < 10 tpy
000584-84-9	BENZENE, 2,4-DIISO CYANATO-1-METHYL- (HAP)	> 0 but < 10 tpy
000098-07-7	BENZENE, TRICHLOROMETHYL (HAP)	> 0 but < 10 tpy
000095-47-6	BENZENE, 1,2-DIMETHYL (HAP)	> 0 but < 10 tpy
000092-87-5	BENZIDINE (HAP)	> 0 but < 10 tpy
000100-44-7	BENZYL CHLORIDE (HAP)	> 0 but < 10 tpy
007440-41-7	BERYLLIUM (HAP)	> 0 but < 10 tpy
000057-57-8	BETA-PROPIOLACTONE (HAP)	> 0 but < 10 tpy
000117-81-7	BIS (2-ETHYLHEXYL) PHTHALATE (HAP)	> 0 but < 10 tpy
000075-25-2	BROMOFORM (HAP)	> 0 but < 10 tpy
007440-43-9	CADMIUM (HAP)	> 0 but < 10 tpy
000133-06-2	CAPTAN (HAP)	> 0 but < 10 tpy
000051-79-6	CARBAMIC ACID, ETHY ESTER (HAP)	> 0 but < 10 tpy
000079-44-7	CARBAMIC CHLORIDE, DIMETHYL (HAP)	> 0 but < 10 tpy
000075-15-0	CARBON DISULFIDE (HAP)	> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE	>= 250 tpy
000056-23-5	CARBON TETRACHLORIDE (HAP)	> 0 but < 10 tpy
000463-58-1	CARBONYL SULFIDE (HAP)	> 0 but < 10 tpy
000133-90-4	CHLORAMBEN (HAP)	> 0 but < 10 tpy
016887-00-6	CHLORIDE ION CL-	> 0 but < 2.5 tpy
007782-50-5	CHLORINE (HAP)	>= 10 tpy
000108-90-7	CHLOROBENZENE (HAP)	> 0 but < 10 tpy
000067-66-3	CHLOROFORM (HAP)	> 0 but < 10 tpy
007738-94-5	CHROMIC ACID (HAP)	> 0 but < 10 tpy
007440-47-3	CHROMIUM (HAP)	> 0 but < 10 tpy
007440-48-4	COBALT (HAP)	>= 10 tpy
000091-44-1	COUMARIN, 7- (DIETHYLAMINO) -4-METHYL-	>= 2.5 tpy but < 10 tpy
001319-77-3	CRESYLIC ACID (HAP)	> 0 but < 10 tpy
000156-62-7	CYANAMIDE, CALCIUM SALT (1:1) (HAP)	> 0 but < 10 tpy
000057-12-5	CYANIDE (HAP)	> 0 but < 10 tpy
000334-88-3	DIAZOMETHANE (HAP)	> 0 but < 10 tpy
000132-64-9	DIBENZOFURAN (HAP)	> 0 but < 10 tpy
000075-09-2	DICHLOROMETHANE (HAP)	> 0 but < 10 tpy
000131-11-3	DIMETHYL PHTHALATE (HAP)	> 0 but < 10 tpy
000067-64-1	DIMETHYL KETONE	>= 250 tpy
000075-78-5	DIMETHYLDICHLOROSILANE	> 0 but < 2.5 tpy
022431-89-6	DIOXANE, 1,2- 3,3,6,6-TETRAMETHYL	> 0 but < 2.5 tpy
000071-55-6	ETHANE, 1,1,1-TRICHLORO (HAP)	>= 10 tpy
000079-00-5	ETHANE, 1,1,2-TRICHLORO (HAP)	> 0 but < 10 tpy
000075-34-3	ETHANE, 1,1-DICHLORO- (HAP)	> 0 but < 10 tpy
000111-44-4	ETHANE, 1,1'-OXYBIS 2-CHLORO (HAP)	> 0 but < 10 tpy
000106-93-4	ETHANE, 1,2-DIBROMO (HAP)	> 0 but < 10 tpy
000075-00-3	ETHANE, CHLORO (HAP)	> 0 but < 10 tpy
000067-72-1	ETHANE, HEXACHLORO (HAP)	> 0 but < 10 tpy
000111-42-2	ETHANOL, 2,2'-IMINOBIS- (HAP)	> 0 but < 10 tpy

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000110-80-5	ETHANOL, 2-ETHOXY- (HAP)	> 0 but < 10 tpy
000075-35-4	ETHENE, 1,1-DICHLORO (HAP)	> 0 but < 10 tpy
000510-15-6	ETHYL 4,4'-DICHLOROBENZILATE (HAP)	> 0 but < 10 tpy
000064-17-5	ETHYL ALCOHOL (ETHANOL)	>= 250 tpy
000106-88-7	ETHYL OXIRANE (HAP)	> 0 but < 10 tpy
000100-41-4	ETHYLBENZENE (HAP)	>= 10 tpy
000079-06-1	ETHYLENE CARBOXAMIDE (HAP)	> 0 but < 10 tpy
000075-21-8	ETHYLENE OXIDE (HAP)	> 0 but < 10 tpy
000096-45-7	ETHYLENE THIOUREA (HAP)	> 0 but < 10 tpy
000151-56-4	ETHYLENEIMINE (HAP)	> 0 but < 10 tpy
000050-00-0	FORMALDEHYDE (HAP)	> 0 but < 10 tpy
000068-12-2	FORMAMIDE, N,N-DIMETHYL (HAP)	> 0 but < 10 tpy
0NY100-00-0	HAP	>= 250 tpy
000076-44-8	HEPTACHLOR (HAP)	> 0 but < 10 tpy
000118-74-1	HEXACHLORO BENZENE (HAP)	> 0 but < 10 tpy
000087-68-3	HEXACHLOROBUTADIENE (HAP)	> 0 but < 10 tpy
000077-47-4	HEXACHLOROCYCLOPENTADIENE (HAP)	> 0 but < 10 tpy
000541-05-9	HEXAMETHYLCYCLOTETRISILOXANE	>= 250 tpy
000999-97-3	HEXAMETHYLDISILAZANE	>= 250 tpy
000107-46-0	HEXAMETHYLDISILOXANE	>= 250 tpy
000110-54-3	HEXANE (HAP)	>= 10 tpy
000822-06-0	HEXANE, 1,6-DIISOCYANATO- (HAP)	> 0 but < 10 tpy
000302-01-2	HYDRAZINE (HAP)	> 0 but < 10 tpy
001333-74-0	HYDROGEN	>= 250 tpy
007647-01-0	HYDROGEN CHLORIDE (HAP)	>= 10 tpy
007664-39-3	HYDROGEN FLUORIDE (HAP)	> 0 but < 10 tpy
000122-66-7	HYRAZINE, 1,2 - DIPHENYL (HAP)	> 0 but < 10 tpy
000067-63-0	ISOPROPYL ALCOHOL	>= 250 tpy
007439-92-1	LEAD (HAP)	> 0 but < 10 tpy
001309-60-0	LEAD DIOXIDE (HAP)	> 0 but < 10 tpy
007439-96-5	MANGANESE (HAP)	> 0 but < 10 tpy
007439-97-6	MERCURY (HAP)	> 0 but < 10 tpy
000062-75-9	METHANAMINE, N-METHYL-N-NITROSO (HAP)	> 0 but < 10 tpy
000542-88-1	METHANE, OXYBIS (CHLORO) (HAP)	> 0 but < 10 tpy
000072-43-5	METHOXYCHLOR (HAP)	> 0 but < 10 tpy
000080-62-6	METHYL ACRYLIC ACIDMETHYL ESTER (HAP)	> 0 but < 10 tpy
000067-56-1	METHYL ALCOHOL (HAP)	>= 10 tpy
000074-83-9	METHYL BROMIDE (HAP)	> 0 but < 10 tpy
000074-87-3	METHYL CHLORIDE (HAP)	>= 10 tpy
000107-30-2	METHYL CHLOROMETHYLETHER (HAP)	> 0 but < 10 tpy
000078-93-3	METHYL ETHYL KETONE	> 0 but < 10 tpy
000060-34-4	METHYL HYDRAZINE (HAP)	> 0 but < 10 tpy
000074-88-4	METHYL IODIDE (HAP)	> 0 but < 10 tpy
000624-83-9	METHYL ISOCYANATE (HAP)	> 0 but < 10 tpy
001634-04-4	METHYL TERTBUTYL ETHER (HAP)	> 0 but < 10 tpy
000101-68-8	METHYLENE BISPHENYL ISOCYANATE (HAP)	> 0 but < 10 tpy
000075-79-6	METHYLTRICHLOROSILANE	>= 250 tpy
001185-55-3	METHYLTRIMETHOXYSILANE	>= 250 tpy
000121-44-8	N,N-DIETHYL ETHANAMINE (HAP)	> 0 but < 10 tpy
000091-20-3	NAPHTHALENE (HAP)	> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS (HAP)	> 0 but < 10 tpy
000098-95-3	NITROBENZENE (HAP)	> 0 but < 10 tpy
010102-44-0	NITROGEN DIOXIDE	>= 250 tpy
000059-89-2	NITROSOMORPHOLINE (HAP)	> 0 but < 10 tpy
000684-93-5	NITROSO-N-METHYLUREA (HAP)	> 0 but < 10 tpy
000556-67-2	OCTAMETHYLCYCLOTETRA SILOXANE	>= 250 tpy
000119-93-7	O-TOLIDINE (HAP)	> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN	>= 250 tpy

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000106-89-8	OXIRANE, (CHLOROMETHYL) (HAP)	> 0 but < 10 tpy
000092-67-1	P-AMINODIPHENYL (HAP)	> 0 but < 10 tpy
000100-02-7	PARA-NITROPHENOL (HAP)	> 0 but < 10 tpy
0NY075-00-0	PARTICULATES	>= 250 tpy
000082-68-8	PENTACHLORONITROBENZENE (HAP)	> 0 but < 10 tpy
000540-84-1	PENTANE, 2,2,4-TRIMETHYL- (HAP)	> 0 but < 10 tpy
000127-18-4	PERCHLOROETHYLENE (HAP)	> 0 but < 10 tpy
000108-95-2	PHENOL (HAP)	> 0 but < 10 tpy
000534-52-1	PHENOL, 2-METHYL-4,6-DINITRO (HAP)	> 0 but < 10 tpy
000108-39-4	PHENOL, 3-METHYL (HAP)	> 0 but < 10 tpy
000106-44-5	PHENOL, 4-METHYL (HAP)	> 0 but < 10 tpy
000087-86-5	PHENOL, PENTACHLORO (HAP)	> 0 but < 10 tpy
007803-51-2	PHOSPHINE (HAP)	> 0 but < 10 tpy
000062-73-7	PHOSPHORIC ACID, 2,2-DICHLOROETHENYL DIMETHYL ESTER (HAP)	> 0 but < 10 tpy
000680-31-9	PHOSPHORIC TRIAMIDE, HEXAMETHYL (HAP)	> 0 but < 10 tpy
007723-14-0	PHOSPHORUS (YELLOW) (HAP)	> 0 but < 10 tpy
0NY075-00-5	PM-10	>= 250 tpy
001336-36-3	POLYCHLORINATED BIPHENYL (HAP)	> 0 but < 10 tpy
000106-50-3	P-PHENYLENEDIAMINE (HAP)	> 0 but < 10 tpy
001120-71-4	PROPANE SULTONE (HAP)	> 0 but < 10 tpy
000096-12-8	PROPANE, 1,2-DIBROMO-3-CHLORO (HAP)	> 0 but < 10 tpy
000078-87-5	PROPANE, 1,2-DICHLORO (HAP)	> 0 but < 10 tpy
000075-56-9	PROPANE, 1,2-EPOXY- (HAP)	> 0 but < 10 tpy
000079-46-9	PROPANE, 2-NITRO (HAP)	> 0 but < 10 tpy
000107-13-1	PROPENITRILE (HAP)	> 0 but < 10 tpy
000123-38-6	PROPIONALDEHYDE (HAP)	> 0 but < 10 tpy
000091-22-5	QUINOLINE (HAP)	> 0 but < 10 tpy
000106-51-4	QUINONE (HAP)	> 0 but < 10 tpy
010043-92-2	RADON (HAP)	> 0 but < 10 tpy
007782-49-2	SELENIUM (HAP)	> 0 but < 10 tpy
068479-14-1	SILANE, CHLORO METHYL DERIVS	>= 250 tpy
001719-58-0	SILANE, CHLOROETHENYLDIMETHYL	> 0 but < 2.5 tpy
000124-70-9	SILANE, DICHLOROETHENYLMETHYL	> 0 but < 2.5 tpy
001112-39-6	SILANE, DIMETHOXYDIMETHYL	> 0 but < 2.5 tpy
000075-94-5	SILANE, TRICHLOROETHENYL	> 0 but < 2.5 tpy
000993-07-7	SILANE, TRIMETHYL-	>= 250 tpy
001066-35-9	SILANE, CHLORODIMETHYL	> 0 but < 2.5 tpy
063148-62-9	SILOXANES AND SILICONES, DI-ME	>= 250 tpy
000100-42-5	STYRENE (HAP)	> 0 but < 10 tpy
000096-09-3	STYRENE OXIDE (HAP)	> 0 but < 10 tpy
007446-09-5	SULFUR DIOXIDE	>= 250 tpy
000064-67-5	SULFURIC ACID, DIETHYL ESTER (HAP)	> 0 but < 10 tpy
000077-78-1	SULFURIC ACID, DIMETHYL ESTER (HAP)	> 0 but < 10 tpy
010026-04-7	TETRACHLORO SILANE	> 0 but < 2.5 tpy
007550-45-0	TITANIUM TETRACHLORIDE (HAP)	> 0 but < 10 tpy
000108-88-3	TOLUENE (HAP)	>= 10 tpy
000079-01-6	TRICHLOROETHYLENE (HAP)	> 0 but < 10 tpy
000095-95-4	TRICHLOROPHENOL, 2,4,5 (HAP)	> 0 but < 10 tpy
000593-60-2	VINYL BROMIDE (HAP)	> 0 but < 10 tpy
000075-01-4	VINYL CHLORIDE (HAP)	> 0 but < 10 tpy
0NY998-00-0	VOC	>= 250 tpy
001330-20-7	XYLENE, M, O & P MIXT. (HAP)	>= 10 tpy
000106-42-3	XYLENE, PARA- (HAP)	> 0 but < 10 tpy

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

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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 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

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201-6.3(d)(12)

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

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

The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

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

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

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

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

Item 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)

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

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

Item 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.

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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, 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

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applicable requirement, including any provisions designed to limit a facility's potential to emit, are enforceable by the Administrator and citizens under the Act. The Department has, in this permit, specifically designated any terms and conditions that are not required under the Act or under any of its applicable requirements as being enforceable under only state regulations.

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS

Item A: General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5

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

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

Regulatory Analysis

Location Facility/EU/EP/Process/ES	Regulation	Short Description	Condition
FACILITY	ECL 19-0301	Powers and Duties of the Department with respect to air pollution control	481
FACILITY	40CFR 52-A.21	Prevention of Significant Deterioration	27, 28, 29, 30, 34, 35, 36, 37
FACILITY	40CFR 60-A.11	General provisions - compliance with standards and maintenance requirements	112
FACILITY	40CFR 60-A.11 (d)	General provisions - compliance with standards and maintenance requirements	113

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FACILITY	40CFR 60-A.12	General provisions - Circumvention	114
FACILITY	40CFR 60-A.13 (a)	General provisions -	115
FACILITY	40CFR 60-A.13 (d)	Monitoring requirements General provisions -	116
FACILITY	40CFR 60-A.13 (e)	Monitoring requirements General provisions -	117
FACILITY	40CFR 60-A.13 (h)	Monitoring requirements General provisions -	118
FACILITY	40CFR 60-A.4	General provisions - Address	106
FACILITY	40CFR 60-A.7 (a)	Notification and Recordkeeping	107
FACILITY	40CFR 60-A.7 (b)	Notification and Recordkeeping	108
FACILITY	40CFR 60-A.7 (c)	Notification and Recordkeeping	109
FACILITY	40CFR 60-A.7 (d)	Notification and Recordkeeping	110
FACILITY	40CFR 60-A.7 (f)	Notification and Recordkeeping	111
FACILITY	40CFR 60-Db.43b(f)	Standard for Particulate Matter Opacity.	119
FACILITY	40CFR 60-Db.43b(g)	Standard for Particulate Matter Exemption.	120
FACILITY	40CFR 60-Db.44b(a) (1)	Standard for Nitrogen Oxides Firing Natural Gas and Distillate Oil. (see narrative)	121
FACILITY	40CFR 60-Db.44b(h)	Standards for Nitrogen Oxides Provisions.	122
FACILITY	40CFR 60-Db.45b(j)	Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.	123
FACILITY	40CFR 60-Db.48b(c)	Emission Monitoring for Particulate Matter and Nitrogen Oxides.	124
FACILITY	40CFR 60-Db.48b(f)	Emission Monitoring for Particulate Matter and Nitrogen Oxides.	125
FACILITY	40CFR 60-Db.49b(f)	Reporting and Recordkeeping Requirements.	126
FACILITY	40CFR 60-Db.49b(g)	Reporting and Recordkeeping Requirements.	127
FACILITY	40CFR 60-Db.49b(r)	Reporting and Recordkeeping Requirements.	128
FACILITY	40CFR 60-Kb.112b(a) (3)	NSPS for volatile organic liquid storage vessels- standard for volatile organic compounds (VOC)	129
FACILITY	40CFR 60-Kb.113b(c)	NSPS for volatile organic liquid storage vessels- testing and procedures	130
FACILITY	40CFR 60-Kb.115b(c)	NSPS for volatile organic liquid storage vessels- reporting and recordkeeping requirements	131

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FACILITY	40CFR 60-Kb.116b(b)	NSPS for volatile organic liquid storage vessels- monitoring of operations	132
FACILITY	40CFR 60-NNN.662(a)	Standards of performance for VOC emissions from SOCOMI distillation operations - standards	133
FACILITY	40CFR 60-NNN.663(a)	Standards of performance for VOC emissions from SOCOMI distillation operations - standards	134
FACILITY	40CFR 60-NNN.665	Standards of performance for VOC emissions from SOCOMI distillation operations - reporting and recordkeeping requirements	135
FACILITY	40CFR 60-RRR.702(a)	Standards of performance for VOC emissions from SOCOMI reactor processes - standards	136
FACILITY	40CFR 61-A	General Provisions - applicability of part 61	137
FACILITY	40CFR 61-M.145	Asbestos standards: standard for demolition and renovation	138
FACILITY	40CFR 63-A.6(e)(1)	General Provisions - Operations and Maintenance Requirements During Startup, Shutdown, and Malfunction	140
FACILITY	40CFR 63-A.6(e)(1)(i)	Operation and Maintenance (MACT Gen. Prov.)	141
FACILITY	40CFR 63-A.6(e)(3)	Startup, Shutdown and Malfunction Plan	142
FACILITY	40CFR 63-A.6(f)(1)	Compliance with Nonopacity Standards (MACT Gen. Prov.)	143
FACILITY	40CFR 63-A.6(f)(2)(i)	Methods for Determining Compliance (MACT Gen. Prov.)	144
FACILITY	40CFR 63-A.6(f)(2)(ii)	Methods for determining compliance (MACT Gen. Prov.)	139
FACILITY	40CFR 63-DD.680(d)	Offsite Waste and Recovery Operations NESHAP - Facility-wide exemption	244
FACILITY	40CFR 63-EEE.1203(a)(1)	Hazardous Waste Combustion NESHAP - Interim Emission Standards and Operating Limits - existing sources	305
FACILITY	40CFR 63-EEE.1203(a)(2)	Mercury emission standard	306
FACILITY	40CFR 63-EEE.1203(a)(3)	lead and cadmium, combined emission limit for existing hazardous waste combustors	307
FACILITY	40CFR 63-EEE.1203(a)(4)	arsenic, berillium and chromium, combined, emission limit for	308

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FACILITY	40CFR 63-EEE.1203 (a) (5) (i	carbon monoxide and hydrocarbon emission limits for existing hazardous waste incinerators	309
FACILITY	40CFR 63-EEE.1203 (a) (6)	hydrochloric acid and chlorine gas, combined, emissions limit for existing hazardous waste incinerators	310
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FACILITY	40CFR 63-EEE.1203 (c) (1)	Hazardous Waste Combustion NESHAP - Interim Emission Standards and Operating Limits - 99.99% DRE standard	312
FACILITY	40CFR 63-EEE.1203 (c) (3) (i	Hazardous Waste Combustion NESHAP - Interim Emission Standards and Operating Limits - POHC's	313
FACILITY	40CFR 63-EEE.1206 (a) (1) (i	Hazardous Waste Combustion NESHAP - Compliance Date for existing haz. waste incinerators	314
FACILITY	40CFR 63-EEE.1206 (b)	Compliance with standards	315
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FACILITY	40CFR 63-EEE.1209 (a) (1) (i	Hazardous Waste Combustion NESHAP - Monitoring Standards - CEMS and COMS - oxygen, hydrocarbon, and CO CEMS requirement	318
FACILITY	40CFR 63-EEE.1209 (a) (1) (i	Hazardous Waste Combustion NESHAP - Monitoring Standards - CEMS and COMS - PM CEMS requirement	319
FACILITY	40CFR 63-EEE.1209 (a) (2)	Hazardous Waste Combustor NESHAP - performance specifications	320
FACILITY	40CFR 63-EEE.1209 (a) (3) (i	Hazardous Waste Combustion NESHAP - Monitoring Standards - CEMS and COMS - CO CEMS readings exceeding the span	321
FACILITY	40CFR 63-EEE.1209 (a) (6) (i	Hazardous Waste Combustion NESHAP - Continuous Emission Monitoring - Initial calculation of rolling averages	322
FACILITY	40CFR 63-EEE.1209 (a) (6) (i	Hazardous Waste Combustion NESHAP - Monitoring Standards -	323

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FACILITY	40CFR 63-EEE.1209 (a) (6) (i)	Hazardous Waste Combustion NESHAP - Monitoring Standards - CEMS & COMS - calc. of rolling avg. - haz. waste feed is cut off	324
FACILITY	40CFR 63-EEE.1209 (a) (7)	Hazardous Waste Combustor NESHAP - Operating parameter limits for hydrocarbons	325
FACILITY	40CFR 63-EEE.1209 (c) (1)	Hazardous Waste Combustor NESHAP - General feedstream analysis requirements	326
FACILITY	40CFR 63-EEE.1209 (c) (2)	Hazardous Waste Combustor NESHAP - Feedstream analysis plan	327
FACILITY	40CFR 63-EEE.1209 (c) (4)	Hazardous Waste Combustor NESHAP - Compliance with feedrate limits	328
FACILITY	40CFR 63-EEE.1209 (j) (1)	Hazardous Waste Combustor NESHAP - DRE monitoring	329, 330, 331
FACILITY	40CFR 63-EEE.1209 (j) (2)	Hazardous Waste Combustor NESHAP - DRE monitoring	332, 333, 334, 335, 336
FACILITY	40CFR 63-EEE.1209 (j) (3)	Hazardous Waste Combustor NESHAP - DRE monitoring requirements	337, 338, 339, 340, 341, 342, 343, 344
FACILITY	40CFR 63-EEE.1209 (j) (4)	Hazardous Waste Combustor NESHAP - DRE standards - operation of waste firing system	345, 346, 347, 348
FACILITY	40CFR 63-EEE.1209 (l) (1)	Hazardous Waste Combustor NESHAP - Mercury monitoring - feedrate of total mercury limit	349, 350
FACILITY	40CFR 63-EEE.1209 (m) (1) (i) ('B') ('1')	Hazardous Waste Combustion NESHAP - Monitoring Standards - PM operating parameter limits for wet scrubbers	351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365
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FACILITY	40CFR 63-EEE.1209 (m) (3)	Hazardous Waste Combustion NESHAP - Monitoring Standards - PM maximum ash feedrate	370, 371, 372, 373
FACILITY	40CFR 63-EEE.1209 (n) (2)	Hazardous Waste Combustion NESHAP - Monitoring Standards - semivolatile and low volatility metals - maximum feedrate of metal	374, 375
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Applicability Discussion:

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

ECL 19-301.

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

6NYCRR Part 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

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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.

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

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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 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

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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 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.

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

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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, MOMENTIVE PERFORMANCE MATERIALS 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.11

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40CFR 60-A.11 (d)

This regulation specifies the type of opacity monitoring requirements in relation to compliance with the standards and maintenance requirements.

40CFR 60-A.12

This regulation prohibits an owner or operator from concealing emissions in violation of applicable standards by any means.

40CFR 60-A.13 (a)

This regulation specifies that all New Source Performance Standard (NSPS) affected sources that are required to have continuous monitoring systems (CMS) are subject to the requirements of Appendix B of

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40 CFR Part 60 and if the CMS is used to demonstrate compliance with emission limits on a continuous basis, then it is also subject to Appendix F of 40 CFR Part 60.

40CFR 60-A.13 (d)

This regulation contains the requirements for daily drift testing for continuous monitoring systems required by 40 CFR Part 60.

40CFR 60-A.13 (e)

This regulation specifies minimum frequency of operation requirements for continuous monitoring systems required by 40 CFR Part 60.

40CFR 60-A.13 (h)

This regulation specifies the data averaging requirements for continuous monitoring systems subject to 40 CFR Part 60.

40CFR 60-A.4

This condition lists the USEPA Region 2 address for the submittal of all communications to the "Administrator". In addition, all such communications must be copied to NYSDEC Bureau of Quality Assurance (BQA).

40CFR 60-A.7 (a)

This regulation requires any owner or operator subject to a New Source Performance Standard (NSPS) to furnish the Administrator with notification of the dates of: construction or reconstruction, initial startup, any physical or operational changes, commencement of performance testing for continuous monitors and anticipated date for opacity observations as required.

40CFR 60-A.7 (b)

This regulation requires the owner or operator to maintain records of the occurrence and duration of any startup, shutdown, or malfunction of the source or control equipment or continuous monitoring system.

40CFR 60-A.7 (c)

This requirement details the information to be submitted in excess emissions and monitoring systems performance reports which must be submitted at least semi-annually for sources with compliance monitoring systems.

40CFR 60-A.7 (d)

This condition specifies the required information and format for a summary report form and details when either a summary form and/or excess emissions reports are required.

40CFR 60-A.7 (f)

This condition specifies requirements for maintenance of files of all measurements, including continuous monitoring system (CMS), monitoring device, and performance testing measurements; all CMS performance evaluations; all CMS or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices for at least two years.

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40CFR 60-Db.43b (f)

This regulation specifies maximum allowable opacity for affected sources. The opacity of the emission may not exceed 20%, except for one six minute period when the maximum opacity may not exceed 27%.

40CFR 60-Db.43b (g)

This regulation specifies that the particulate matter and opacity standards apply at all times, except during periods of startup, shutdown or malfunction.

40CFR 60-Db.44b (a) (1)

These standards apply to all boilers firing natural gas and/or distillate oil except as provided in 40 CFR 60.44b(a)(4) Duct Burners Used in a Combined Cycle System.

40CFR 60-Db.44b (h)

This regulation specifies that the NSPS nitrogen oxide standards apply at all time including periods of startup, shutdown, or malfunction.

40CFR 60-Db.45b (j)

This regulation specifies that owner or operators that combust very low sulfur oil are not subject to compliance and performance testing requirements for Sulfur Dioxide if they obtain fuel receipts as described in 40 CFR 60.49b(r)

40CFR 60-Db.48b (c)

This regulation requires that the continuous monitoring system (CMS) and data recorder for nitrogen oxides be operated during all periods of operation of the affected facility except for CMS breakdowns and repairs. Data must be recorded during calibration checks, and zero and span adjustments.

40CFR 60-Db.48b (f)

This regulation requires that standby methods of obtaining minimum emissions data for oxides of nitrogen be specified by the source owner or operator.

40CFR 60-Db.49b (f)

This subdivision specifies that monitored opacity records must be kept at the facility.

40CFR 60-Db.49b (g)

This subdivision requires reporting and recordkeeping for affected steam generating units - specific oxides of nitrogen requirements.

40CFR 60-Db.49b (r)

This regulation specifies that owner or operators that combust very low sulfur oil are required to obtain fuel receipts. The oil need not meet the fuel nitrogen content specification in the definition of distillate oil.

Reports shall be submitted to the Administrator certifying that only very low sulfur oil meeting this definition was combusted

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40CFR 60-Kb.112b (a) (3)

This regulation requires owner or operators of storage vessels with the dimensions listed below, to install a closed vent system and control device to collect all volatile organic compounds that are discharged from the vessel. This requirement applies to storage vessels with the following dimensions: design capacity > 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure > 5.2 kPa but < 76.6 kPa or with a design capacity > 75 m³ but < 151 m³ containing a VOL that, as stored, has a maximum true vapor pressure > 27.6 kPa but less than 76.7 kPa. The emissions from the storage vessel must be monitored and be less than 500 parts per million.

40CFR 60-Kb.113b (c)

This regulation allows the owner or operator of the storage vessel equipped with a closed vent system and control device to be exempt from the requirements of 40 CFR 60.8 (General Provisions). The source owner or operator must provide documentation that the control device will achieve the required control efficiency during maximum loading conditions.

40CFR 60-Kb.115b (c)

This regulation requires the owner or operator to keep records of the operating plan and record the measured values of the parameters monitored for the closed vent system.

40CFR 60-Kb.116b (b)

Owners or operators of affected storage tanks with capacities greater than or equal to 10,000 gallons must keep records of the tanks dimensions and an analysis of its capacity for the life of the tank. If the tank's capacity is less than 20,000 gallons, then it is subject to no other provisions of this subpart.

40CFR 60-NNN.662 (a)

Conditions under 40CFR60.662(a) require total organic compound emissions (not counting methane or ethane) from distillation operations at synthetic organic chemical manufacturing facilities to be reduced by 98% or to a concentration of 20 parts per million whichever is less stringent. This is part of the Federal New Source Performance Standards and applies only to facilities constructed, reconstructed or modified since December 30, 1983.

40CFR 60-NNN.663 (a)

Conditions under 40CFR60.663(a) dictate the parameter(s) to be monitored for distillation operations using incinerators to control their total organic compound emissions. This provides an assurance of continuous compliance with the emission standard.

40CFR 60-NNN.665

Conditions under 40CFR60.665 describe the reporting and recordkeeping requirements for facilities subject to the Distillation Operations New Source Performance Standards, as well as those that are exempt due to having a total resource effectiveness index value greater than 8.

40CFR 60-RRR.702 (a)

Conditions under 40CFR60.702(a) require total organic compound emissions (not counting methane or ethane) from reactor processes at synthetic organic chemical manufacturing facilities to be reduced by 98% or to a concentration of 20 parts per million whichever is less stringent. This is part of the Federal

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New Source Performance Standards and applies only to facilities constructed, reconstructed or modified since June 29, 1990. Applicability under this section also triggers monitoring under §703, testing under §704, and reporting and recordkeeping under §705.

40CFR 61-A

This regulation, 40 CFR 61 Subpart A, lists the general provisions that a facility subject to a National Emissions Standard for Hazardous Air Pollutant is subject to.

40CFR 61-M.145

This regulation, 40 CFR 61 Subpart M, lists the general provisions that a facility subject to a National Emissions Standard for Hazardous Air Pollutant for Asbestos demolition and renovation is subject to.

40CFR 63-A.6 (e) (1)

This condition requires the facility to address the emissions of hazardous air pollutants (HAPs) during periods when the process(es) are starting up, shutting down, or malfunctioning. This condition requires the facility to come up with a startup, shutdown, malfunction plan (SSMP) which addresses how the plant personnel will react to each of the situations when the process(es) are not functioning normally and what steps will be taken to reduce the release of HAPs to the atmosphere.

If the facility takes actions which aren't in the SSMP, then the facility needs to notify NYSDEC, and update the SSMP accordingly.

The facility must have the SSMP available upon request for the NYSDEC to review.

40CFR 63-A.6 (e) (1) (i)

Paragraph 63.6(e) requires that affected sources including air pollution control equipment must be operated and maintained to minimize emissions "at least to the level required by all relevant standards." It further requires that this be done at all time including during periods of startup, shutdown, and malfunction (SSM). Also operation during those times must be according to a SSM plan. §63.6(f) indicates however that nonopacity emission standards do not apply during SSM periods. Thus at those times the owner or operator must minimize emissions.

40CFR 63-A.6 (e) (3)

Paragraph 63.6(e)(3) requires a startup, shutdown, and malfunction (SSM) plan for MACT-affected sources and that the plan be followed.

40CFR 63-A.6 (f) (1)

This section states that nonopacity standards apply at all times except during periods of startup, shutdown, and malfunction.

40CFR 63-A.6 (f) (2) (i)

§63.6(f)(2) states that compliance with nonopacity standards shall be based on the results of performance tests using procedures in §63.7 and on conformance with the operation and maintenance requirements of §63.6(e).

40CFR 63-A.6 (f) (2) (ii)

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§63.6(f)(2) states that compliance with nonopacity standards shall be based on the results of performance tests using procedures in §63.7 and on conformance with the operation and maintenance requirements of §63.6(e).

40CFR 63-DD.680 (d)

This regulation, 40 CFR 63 Subpart DD, lists the applicability and designation of affected sources subject to a National Emissions Standard for Hazardous Air Pollutant from Off-Site Waste and Recovery Operations.

40CFR 63-EEE.1203 (a) (1)

This regulation, 40 CFR 63 Subpart EEE, provides the standards for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1203 (a) (2)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

- (2) Mercury in excess of 130 $\mu\text{g}/\text{dscm}$ corrected to 7 percent oxygen;

40CFR 63-EEE.1203 (a) (3)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

- (3) Lead and cadmium in excess of 240 $\mu\text{g}/\text{dscm}$, combined emissions, corrected to 7 percent oxygen;

40CFR 63-EEE.1203 (a) (4)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

- (4) Arsenic, beryllium, and chromium in excess of 97 $\mu\text{g}/\text{dscm}$, combined emissions, corrected to 7 percent oxygen;

40CFR 63-EEE.1203 (a) (5) (i)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

- (5) For carbon monoxide and hydrocarbons, either:

- (i) Carbon monoxide in excess of 100 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis and corrected to 7 percent oxygen. If you elect to comply with this carbon monoxide standard rather than the hydrocarbon standard under paragraph (a)(5)(ii) of this section, you must also document that, during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by § 63.1206(b)(7), hydrocarbons do not exceed 10 parts per million by volume during those runs, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane; or

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(ii) Hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane;

40CFR 63-EEE.1203 (a) (6)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

(6) Hydrochloric acid and chlorine gas in excess of 77 parts per million by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis and corrected to 7 percent oxygen; and

40CFR 63-EEE.1203 (a) (7)

(a) Emission limits for existing sources You must not discharge or cause combustion gasses to be emitted into the atmosphere that contain:

(7) Particulate matter in excess of 34 mg/dscm corrected to 7 percent oxygen.

40CFR 63-EEE.1203 (c) (1)

This regulation, 40 CFR 63 Subpart EEE, provides the standards for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1203 (c) (3) (ii)

This regulation, 40 CFR 63 Subpart EEE, provides the standards for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1206 (a) (1) (ii) (A)

This regulation, 40 CFR 63 Subpart EEE, details when and how a facility must comply with the applicable requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1206 (b)

Summary of Compliance with standards (see regulation for detailed descriptions)

- (1) Applicability.
- (2) Methods for determining compliance.
- (3) Finding of compliance.
- (4) Extension of compliance with emission standards.
- (5) Changes in design, operation, or maintenance.
- (6) Compliance with the carbon monoxide and hydrocarbon emission standards.
- (7) Compliance with the DRE standard.
- (8) Applicability of particulate matter and opacity standards during particulate matter CEMS correlation tests.
- (9) Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT.
- (10) Alternative standards for existing or new hazardous waste burning cement kilns using MACT.
- (11) Calculation of hazardous waste residence time.
- (12) Documenting compliance with the standards based on performance testing.

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(13) Cement kilns and lightweight aggregate kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired.

(14) Alternative particulate matter standard for incinerators with de minimis metals.

40CFR 63-EEE.1206 (c)

Summary of Operating requirements --

(1) General.

(2) Startup, shutdown, and malfunction plan.

(3) Automatic waste feed cutoff

(4) ESV openings

(5) Combustion System Leaks

(6) Operator training and certification.

(7) Operation and maintenance plan

40CFR 63-EEE.1209 (a) (1) (i)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (a) (1) (iii)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (a) (2)

This condition requires the facility to ensure that the continuous monitor that is installed to be properly maintained and operated so that the emission results it reads is accurate.

40CFR 63-EEE.1209 (a) (3) (i)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (a) (6) (i)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (a) (6) (ii)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.40

40CFR 63-EEE.1209 (a) (6) (iii)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous

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Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (a) (7)

This condition explains how the facility is expected to ensure that the emission standard for hydrocarbons is not exceeded. Basically, the facility is expected to set limits based on the readings of a continuous monitor and limits relating to a specific destruction and removal efficiency (DRE) during the performance test and continuously comply with them.

40CFR 63-EEE.1209 (c) (1)

This condition requires the facility to analyze each feedstream to determine whether the properties of the feedstream are within the parameter limits.

40CFR 63-EEE.1209 (c) (2)

This condition requires the facility to develop a feedstream analysis plan in order to determine whether the properties of the feedstream meet the operating limits in this subpart. This analysis should include information on what the facility will measure, and how the parameter will be measured. The plan will be recorded in the facility's operating record.

40CFR 63-EEE.1209 (c) (4)

This condition describes how the facility is expected to comply with the feedstream parameter limits. The condition requires a continuous monitoring system to measure the proper parameters of the feedstream so that the facility can calculate and record the parameter to ensure the parameter's limit is not exceeded.

40CFR 63-EEE.1209 (j) (1)

This condition requires that in order for the facility to determine if it is complying with the destruction and removal efficiency standard, then a minimum combustion temperature must be established during the performance test. This temperature would be representative of the minimum temperature that will destroy the hazardous air pollutant emissions sufficiently to satisfy the limit in this subpart.

40CFR 63-EEE.1209 (j) (2)

This condition requires that in order for the facility to determine if it is complying with the destruction and removal efficiency standard, then a maximum flue gas flowrate or production rate must be established during the performance test. This flowrate or production rate would be representative of the maximum value that will ensure that the hazardous air pollutant emissions are sufficiently reduced to satisfy the emission limits in this subpart.

40CFR 63-EEE.1209 (j) (3)

This condition requires that in order for the facility to determine if it is complying with the destruction and removal efficiency standard, then a maximum hazardous waste feedrate must be established during the performance test. This feedrate would be representative of the maximum value that will ensure that the hazardous air pollutant emissions are sufficiently reduced to satisfy the emission limits in this subpart.

40CFR 63-EEE.1209 (j) (4)

This condition requires that in order for the facility to determine if it is complying with the destruction and removal efficiency standard, then parameters must be established during the performance test which indicate proper operation of the waste firing system.

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40CFR 63-EEE.1209 (l) (1)

During the comprehensive performance test, the maximum level of mercury is established which will ensure that the hazardous waste combustor does not exceed the emission limit for mercury. The facility will then need to monitor the mercury content of the hazardous waste to prove that the limit has not been exceeded.

40CFR 63-EEE.1209 (m) (1) (i) ('B') ('1')

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (m) (1) (i) ('B') ('2')

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (m) (1) (i) ('B') ('4')

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (m) (3)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (n) (2)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1209 (n) (4)

In order for the hazardous waste combustor to meet the emission limits for metals, then during the comprehensive performance test the facility must establish operating limits that prove that the facility will be in compliance with the metal limits as long as the operating parameter is being met. This condition specifically requires the facility to set a limit for the amount of chlorine and chloride in the hazardous waste feedstream.

40CFR 63-EEE.1209 (o) (3) (ii)

If the facility equips the hazardous waste combustor with a low energy wet scrubber, then this condition requires the facility to monitor certain parameters to make sure the scrubber is working properly to control hydrochloric acid and chloride gas emissions. This condition specifically requires the facility to monitor the pressure drop across the scrubber.

40CFR 63-EEE.1209 (o) (3) (iii)

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If the facility equips the hazardous waste combustor with a low energy wet scrubber, then this condition requires the facility to monitor certain parameters to make sure the scrubber is working properly to control hydrochloric acid and chloride gas emissions. This condition specifically requires the facility to monitor the minimum liquid feed pressure in the scrubber.

40CFR 63-EEE.1209 (o) (3) (iv)

If the facility equips the hazardous waste combustor with a wet scrubber, then this condition requires the facility to monitor certain parameters to make sure the scrubber is working properly to control hydrochloric acid and chloride gas emissions. This condition specifically requires the facility to monitor the pH in the scrubber.

40CFR 63-EEE.1209 (o) (3) (v)

If the facility equips the hazardous waste combustor with a low energy wet scrubber, then this condition requires the facility to monitor certain parameters to make sure the scrubber is working properly to control hydrochloric acid and chloride gas emissions. This condition specifically requires the facility to monitor the minimum liquid-gas ratio or minimum scrubber water flowrate and maximum flue gas flowrate in the scrubber.

40CFR 63-EEE.1209 (p)

This condition reduces the emissions of hazardous air pollutants by requiring the facility to keep the pressure inside of the combustion chamber of the hazardous waste combustor under that of the atmosphere outside of the combustor. This reduces the chance of leaks from the combustor escaping into the atmosphere.

40CFR 63-EEE.1210 (a)

This regulation, 40 CFR 63 Subpart EEE, details the notification requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1210 (b)

This regulation, 40 CFR 63 Subpart EEE, details the notification requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1210 (d)

This regulation, 40 CFR 63 Subpart EEE, details the notification requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1211 (a)

This regulation, 40 CFR 63 Subpart EEE, details the record keeping and reporting requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1211 (b)

This condition lists the information that the facility must keep on record at the plant. This information

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will assist the NYSDEC when the facility is inspected in order to determine whether the plant has been in compliance with the emission standards listed in this subpart EEE. Information that must be recorded includes instrument readings which indicate whether any control devices were working, whether there were any startups, shutdowns, or malfunctions at the facility, and whether the plant has changed its operation in a way that could affect the emissions from the incinerator.

40CFR 63-EEE.1211 (c)

This regulation, 40 CFR 63 Subpart EEE, details the record keeping and reporting requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1219 (a)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1219 (c) (1)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1219 (c) (3) (ii)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-EEE.1219 (e)

This regulation, 40 CFR 63 Subpart EEE, details the monitoring requirements for a facility subject to the requirements for Hazardous Waste Incinerators subject to a National Emissions Standard for Hazardous Air Pollutant from Hazardous Waste Combustors.

40CFR 63-F.102 (a) (2)

This condition specifies that the requirements of the HON rule do not apply during periods of startup, shutdown, or malfunction. The rule also does not apply when the process unit's lines are drained and depressurized.

40CFR 63-F.104

If there are heat exchangers in a process unit that is subject to the Hazardous Organic NESHAP rule, the facility must monitor the heat exchangers for leaks in order to prevent organic hazardous air pollutants from entering the coolant water supply. The facility can choose to either monitor the cooling water directly or measure some other parameter that would indicate a leak in the heat exchange equipment.

40CFR 63-F.104 (c)

This regulation, 40 CFR 63 Subpart F, details the heat exchange system requirements for a facility subject to the requirements for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry.

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40CFR 63-F.105

This condition requires that the facility prepare a plan on how to manage the wastewater containing organic hazardous air pollutants that is generated during process unit maintenance or shutdown. This plan should include every task that creates this type of wastewater and how best to handle the water to minimize the amount of organic hazardous air pollutants that get released to the atmosphere.

40CFR 63-FFFF.2450 (a)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (b)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (f)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (h)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (i)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (j)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (k)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2450 (l)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

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40CFR 63-FFFF.2450 (p)

This regulation, 40 CFR 63 Subpart FFFF, details the general requirements to comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2455 (a)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2455 (b)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2460 (a)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2460 (b)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2460 (c)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2460 (c) (7)

This regulation, 40 CFR 63 Subpart FFFF, details when a facility must comply with the requirements for National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2465 (a)

This regulation, 40 CFR 63 Subpart FFFF, details the requirements to meet for process vents that emit hydrogen halide and halogen HAP or PM HAP for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2480

This regulation, 40 CFR 63 Subpart FFFF, details the requirements to meet for equipment leaks for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

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40CFR 63-FFFF.2485 (c)

This regulation, 40 CFR 63 Subpart FFFF, details the requirements to meet for wastewater streams and liquid streams in open systems within an MCPU for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2520 (c)

This regulation, 40 CFR 63 Subpart FFFF, details what reports must be submitted and when for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2525

This regulation, 40 CFR 63 Subpart FFFF, details what reports must be submitted and when for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-FFFF.2535 (g)

This regulation, 40 CFR 63 Subpart FFFF, details compliance options when part of a plant is subject to both this subpart and another subpart for facilities subject to the National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.

40CFR 63-G.113

This regulation, 40 CFR 63 Subpart G, provides the reference control technology for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.113 (a) (2)

This allows the owner/operator to either reduce the total OHAP concentration in the vent stream by 98% by weight or to reduce the total OHAP or TOC concentration to 20 ppmv, whichever is less stringent.

40CFR 63-G.113 (b)

This condition controls the emissions of hazardous air pollutants by requiring that if the facility is controlling emissions of the gas stream by using a process heater or a boiler, then the stream must be introduced into the flame zone. This helps to ensure complete combustion within the boiler/process heater and therefore minimizes the amount of hazardous air pollutants that could escape to the atmosphere.

40CFR 63-G.114

This regulation, 40 CFR 63 Subpart G, provides the monitoring requirements for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.114 (a) (1) (i)

This regulation, 40 CFR 63 Subpart G, provides the monitoring requirements for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.114 (a) (3)

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This regulation, 40 CFR 63 Subpart G, provides the monitoring requirements for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.114 (a) (4) (i)

This regulation, 40 CFR 63 Subpart G, provides the monitoring requirements for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.114 (a) (4) (ii)

This regulation, 40 CFR 63 Subpart G, provides the monitoring requirements for process vents subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.119 (b)

In order to reduce the emissions of organic hazardous air pollutants from storage vessels, a facility may elect to install a fixed roof and an internal floating roof on the storage vessel. This condition requires the facility to install certain equipment (seals, gaskets, etc.) designed to reduce any direct contact between the liquid in the storage tank and the atmosphere. Periodic inspections to insure that there are no leaks from the internal floating roof into the atmosphere are also required in this condition.

40CFR 63-G.119 (e)

In order to reduce the emissions of organic hazardous air pollutants from storage vessels, a facility may elect to install a system that routes all of the emissions from the storage vessel to a control device. This condition requires that the control device reduces the organic hazardous air pollutants in this captured stream by 90-95% depending on when the control device was installed.

40CFR 63-G.123 (a)

This condition requires the facility to keep a record of the dimensions and the capacity of any storage vessel that is subject to the HON rule.

40CFR 63-G.132 (a) (3)

According to this condition, the facility must keep certain records for wastewater streams that are not considered a high risk of hazardous air pollutant emissions. These records will ensure that the stream(s) remain a minor source of emissions and are subject to verification by the New York State DEC.

40CFR 63-G.132 (f)

This regulation, 40 CFR 63 Subpart G, provides the general process waste water requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.133 (a) (1)

This regulation, 40 CFR 63 Subpart G, provides the requirements for waste water tanks subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

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40CFR 63-G.133 (a) (2)

This regulation, 40 CFR 63 Subpart G, provides the requirements for waste water tanks subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.133 (f)

This regulation, 40 CFR 63 Subpart G, provides the requirements for waste water tanks subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.135 (b)

This regulation, 40 CFR 63 Subpart G, provides the requirements for containers subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.135 (c)

This regulation, 40 CFR 63 Subpart G, provides the requirements for containers subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.135 (e)

This regulation, 40 CFR 63 Subpart G, provides the requirements for containers subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.135 (f)

This regulation, 40 CFR 63 Subpart G, provides the requirements for containers subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.136

This regulation, 40 CFR 63 Subpart G, provides the requirements for individual drain systems subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.138 (a)

This regulation, 40 CFR 63 Subpart G, provides the requirements for treatment processes managing Group 1 wastewater streams and/or residuals removed from streams and/or residuals removed from Group 1 wastewater streams subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.138 (d)

This regulation, 40 CFR 63 Subpart G, provides the requirements for treatment processes managing Group 1 wastewater streams and/or residuals removed from streams and/or residuals removed from Group 1 wastewater streams subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical

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40CFR 63-G.138 (k)

This regulation, 40 CFR 63 Subpart G, provides the requirements for treatment processes managing Group 1 wastewater streams and/or residuals removed from streams and/or residuals removed from Group 1 wastewater streams subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.139 (b)

This regulation, 40 CFR 63 Subpart G, contains provisions for process wastewater control devices subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.139 (c)

This regulation, 40 CFR 63 Subpart G, contains provisions for process wastewater control devices subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.139 (f)

This regulation, 40 CFR 63 Subpart G, contains provisions for process wastewater control devices subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.140

This regulation, 40 CFR 63 Subpart G, contains provisions for process wastewater delay of repair of sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.143 (e)

This regulation, 40 CFR 63 Subpart G, contains provisions for the inspection and monitoring of operations for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.143 (g)

This regulation, 40 CFR 63 Subpart G, contains provisions for the inspection and monitoring of operations for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.146 (b)

This regulation, 40 CFR 63 Subpart G, contains the reporting requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.147

This regulation, 40 CFR 63 Subpart G, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry

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for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.148

This regulation, 40 CFR 63 Subpart G, contains the leak inspection requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.148 (b) (1)

This condition requires any vapor collection system and closed-vent system that consists of hard-piping to be periodically checked for leaks of organic hazardous air pollutants. There shall be an initial inspection of the entire system using an analyzer. Subsequently, the systems shall be looked at annually and checked to see if there is any physical evidence (sight, smell, etc.) of a leak.

40CFR 63-G.148 (d)

This condition requires the facility to repair any leaks found on a closed-vent or vapor collection system that is subject to the HON rule. This condition helps minimize the fugitive losses of organic hazardous air pollutants by ensuring that the facility repairs all leaks within 15 days. Adequate records also are required in order to keep track of the leaks in these systems.

40CFR 63-G.148 (e)

This condition allows a facility that found leaks in a vapor collection system or closed-vent system to delay the repair of these leaks. The leaks may be delayed if doing so would create more emissions of organic hazardous air pollutants than otherwise would result from leaving the leak alone.

40CFR 63-G.148 (i)

This regulation, 40 CFR 63 Subpart G, contains the leak inspection requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.148 (j)

This regulation, 40 CFR 63 Subpart G, contains the leak inspection requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants from the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater.

40CFR 63-G.152 (d) (1)

This condition requires the facility to submit reports of startups, shutdowns, and malfunctions that occur during each 6-month period.

40CFR 63-GGGGG.7881 (c)

This regulation, 40 CFR 63 Subpart GGGGG, details who is subject to the National Emissions Standard for Hazardous Air Pollutants from Site Remediation.

40CFR 63-H.160

This section of the Equipment Leaks portion of the Hazardous Organic NESHAP rule describes the types of equipment subject to the rule and types that are exempt. It also describes how overlap with other federal regulations are handled.

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40CFR 63-H.162 (c)

This regulation, 40 CFR 63 Subpart H, contains the General Standards for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.162 (f)

This condition requires the facility to identify which pieces of equipment is leaking hazardous air pollutants. The facility is generally allowed to remove the indicator sign once the equipment has been remonitored and is no longer leaking.

40CFR 63-H.163 (a)

This regulation, 40 CFR 63 Subpart H, contains the Standards for pumps in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.163 (b) (1)

This regulation, 40 CFR 63 Subpart H, contains the Standards for pumps in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.163 (b) (2)

This paragraph of the Equipment Leaks rule defines leaks for pumps in light liquid service. Leaks are not violations but trigger attempts at repair.

40CFR 63-H.163 (b) (3)

This regulation, 40 CFR 63 Subpart H, contains the Standards for pumps in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.163 (d) (1)

This paragraph of the equipment leaks rule describes how to calculate the percent of leaking pumps in light liquid service. The result is used to determine whether or not a quality improvement program for pumps is required.

40CFR 63-H.164 (i)

This regulation, 40 CFR 63 Subpart H, contains the Standards for compressors subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.165 (d) (2)

This regulation, 40 CFR 63 Subpart H, contains the standards for pressure relief devices in gas/vapor service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.166

This condition reduces the emissions of hazardous air pollutants by requiring the facility to install sampling connection systems in such a way that the sampling system is either closed or disposed of in an approved method.

40CFR 63-H.167 (a) (1)

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This regulation, 40 CFR 63 Subpart H, contains the standards for open-ended valves or lines subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.167 (b)

This condition reduces the fugitive emissions of hazardous air pollutants by requiring that when a facility has an open-ended valve or line that is subject to subpart H, there needs to be a valve on the process side that is closed before the second valve is closed. This will greatly reduce the accidental release of fluids that contain hazardous air pollutants.

40CFR 63-H.167 (c)

This regulation, 40 CFR 63 Subpart H, contains the standards for open-ended valves or lines subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.167 (d)

This regulation, 40 CFR 63 Subpart H, contains the standards for open-ended valves or lines subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.168 (b)

This regulation, 40 CFR 63 Subpart H, contains the standards for valves in gas/vapor service and in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.168 (f) (1)

This regulation, 40 CFR 63 Subpart H, contains the standards for valves in gas/vapor service and in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.168 (h)

This regulation, 40 CFR 63 Subpart H, contains the standards for valves in gas/vapor service and in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.168 (i)

This regulation, 40 CFR 63 Subpart H, contains the standards for valves in gas/vapor service and in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.171 (a)

This condition allows the facility to delay repair of a leaking piece of equipment if the facility deems it to be technically infeasible to do so. The repair must be done the next time the process is not in operation.

40CFR 63-H.171 (b)

This condition allows the facility to delay the repair of a leaking piece of equipment if the leaking equipment is isolated and no longer contains organic hazardous air pollutants.

40CFR 63-H.171 (c)

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This condition allows facilities the option to delay the repair of certain types of equipment that are leaking hazardous air pollutants if the repair of that equipment would cause more emissions than if they left the equipment alone. In these cases, the material that was purged during the repair must be collected and controlled in order to further reduce the emissions of hazardous air pollutants.

40CFR 63-H.171 (d)

This condition allows the facility to delay the repair of pumps if the repair entails:

- implementing a quality improvement program (QIP) for the pump,
- replacing the pump with one that is much less susceptible to leaking, or
- venting emissions from the pump to a closed-vent system with a control device.

The facility will be given up to six months to repair the leaking pump.

40CFR 63-H.171 (e)

This condition allows the facility to extend a delayed repair beyond a process unit shutdown for valves if certain, specific extenuating circumstances are being faced.

40CFR 63-H.174 (a)

This condition reduces the emissions of hazardous air pollutants by requiring the facility to periodically check for leaks in certain connectors. The facility then has a limited amount of time in order to repair the leak and stop the fugitive emissions of hazardous air pollutants. The facility may reduce the frequency of monitoring for leaks if the percentage of connectors that are leaking is below a certain threshold. Records must be kept and reports must be submitted verifying compliance with this condition.

40CFR 63-H.174 (c) (1) (i)

This condition specifies the different monitoring requirements for connectors that has been opened. The facility must either monitor the connector right away or must automatically count it as a leaking connector when calculating the monitoring frequency of connectors throughout the facility.

40CFR 63-H.174 (c) (2)

This regulation, 40 CFR 63 Subpart H, contains the standards for connectors in gas/vapor service and in light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.174 (f)

This condition allows the facility to skip the periodic monitoring of connectors that are not safe for personnel to monitor. A written plan must be developed requiring monitoring as often as possible during times when it is safe to monitor the connector.

40CFR 63-H.174 (g)

This condition allows the facility to delay repairing of a connector if it is deemed to be unsafe for personnel to repair until the next shutdown.

40CFR 63-H.174 (h) (1)

This regulation, 40 CFR 63 Subpart H, contains the standards for connectors in gas/vapor service and in

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light liquid service and subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.175

This regulation, 40 CFR 63 Subpart H, contains the requirements for a quality improvement program for valves subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.181 (a)

This condition specifies certain recordkeeping requirements for facilities that are subject to Subpart H. These requirements basically require the facility to make all of the records readily accessible so that they may be verified by an inspector.

40CFR 63-H.181 (b)

This condition lists some of the records that the facility must keep in order to verify compliance with Subpart H. This condition specifically requires the company to keep lists of each piece of equipment that is supposed to be monitored according to the provisions in Subpart H.

40CFR 63-H.181 (c)

This regulation, 40 CFR 63 Subpart H, contains recordkeeping requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.181 (d)

This regulation, 40 CFR 63 Subpart H, contains recordkeeping requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.181 (f)

This regulation, 40 CFR 63 Subpart H, contains recordkeeping requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.181 (h)

This regulation, 40 CFR 63 Subpart H, contains recordkeeping requirements for sources subject to a National Emissions Standard for Organic Hazardous Air Pollutants for Equipment Leaks.

40CFR 63-H.182 (d)

This condition lists the items that the facility must enter in their semi-annual periodic report. The items include the number of pieces of equipment that were monitored, how many pieces of equipment were found to be leaking and whether the leaks were repaired.

40CFR 63-NNNNN.9000 (a)

This regulation, 40 CFR 63 Subpart NNNNN, details the applicable emission limits and work practice standards for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9000 (b)

This regulation, 40 CFR 63 Subpart NNNNN, details the applicable emission limits and work practice

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standards for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9005 (a)

This regulation, 40 CFR 63 Subpart NNNNN, details the general requirements for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9005 (b)

This regulation, 40 CFR 63 Subpart NNNNN, details the general requirements for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9005 (c)

This regulation, 40 CFR 63 Subpart NNNNN, details the general requirements for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9005 (d)

This regulation, 40 CFR 63 Subpart NNNNN, details the general requirements for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9020 (b)

This regulation, 40 CFR 63 Subpart NNNNN, specifies required performance tests and procedures for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9020 (e)

This regulation, 40 CFR 63 Subpart NNNNN, specifies required performance tests and procedures for sources subject to the requirements for National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9025 (a)

This regulation, 40 CFR 63 Subpart NNNNN, specifies monitoring installation, operation and maintenance requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9025 (b)

This regulation, 40 CFR 63 Subpart NNNNN, specifies monitoring installation, operation and maintenance requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9030 (a)

This regulation, 40 CFR 63 Subpart NNNNN, specifies initial compliance demonstration requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste

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40CFR 63-NNNNN.9030 (b)

This regulation, 40 CFR 63 Subpart NNNNN, specifies initial compliance demonstration requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9035 (b)

This regulation, 40 CFR 63 Subpart NNNNN, specifies continuous compliance monitoring and data collection requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9035 (d)

This regulation, 40 CFR 63 Subpart NNNNN, specifies continuous compliance monitoring and data collection requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9035 (e)

This regulation, 40 CFR 63 Subpart NNNNN, specifies continuous compliance monitoring and data collection requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9040 (c)

This regulation, 40 CFR 63 Subpart NNNNN, specifies continuous compliance emission limits and work practice requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9045 (f)

This regulation, 40 CFR 63 Subpart NNNNN, specifies notification submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9045 (g)

This regulation, 40 CFR 63 Subpart NNNNN, specifies notification submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9050 (a)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9050 (b)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9050 (c)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

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40CFR 63-NNNNN.9050 (d)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9050 (e)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9050 (f)

This regulation, 40 CFR 63 Subpart NNNNN, specifies report submittal requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9055

This regulation, 40 CFR 63 Subpart NNNNN, specifies records retention requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-NNNNN.9060

This regulation, 40 CFR 63 Subpart NNNNN, specifies records retention and format requirements for sources subject to National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors.

40CFR 63-SS.983 (a)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for closed vent systems subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.983 (b)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for closed vent systems subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.983 (c)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for closed vent systems subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.983 (d)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for closed vent systems subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.988 (a)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for incinerators, boilers, and process heaters subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

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40CFR 63-SS.988 (b)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for incinerators, boilers, and process heaters subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.990 (a)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for absorbers, condensers, and carbon adsorbers used as control devices for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.990 (b)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for absorbers, condensers, and carbon adsorbers used as control devices for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.994 (a) (2)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for halogen scrubbers and other halogen reduction devices on sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.994 (b)

This regulation, 40 CFR 63 Subpart SS, contains the requirements for halogen scrubbers and other halogen reduction devices on sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.996

This regulation, 40 CFR 63 Subpart SS, contains the general monitoring requirements for control and recovery devices on sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.996 (d)

This regulation, 40 CFR 63 Subpart SS, contains the general monitoring requirements for control and recovery devices on sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (a) (2)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (b)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (c)

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This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (c) (1)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (c) (2)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (c) (3)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-SS.998 (d) (1)

This regulation, 40 CFR 63 Subpart SS, contains the recordkeeping requirements for sources subject to a National Emissions Standard for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process.

40CFR 63-UU.1019

This regulation, 40 CFR 63 Subpart UU, details applicability requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1022

Conditions under this section relate to the identification of equipment subject to Subpart UU. Physical tagging of the equipment (pumps, valves, connectors, etc.) is not required, but is allowed as one method of identification. Other allowable methods are by a site plan, log entries, designation of process boundaries, etc. Equipment identification is needed so equipment subject to leak detection monitoring can be differentiated from equipment not needing monitoring.

40CFR 63-UU.1023 (a)

This regulation, 40 CFR 63 Subpart UU, details instrument and sensory monitoring requirements for leaks for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1023 (b)

This regulation, 40 CFR 63 Subpart UU, details instrument and sensory monitoring requirements for leaks for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1023 (c)

This regulation, 40 CFR 63 Subpart UU, details instrument and sensory monitoring requirements for leaks for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

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40CFR 63-UU.1023 (e)

This regulation, 40 CFR 63 Subpart UU, details instrument and sensory monitoring requirements for leaks for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1024 (a)

This regulation, 40 CFR 63 Subpart UU, details leak repair requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1024 (c)

This regulation, 40 CFR 63 Subpart UU, details leak repair requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1024 (d)

This regulation, 40 CFR 63 Subpart UU, details leak repair requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1024 (e)

This regulation, 40 CFR 63 Subpart UU, details leak repair requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1024 (f)

This regulation, 40 CFR 63 Subpart UU, details leak repair requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (b)

This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (c)

This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (d)

This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (e) (1)

This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (e) (2)

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This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1025 (e) (3)

This regulation, 40 CFR 63 Subpart UU, details standards for valves in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1026

This regulation, 40 CFR 63 Subpart UU, details standards for pumps in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1026 (b) (4)

This regulation, 40 CFR 63 Subpart UU, details standards for pumps in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1026 (e)

This regulation, 40 CFR 63 Subpart UU, details standards for pumps in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1027 (b)

This regulation, 40 CFR 63 Subpart UU, details standards for connectors in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1027 (e) (1)

This regulation, 40 CFR 63 Subpart UU, details standards for connectors in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1027 (e) (2)

This regulation, 40 CFR 63 Subpart UU, details standards for connectors in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1028

This regulation, 40 CFR 63 Subpart UU, details standards for agitators in gas and vapor service and in light liquid service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1029

This regulation, 40 CFR 63 Subpart UU, details standards for pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in liquid service; and instrumentation systems for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1030

This regulation, 40 CFR 63 Subpart UU, details standards for pressure relief devices in gas and vapor service for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

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40CFR 63-UU.1031 (f)

This regulation, 40 CFR 63 Subpart UU, details standards for compressors for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1032

This regulation, 40 CFR 63 Subpart UU, details standards for sampling connection systems for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1033

This regulation, 40 CFR 63 Subpart UU, details standards for open-ended valves or lines for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1035

When a large percentage of the pumps within the facility and subject to this rule leak, a quality improvement program (QIP) to reduce the number of leaking pumps is triggered. Conditions under this section describe the requirements QIP including it's recordkeeping and reporting requirements.

40CFR 63-UU.1036

Conditions under this section provide alternatives to the leak detection and repair standards of sections 63.1025 through 63.1033. They also describe the means of tracking changes of operation between the alternatives.

40CFR 63-UU.1038 (b)

This regulation, 40 CFR 63 Subpart UU, details record keeping requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1038 (c)

This regulation, 40 CFR 63 Subpart UU, details record keeping requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1039 (a)

This regulation, 40 CFR 63 Subpart UU, details reporting requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-UU.1039 (b)

This regulation, 40 CFR 63 Subpart UU, details reporting requirements for sources subject to the National Emission Standards for Equipment Leaks-Control Level 2.

40CFR 63-~~ZZZZ~~.6590 (b) (3)

This condition lists the types of engines that are exempt from the provisions in this NESHAP rule. The types of engines include:

- Existing 2-stroke lean burn
- Existing 4-stroke lean burn
- Existing compression ignition
- Existing emergency

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Existing limited-use
Existing landfill/digester gas fuel-fired

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 204-2.1

This condition states the submission requirements for the NOx Budget Trading Program. The Program is designed to mitigate the interstate transport of ground level ozone and nitrogen oxides, a ground level ozone precursor.

6NYCRR 204-4.1

This condition covers the compliance certification report requirements for the NOx Budget Program.

6NYCRR 204-5.3

This condition lists the allocation procedures for this unit in the NOx Budget Program.

6NYCRR 204-7.1

This condition lists the requirements for transfer of allowances in the NOx Budget Program.

6NYCRR 204-8.1

This condition lists the general requirements for the NOx Budget trading program. They include, but are not limited to monitoring requirements, certification, record keeping and reporting.

6NYCRR 204-8.2

This condition covers the procedures for initially certifying and recertifying the monitoring systems of the unit meet the requirements of the NOx Budget Program

6NYCRR 204-8.3

This condition states the requirements for data substitution during times when the monitoring systems to not meet applicable quality assurance requirements.

6NYCRR 204-8.6

6 NYCRR 204-8 has the monitoring and reporting requirements for the NOx Budget Trading Program.

6NYCRR 212

6 NYCRR Part 212 contains all the requirements for General Process Sources.

6NYCRR 212.10(a)(2)

6 NYCRR 212.10(a)(2) has the Reasonably Available Control Technology requirements for major facilities in upstate NY.

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6NYCRR 212 .10 (c) (4) (i)

VOC removal efficiency greater than 81% is considered RACT.

6NYCRR 212 .10 (c) (4) (iii)

This rule allows those sources which cannot achieve an overall removal efficiency of 81% or use coatings that don't exceed 3.5 lbs. VOC/gallon as applied for technological or economic reasons to use process specific reasonably available control technology (RACT) demonstrations for sources of volatile organic compounds (VOC) which are acceptable to the department and have been submitted to EPA for approval as a revision to the State Implementation Plan by the department.

6NYCRR 212 .2

6NYCRR 212.2 specifies that the commissioner shall issue an environmental rating for each air contaminant from each emission point when an application for an air permit is made.

6NYCRR 212 .3 (a)

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

6NYCRR 212 .4 (a)

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

6NYCRR 212 .4 (b)

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

6NYCRR 212 .4 (c)

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

6NYCRR 212 .5 (d)

This section specifies that if best available control technologies are implemented the commissioner may specify, under certain situations, a less restrictive emission rate.

6NYCRR 212 .6 (a)

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

6NYCRR 212 .9 (b)

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

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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 225-1.7 (c)

This regulation requires that measurements be made daily of the rate of each fuel burned, the gross heat content and ash content of each fuel burned (determined at least once per week), and the average electrical output (daily) and hourly generation rate.

6NYCRR 226

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

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

6NYCRR 227-1.2 (a) (1)

This regulation establishes a particulate emission limit in terms of lbs per mmBtu of heat input for stationary combustion units of greater than 250 mmBtu/hr heat input capacity which fire coal, oil, or coal derived fuels.

6NYCRR 227-1.3

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

6NYCRR 227-1.3 (a)

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

6NYCRR 227-2.2 (b) (1)

227-2.2(b)(1) defines the term "actual 1990 baseline emissions"

6NYCRR 227-2.4 (a) (1)

This condition lists the emission limitations for very large boilers.

6NYCRR 227-2.4 (b) (1)

This paragraph provides a table for gas only, gas and/or oil firing capable, pulverized coal, and overfeed stoker emission limits. Compliance is determined by a stack test.

6NYCRR 227-2.4 (d)

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

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6NYCRR 227-2.6

This regulation establishes the compliance testing, monitoring, and reporting requirements for NOx RACT affected stationary combustion installations.

6NYCRR 229 .3 (e) (1)

This regulation requires fixed roof storage tanks subject to Part 229 to be equipped with an internal floating roof with a liquid-mounted primary seal and gasketed fittings, or equivalent control. Furthermore, replacement of other than liquid mounted seals is to be performed only when the tank is cleaned and gas-freed for other purposes.

6NYCRR 229 .3 (e) (2) (iv)

This section requires a tank with submerged fill for storage of volatile organic liquids

6NYCRR 229 .3 (e) (2) (v)

This section requires the tank to be equipped with conservation vents for storage of volatile organic liquids.

6NYCRR 229 .5 (d)

This section requires facilities subject to the requirements under Part 229.3, to maintain a record of the capacity of the volatile organic liquid storage tanks, in gallons, for a period of 5 years.

6NYCRR 231-2

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

6NYCRR 231-2.6

The provisions of Subpart 231-2 apply to new or modified major facilities. The contaminants of concern state-wide are nitrogen oxides and volatile organic compounds since New York State is located in the ozone transport region and because there are ozone non-attainment areas within the state. In the New York City metropolitan area, carbon monoxide is also a non-attainment contaminant. In addition, particulate matter less than 10 microns in size (PM-10) is a non-attainment contaminant in Manhattan County.

The requirements and criteria for creating and certifying emission reduction credits (ERCs) are set forth in section 231-2.6.

Compliance Certification

Summary of monitoring activities at MOMENTIVE PERFORMANCE MATERIALS:

Location	Type of Monitoring	Cond No.
Facility/EU/EP/Process/ES		

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Basis for Monitoring

6 NYCRR 200.7

C-27018 Emission Points 97001, 97002, 97003

A pre-condenser (D4CON) will be used to condition the air stream prior to treatment in the RKI or Fixed Box #2 Incinerator. Water flow to the condenser will be recorded (on/off) once each shift to verify

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operation.

6 NYCRR 200.7

C-27018 Emission Points 97001, 97002, 97003

A wet scrubber (MTCSS) will be used to condition the air stream prior to treatment in the RKI (RKIAB) or Fixed Box #2 Incinerator (FBIAB). Water flow to the scrubber will be recorded (on/off) to verify operation.

6 NYCRR 201-6.5(f) - The Commissioner has approved of GES' Operational Flexibility Plan dated October 9, 2001 (the "Op-Flex Plan"), which is incorporated into this permit by reference. The objective of the Op-Flex Plan is to maximize operational flexibility by building capability into the GE Silicones' facility Title V Permit for the facility to make specified changes following a pre-established protocol in accordance with 6 NYCRR 201-6.5(f). No permit modifications is required, under any approved emissions trading, economic incentives, marketable permits, or other similar programs or processes for changes that are provided for in this permit (including the Op-Flex Plan). Compliance with the Op-Flex Plan shall serve as compliance with 6 NYCRR Part 212.10 RACT compliance obligations. Changes made pursuant to the Op-Flex Plan shall not trigger the need for a permit modification.

6 NYCRR 212.3(a)

C-27018, C-27035, C-61007, C-62008, C-62014, F-INISH, T-13004, W-97004

Facility will not cause or allow emissions that violate the requirement specified in Table 2, Table 3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner. Emission rates and control efficiencies for each new product are calculated, per the op-flex plan, to verify compliance with this requirement. Emission rate potentials for each existing product are less than the threshold in Table 2 for which controls are required.

6 NYCRR 212.4(a)

C-27018, C-27035, C-62014, F-INISH

No person will cause or allow emissions that violate the requirement specified in Table 2, Table3, or Table 4 of 6 NYCRR Part 212 for the environmental rating issued by the commissioner. Emission rates and control efficiencies for each new product are calculated, per the op-flex plan, to verify compliance with this requirement. The Commissioner has determined that the controls utilized for sources in the above emission units comply with the applicable emission rates potentials when such controls are operated as specified in this permit.

6 NYCRR 212.4(b)

C-27018, C27035, C-61007, C-62008, C-62014, F-INISH, T-13004, W-97004

For gases and liquid particulates with an environmental rating of A, B, or C and for solid particulates with an environmental rating of A, where the emission rate potential is not shown in Table 2 the permissible emission rate shall be specified by the commissioner. Emission rates and control efficiencies for each new product are calculated, per the op-flex plan, to verify compliance with this requirement. For some sources within these emission units, emissions rates potentials for each existing product are less than the threshold in Table 2 for which controls are required, and the Commissioner has not specified a degree of air cleaning pursuant to 6 NYCRR 212.

6 NYCRR 212.4(c)

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C-27018 Emission Points 14006, 24120, 24132, 31003, 31022, 31030, 32038, 37707,
37934, 55001, 57001, 57002

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. If the source equals or exceeds 20% opacity per the monitoring requirement under 212.6(a) more than once per 12 month period, then a stack testing for particulates is performed within 30 days of approval of a protocol. The protocol is submitted within 30 days of this second occurrence of high opacity.

6 NYCRR 212.4(c)

C-27018 Process 700 Emission Source MCSS1

The venturi water flow (ES-GF1C3) is monitored when in the fines reuse mode to ensure sufficient control efficiency.

6 NYCRR 212.6(a)

C-27018 Emission Points 55001, 62005, 62007, 62011, 97001, 97002, 97003, 57001, 24120, 24132, 32028, 37707, 37934, 76004, 76005, 78005, 14006, 62008, 31030, 61801, 31003, 57002, 57003, 31022

C-61007 Emission Points 61007, 61001, 61002, 61003, 61005, 61006, 61008, 61009, 61010, 61805

C-62014 Emission Points 68001, 68002, 68003, 68004

W-97004 Emission Point 95002

F-INISH Emission Points 33002, 42012, 85002, 33003, 33004, 32006, 32007, 32008, 32009, 32016, 32017

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. Compliance with this requirement shall be determined by the facility owner/ operator conducting a visible emissions observation for affected sources with particulate control – once per day during daylight hours while the source is in operation.

If any visible emissions above normal for the source are observed, then a Method 9 shall be performed as soon as possible but no more than two operating days later for the affected source. If opacity results of 20% or greater are identified then the provisions of 6 NYCRR 201-1.4 shall be followed. Records of all observations are to be maintained on-site for a period of five years.

The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation.

6 NYCRR 212.9(b)

C-27018 Emission Point: 35006

The water flow to the scrubber is monitored to ensure the scrubber is operating at the required control efficiency.

6 NYCRR 212.9(b)

F-INISH Emission Point: 76006

Spray tower flow rate is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit

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of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 23002

Water flow rate to the scrubber is monitored to meet required control efficiency. The lower limit of monitoring ensures compliance with all process operations. Engineering calculations is used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Points 24946, 24947

Water flow for eductor scrubber (24SRC) is recorded (on/off) to ensure sufficient control efficiency. This process is controlled by one eductor scrubber which emits through two emission points 24946 and 24947. The lower limit of monitoring ensures compliance with all process batch operations.

6 NYCRR 212.9(b)

F-INISH Emission Point: 76006

Water flow to the third stage of the scrubber is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point: 76006

Water flow to the second stage of the scrubber is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point: 76006

Water flow to the first stage of the scrubber is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Points 76710, 76711

High acid scrubber water flow is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point: 76001

A flow meter is used to monitor the water flow rate to the scrubber to ensure sufficient control efficiency.

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Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 71001

Water scrubber flow creates the proper vacuum to operate the process and removes air contaminants. Water flow to the scrubber is recorded (on/off) to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point: 62005

The Venturi water flow (ES-62EVS) is monitored to ensure sufficient control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point: 62005

The tower water flow (ES-62EST) is monitored to ensure sufficient control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 27024

The scrubber temperature is monitored to ensure the scrubber is operating at the required control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured parameter exceeds the upper limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 27018

The water flow to the scrubber is monitored to ensure the scrubber is operating at the required control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 35031

Scrubber water flow rate is monitored to ensure it is greater than or equal to 3 gallons per minute. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point 35017

The water flow to the scrubber is monitored to ensure the scrubber is operating at the required control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

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6 NYCRR 212.9(b)

C-27018 Emission Point: 62007

The scrubber water flow (ES-MCSVS) is monitored to ensure sufficient control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point: 62011

The Venturi water flow (ES-62WVS) is monitored to ensure sufficient control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27018 Emission Point: 62011

The tower water flow (62WST) is monitored to ensure sufficient control efficiency. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-27035 Emission Point: 27035

The packed tower water scrubber flow is maintained at a minimum of 5 gpm to ensure 99% control efficiency for Part 212. Engineering calculations is used as evidence of compliance with control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

C-62014 Process: 407

Silane feed rate is monitored so that it does not exceed 3,750 lb/hr based on previous trial burn feed rate.

6 NYCRR 212.9(b)

C-27018 Emission Point 32050

Each condenser's outlet gas temperature is monitored when the ERP of non-VOCs (Octamethylcyclotetra Siloxane) exceeds 10 lb/hr and when "A" rated contaminant ERPs exceeds 1 lb/hr. This process emits through five emission points 32040, 32042, 32044, 32049 and 32050. Engineering calculations is used as evidence of compliance with control efficiency when the measured parameters exceeds the upper limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point 32036, 32037

Condenser outlet temperature is monitored once per batch to ensure sufficient control efficiency. This process emits through two emission points 32026 and 32027. The upper limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured temperature rises above the upper limit of monitoring.

6 NYCRR 212.9(b)

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C-27018 Emission Point: 24944, 24945
High acid scrubber water flow is recorded (on/off) for each batch to ensure sufficient control efficiency.

6 NYCRR 212.9(b)

C-27018 Process: 722 Emission Point: 24945
High acid scrubber water flow is recorded (on/off) for each batch to ensure sufficient control efficiency.

6 NYCRR 212.9(b)

C-27018 Emission Point: 31041
Water flow to the scrubbers is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point: 32028
Scrubber water flow during stripping is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point: 37016
For grade 88476 (main process) the condenser outlet gas temperature is maintained to ensure sufficient control efficiency. The upper limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured temperature rises above the upper limit of monitoring.

6 NYCRR 212.9(b)

F-INISH Emission Point: 71013
Water flow to the scrubber is recorded (on/off) to ensure sufficient control efficiency.

6 NYCRR 212.9(b)

F-INISH Emission Point: 85008
Outlet temperature of condensing column 85TST is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with contaminant control efficiency when the measured parameter exceeds the upper limit of monitoring.

6 NYCRR 212.10(a)(2)

F-INISH Process: 716 Emission Source: DMXR3 Emission Point: 32006
Grades produced in Doughmixer #3 are recorded. Doughmixer #3 does not process any condenser grades (grades with a VOC ERP of greater than 3 lb/hr).

6 NYCRR 212.10(a)(2)

F-INISH Emission Points 32040, 32042, 32044, 32049, 32050

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Grades produced in Doughmixers 5, 6, 7, 8, and 9 are recorded. Grades produced in Doughmixers 5, 6, 7, 8, and 9 with VOC ERPs > 3lb/hr are vented to a condenser during cook steps.

6 NYCRR 212.10(c)(4)(i)

C-27018 Emission Point: 31037, 23002, 31036, 62007, 76001

F-INISH Emission Points 24946, 24947, 32028, 32040, 32042, 32044, 32049, 32050,
85008, 71013, 76007

Volatile organic compound emission points which are equipped with a capture system and a control device with an overall removal efficiency of at least 81% are equipped with reasonably available control technology. VOC emission control efficiencies are calculated, per the op-flex plan, for any new product grades to assure a minimum 81% control. The control devices for the listed processes have been determined to achieve an overall removal efficiency of 81% provided the operating parameters specified in this permit are met.

6 NYCRR 212.10(c)(4)(i)

F-INISH Emission Point 71013

Water flow to the scrubber is recorded (on/off) to ensure sufficient control efficiency.

6 NYCRR 212.10(c)(4)(i)

C-27018 Emission Point 23002

Water flow rate to the scrubber is monitored to meet required control efficiency. The lower limit of monitoring ensures compliance with all process operations. Engineering calculations is used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.10(c)(4)(i)

C-27018 Emission Point: 62007

The scrubber water flow (ES-MCSVS) is monitored to ensure sufficient control efficiency. This monitoring activity also meets the requirement of 212.4(c) (grain loading for PM).

6 NYCRR 212.10(c)(4)(i)

C-27018 Process 703 Emission Source MCSVI

The fire box temperature (ES-MCSVI) is monitored to ensure sufficient control efficiency.

6 NYCRR 212.10(c)(4)(i)

C-27018 Emission Points 24946, 24947

Water flow to the scrubber is recorded (on/off) to ensure sufficient control efficiency. This process emits through two emission points 24946 and 24947.

6 NYCRR 212.10(c)(4)(i)

F-INISH Emission Point 32040, 32042, 32044, 32049, 32050

Each condenser's outlet gas temperature is monitored when the ERP of VOCs exceed 3 lb/hr. This process emits through five emission points 32040, 32042, 32044, 32049 and 32050.

6 NYCRR 212.10(c)(4)(i)

C-27018 Emission Point: 31036 Process 139 Emission Source 310C1, 31DC2

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the lower limit of monitoring.

6 NYCRR 212.10(c)(4)(i)

F-INISH Emission Point: 76006

Water flow to the first stage of the scrubber is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.10(c)(4)(i)

F-INISH Process: 720 Emission Point: 85008

Outlet temperature of condensing column HO8C1 is monitored to ensure sufficient control efficiency. The lower limit of monitoring ensures compliance with all process batch operations. Engineering calculations is used as evidence of compliance with VOC control efficiency when the measured flow rate falls below the lower limit of monitoring.

6 NYCRR 212.10(c)(4)(iii)

F-INISH Emission Points 32040, 32044, 32049

Calculate VOC emissions to confirm that emissions do not exceed 2.7 tpy which would make it economically feasible to install control as evaluated in the economic analysis dated 05/08/98. This process specific RACT demonstration is acceptable to the department and has been submitted to the US Environmental Protection Agency for approval as a revision to the State Implementation Plan.

6 NYCRR 212.10(c)(4)(iii)

F-INISH Emission Point: 32042, 32050

Calculate VOC emissions to confirm that emissions do not exceed 2.6 tpy which would make it economically feasible to install control as evaluated in the economic analysis dated 05/08/98. This process specific RACT demonstration is acceptable to the Department and has been submitted to the US Environmental Protection Agency for approval as a revision to the State Implementation Plan.

6 NYCRR 212.10(c)(4)(iii)

C-27018 Emission Point: 24105

Calculate VOC emissions to confirm that emissions do not exceed 4.92 tpy which would make it economically feasible to install control as evaluated in the economic analysis dated 08/24/07. This process specific RACT demonstration is acceptable to the Department and has been submitted to the US Environmental Protection Agency for approval as a revision to the State Implementation Plan.

6 NYCRR 212.10(c)(4)(iii)

F-INISH Process: 718 Emission Point: 37016

For grade 88476 (rework) the condenser outlet gas temperature is maintained to ensure sufficient control efficiency.

6 NYCRR 212.10(c)(4)(iii)

C-27018 Emission Point 76001

High acid scrubber water flow is monitored to ensure sufficient control efficiency. The lower limit of

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monitoring has been accepted by the department as both RACT and BACT. This has been submitted to USEPA for approval as a revision to the NYS SIP.

6 NYCRR 212.10(c)(4)(iii)

C-27018 Emission Point: 62005, 62011, 24806, 24105

W-97004 Emission Point: 97004, 97005, 97017, 97012, 97011, 97020, 97021

F-INISH Emission Point: 32040, 32032, 32044, 32049, 32050

For the sources listed, General Electric has demonstrated to the Department that the emission point cannot achieve an overall removal efficiency of 81% for reasons of technological or economic feasibility. The Department has accepted a lesser degree of control as reasonably available control technology (RACT). These process specific RACT demonstrations which are acceptable to the Department have been submitted to the USEPA for approval as a revision to the State Implementation Plan.

6 NYCRR 212.10(c)(4)(iii)

C-27018 Emission Point 62005, 62011

The MCS vent scrubber is operated so that Methyl Chloride emissions do not exceed those which make it economically feasible to install control as evaluated in the economic analysis dated 12/98 (17.7 tons/yr). This monitoring condition also meets the BACT requirements of 6 NYCRR 212.5(d).

6 NYCRR 212.10(c)(4)(iii)

W-97004 Emission Point: 97004, 97005, 97011, 97020, 97021

Calculate VOC emissions to confirm that emissions do not exceed those which make it economically feasible to install control as evaluated in the economic analysis dated 4/24/97.

6 NYCRR 212.10(c)(4)(iii)

W-97004 Emission Points 97012, 97017

C-27018 Emission Point 24806

Calculate VOC emissions to confirm that emissions do not exceed those, which make it economically feasible to install control as evaluated in the economic analysis dated 1/96.

6 NYCRR 225-1.2(a)(2), 6NYCRR 225-1.8(a)

U-28002

U-28003

MPM retains fuel oil supplier certifications for each shipment of oil received.

6 NYCRR 227-2.2(b)(1)

U-28002 Process: 409

U-28003 Process: 412

U-28003 Process: 414

Particulate emission limit for a stationary combustion installation firing oil. The facility completes the following once per term of this permit:

- 1) submit, to the Department, an acceptable protocol for the testing of particulate emission limit cited in this condition,
- 2) perform a stack test, based upon the approved test protocol, to determine compliance with the particulate emission limit cited in this condition, and
- 3) all records shall be maintained at the facility for a minimum of five years.

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6 NYCRR 227-2.4(b)(1)

U-28003 Process: 414 Boiler #14

U-28003 Process: 410 Boiler #18

During the combustion of #6 oil in Boiler 14, Boiler 18 will be in operation such that the system average NOx emission does not exceed the regulatory limit of 0.30 lb/mmBTU. Provisions for this method of compliance with 227-2.4(b)(1) are included under 227-2.5(b) "System-wide averaging option". note: Boiler #14 is tested once during each term of the Title V Permit in order to re-establish the NOx emission rates and the allowable ratio of BTUs burned for oil to gas. Boiler #18 has a NOx monitor.

6 NYCRR 227-2.4(d)

U-28003 Emission Point: 28004

U-28003 Emission Point: 28005

A boiler tune-up is performed annually. The facility maintains a log (in the format acceptable to the Department) containing the following information: (1) The date which the equipment was adjusted; and (2) The name, title, and affiliation of the person who adjusted the equipment.

6 NYCRR 227-2.6

Emission Units and Emission Points: Emission Unit: U-28002 Emission Point: 28006

6 NYCRR 227-2.6(b)(3)

The facility:

- (a) Calculates all 24-hr daily arithmetic average NOx emission rates from block hourly arithmetic emission rate averages calculated using data points generated by the CEMS and expressed in terms of pounds on NOx per million BTU;
- (b) Demonstrates compliance with the appropriate emission limit under section 227-2.4 of this Subpart by using a CEMS for measuring NOx and calculating a 24-hour daily arithmetic average NOx emission rate using 40 CFR part 60, Appendix A, Method 19. A 30-day rolling average may be used to demonstrate compliance with the appropriate emission limit from September 16th to April 30th;
- (c) Determines the 24-hour daily arithmetic average NOx emission rate based on the arithmetic average of the block hourly arithmetic average emission rates during each 24 hour daily period average emission rate shall be calculated for each one hour period starting with the period 12:00 a.m. to 1:00 a.m. and continuing through until the last period 11:00 p.m. to 12:00 a.m.; or, starting with the period 12:00 p.m. to 1:00 p.m. and continuing through the last period 11:00 a.m. to 12:00 p.m. The 30 day rolling average shall be the average of the 24 hour daily arithmetic NOx emission rates for a 30 day period; and
- (d) Use at least three data points, collected at 15 minute intervals, to calculate the block hourly arithmetic average emission rates to be used in calculating the 24 hour daily arithmetic average NOx emission rate.
- (iii) At a minimum, valid CEMS data is obtained for 75 percent of the hours per day for 75 percent of the days of the month and 90 percent of the days of the quarter that the affected facility is operating.
- (iv) All valid CEMS data is used in calculating emission rates even if the minimum data requirements of subparagraph 6 NYCRR 227-2.6(b)(3)(iii) are not met.
- (vi) Quarterly accuracy and daily calibration drift tests are performed in accordance with 40 CFR part 60, Appendix F and any additional data requirements determined appropriate by the department.
- (vii) When NOx emission data are not obtained because of CEMS breakdowns and repairs, emission data are obtained by using the 90th percentile value of all CEMS NOx emission data collected over the last 180 days to provide as necessary valid emission data for the minimum requirements in 6 NYCRR 227-

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2.6(b)(3)(iii)

6 NYCRR 229.3(e)(1)

C-27018 Process 090 Emission Source 6204A
 Emission Source 62T12
 Emission Source 62T56
 Process 401 Emission Source 62T56

For a fixed roof storage tank storing volatile organic liquids, the tank is equipped with an internal floating roof with a liquid-mounted primary seal and gasket fittings or equivalent control. Replacement of other than liquid-mounted seals is performed when the tank is cleaned and gas-free for other purposes. In this case, the equivalent control requirement has been met with a combination of submerged fill plus the scrubbers on emission points 62005 and 62011 for Sources 62T12 and 6204A. For source 62T56, the hazardous waste incinerators are used (emission points 97001, 97002, and 97003). The efficiencies alone are over 99% more effective than an internal floating roof with a liquid-mounted primary seal and gasket fittings. No additional monitoring is necessary.

6 NYCRR 229.3(e)(2)(iv)

C-27018 Process 090 Emission Source: 62TBA
 Emission Source: 62T59

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons, must be equipped with submerged fill. The tank has submerged fill, but there are major safety issues with opening it for an annual inspection as would normally be required. Emissions from this tank are also controlled by an additional 99.9+% via the scrubbers to emission points 62005 and 62011. Therefore, no monitoring is necessary for this source.

6 NYCRR 229.3(e)(2)(iv)

F-INISH Emission Point 37924
C-27018 Emission Point 37925

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. Inspection of these affected sources would be impractical due to the fact that the materials stored are odorous and toxic compounds. The tanks would have to be emptied and degassed in order to inspect the dip leg. These sources do have vapor recovery lines in addition to the submerged fill and therefore have no emissions. The permittee visually inspects the vapor recovery lines on an annual basis to ensure proper operation. Inspection records are maintained on site for a period of 5 years.

6 NYCRR 229.3(e)(2)(iv)

F-INISH Process 735 Emission Source 76VS1
 Emission Source 76VS2
 Emission Source 76VS3
 Process 175 Emission Source 85BST
 Process 736 Emission Source 76VS1
 Emission Source 76VS2
 Emission Source 76VS3

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. The permittee visually inspects the

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submerged fill line on an annual basis to ensure proper operation. Inspection records are maintained on site for a period of 5 years. Records contain the date(s) of all inspections, inspection findings and a listing of all equipment repairs or replacements.

6 NYCRR 229.3(e)(2)(iv)

C-27018 Process 090 Emission Source T506D

Emission Source SSTVT

Storage tanks subject to this requirement, with a capacity greater than or equal to 10,000 gallons but less than 20,000 gallons must be equipped with submerged fill. In this case, the equivalent control requirement has been met with a combination of submerged fill plus the hazardous waste incinerators (EPs 97001, 97002, 97003). The incinerator efficiencies alone is over 99% more effective than the submerged fill alone. No additional monitoring is necessary.

6 NYCRR 229.3(e)(2)(v)

EU C-27018 Process 705 Emission Sources 97HT1, 97HT2

Storage tanks subject to this requirement, with a capacity of less than 10,000 gallons must be equipped with a conservation vent. In this case, the equivalent control requirement has been met with a combination of submerged fill plus the hazardous waste incinerators (EPs 97001, 97002, 97003). The incinerators efficiencies are 99.9+% for VOCs, which is greater than a conservation vent. No additional monitoring is necessary.

6 NYCRR 231-2.6

U-28003 Emission Point: 28003

Emissions of NO_x is limited to 77 tpy for emission source BLR14 (Boiler #14) in order to establish ERCs on an annual-rolled monthly basis. Fuel usage is recorded and NO_x calculated as 0.43 lb/mmBTU on oil and 0.13 lb/mmBTU on natural gas.

6 NYCRR 231-2.6

U-28003 Emission Point: 28003

Emissions of NO_x is limited to 20 tpy for emission source BLR15 (Boiler #15) in order to establish ERCs on an annual-rolled monthly basis. Fuel usage is recorded and NO_x calculated as 0.41 lb/mmBTU on oil and 0.08 lb/mmBTU on natural gas.

6 NYCRR 231-2.6

Emission Units: U-28002

Emissions of NO_x is limited to 62 tpy for emission source CS201 (Boiler #13) in order to establish ERCs on an annual-rolled monthly basis. Fuel usage is recorded and NO_x calculated as 0.42 lb/mmBTU on oil and 0.14 lb/mmBTU on natural gas.

6 NYCRR 231-2.6

U-28002

Emissions of NO_x is limited to 128.5 tpy for emission source CS601 (Boiler #18) in order to establish ERCs on an annual-rolled monthly basis. Emissions are calculated by fuel use data and CEM system for NO_x.

6 NYCRR 201-7

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F-INISH

Calculate PM emissions to confirm that they do not exceed the cap of 62.5 tpy.

6 NYCRR 201-7

C-27018	Process: 737	Emission Point: 62011
C-27018	Process: 700	Emission Point: 62011
C-27018	Process: 702	Emission Point: 62011
C-27018	Process: 401	Emission Point: 62011
C-27018	Emission Source: 62TBA	Emission Point: 62011
C-27018	Emission Source: 62T12	Emission Point: 62011
C-27018	Process: 746	Emission Point: 62011
C-27018	Process: 748	Emission Point: 62011
C-27018	Emission Source: 6204A	Emission Point: 62011

The spray tower water flow (6SWVS) is monitored to ensure sufficient control efficiency. This monitoring activity also meets the requirements of 6 NYCRR 212.10(c)(4)(i) for VOC (RACT) and 6 NYCRR 212.4(c) for PM.

6 NYCRR 201-7

U-28002 Emission Point 28006

SO₂ emissions from ES BLR18 (boiler #18), calculated using AP-42 emission factors from EPA TTN CHIEF website Table 1.4-2 July 1998, and Table 1.3-1 September 1998, do not exceed 40 tpy on an annual rolled monthly basis.

6 NYCRR 201-7

U-28002

U-28003

The total SO₂ emissions from EUs 28002 and U28003 combined may not exceed 70.5 tpy on a 12 month rolling basis. Fuel use is monitored and SO₂ emissions calculated using AP-42 emission factors from EPA TTN CHIEF website Table 1.4-2, July 1998, and Table 1.3-1, September 1998, and allowable sulfur content. The total PM emissions from EUs U28002 and U28003 combined may not exceed 15.5 tpy on a 12 month rolling basis. Fuel use is monitored and particulate emissions calculated using AP-42 emission factors from EPA TTN CHIEF website Table 1.4-2, July 1998, and Table 1.3-1, September 1998. The total PM-10 emissions from EUs U28002 and U28003 combined may not exceed 15.5 tpy on a 12 month rolling basis. Fuel use is monitored and particulate emissions calculated using AP-42 emission factors from EPA TTN CHIEF website Table 1.4-2, July 1998, and Table 1.3-1, September 1998.

6 NYCRR 201-7

C-27018

The old silicon grinding plant is inoperable, and will require significant renovation in order to become operational. This certification will become applicable upon startup of the old silicon grinding plant. The old silicon grinding plant will not operate more than 6600 hours per year. A record is kept to document that the plant is operated. This requirement results from the MCS IV project which affected EP#s 27018, 27022, 27023, 28002, 28003, 28004, 28005, 28006, 55005, 57004, 61001, 61002, 61003, 61005, 61006, 62005, 62011, 62007, 65001, 95002, 97001, 97002, and 97003.



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6 NYCRR 201-7

F-INISH

Calculate VOC emissions to confirm that emissions do not exceed the cap of 201.5 tpy.

6 NYCRR 201-7

C-27018	Process: 737	Emission Point: 62005
C-27018	Process: 700	Emission Point: 62005
C-27018	Process: 702	Emission Point: 62005
C-27018	Process: 401	Emission Point: 62005
C-27018	Emission Source: 62TBA	Emission Point: 62005
C-27018	Process: 748	Emission Point: 62005
C-27018	Emission Source: 62T12	Emission Point: 62005
C-27018	Process: 746	Emission Point: 62005
C-27018	Emission Source: 6204A	Emission Point: 62005

The Venturi water flow (62EVS) is monitored to ensure sufficient control efficiency. This monitoring activity also assures compliance with the VOC requirements of 6NYCRR 212.10(c)(4)(i), and 40 CFR 60 Subpart Kb. It also assures compliance with Particulate requirements under 6NYCRR 212.4(c).

6 NYCRR 201-7

C-27018 Emission Point: 97003

This compliance monitoring cap is for purposes of complying with PSD.

1. Annual SO₂ emissions from this emission point are less than 40 TPY.
2. Compliance with limit (1) is demonstrated by monitoring and recording the amount of fuel oil and APS waste burned daily in this emission point. GE shall maintain a record of SO₂ emissions, calculated using 0.00332 lb SO₂/gal for APS and an AP-42 emission factor from EPA TTN CHIEF Table 1.3-1, September 1998, combined with the maximum allowable sulfur content shall be used for fuel oil combustion.
3. Fuel use records and records of total SO₂ emissions are maintained at GE for 5 years after being recorded, and are made available to representative of either NYSDEC or USEPA upon request during normal business hours.

6 NYCRR 201-7

U-28002

The total SO₂ emissions from emission unit U28002 may not exceed 42.5 tpy on an annual rolled monthly basis.

6 NYCRR 201-7

Emission Unit: ALL

Sulfur content of #2 fuel oil burned at the facility may not exceed 0.5% by weight for PSD purposes.

6 NYCRR 201-7

C-62008	Process: 419	Emission Source: 55HOF
C-62008	Process: 419	Emission Source: 57HOF
C-62008	Process: 419	Emission Source: 65HOF

The three hot oil furnaces are currently incapable of burning fuel oil. This certification will become applicable upon the furnaces becoming capable of burning #2 fuel oil. Each of the three hot oil furnaces

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40 CFR 60.662(a), NSPS Subpart NNN
C-27018Process 703, 710

The permittee reduces emissions of TOC (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. For the boiler or process heater used to comply with this paragraph, the vent stream is introduced into the flame zone of the boiler or process heater.

An initial performance test as required by the NSPS General Provisions (40 CFR §60.8) has already been performed. For any future performance test, the permittee must follow the methods and procedures in 40 CFR §60.664 as appropriate. Continuing compliance is determined by monitoring vent stream flow and boiler/process heater temperature per 40 CFR §60.663(c). Monitoring records are maintained and reported according to 40 CFR §60.665 as described in the permit condition citing that section.

40 CFR 60.663(a), NSPS Subpart NNN
C-27018Process 703, 710

The owner or operator of an affected facility that uses an incinerator to seek to comply with the TOC emission limit specified under 40 CFR 60.662(a) installed, calibrated, maintained, and operated according to manufacturer's specifications the following equipment:

(1) a temperature monitoring device equipped with a continuous recorder and having an accuracy of +/- 1 % of the temperature being monitored expressed in degrees Celsius or +/- 0.5 deg C, whichever is greater.

(i) where an incinerator other than a catalytic incinerator is used, a temperature monitoring device shall be installed in the firebox.

(ii)

40 CFR 60.665, NSPS Subpart NNN
C-27018Process 703, 710

The permittee keeps an up-to-date, readily accessible record of the following data measured during each performance test, and also includes the following data in the report of the initial performance test required under § 60.8. Where a boiler or process heater with a design heat input capacity of 44 MW (150 million Btu/hour) or greater is used to comply with § 60.662(a), a report containing performance test data need not be submitted, but a report containing the information in § 60.665(b)(2)(i) is required.

The permittee keeps up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under § 60.663 (a) and (c) as well as up-to-date, readily accessible records of periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

The permittee keeps up to date, readily accessible continuous records of the flow indication specified under § 60.663(a)(2), § 60.663(b)(2) and § 60.663(c)(1), as well as up-to-date, readily accessible records of all periods when the vent stream is diverted from the control device or has no flow rate. The permittee is exempt from the quarterly reporting requirements contained in § 60.7(c) of the General Provisions with regard to the records maintained pursuant to this condition. The permittee submits to the Administrator semiannual reports of recorded information.

40 CFR 60.702(a), NSPS Subpart RRR
C-27018 Process: 701

Emission Source: 97NRR

The permittee shall reduce emissions of TOC (less methane and ethane) by 98 weight-percent, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen,

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whichever is less stringent. An initial performance test as required by the NSPS General Provisions (40 CFR 60.8) has already been performed. For any future performance test, the permittee must follow the methods and procedures in 40 CFR 60.704 as appropriate.

Continuing compliance is determined by monitoring vent stream flow and boiler/incinerator temperature per 40 CFR 60.703(c). Monitoring records are maintained and reported according to 40 CFR 60.705 as described in the permit condition citing that section.

40 CFR 63.102(a), Subpart F

C-27018 Process 402, 403, 404, 405, 406

The provisions set forth in 40 CFR 63, Subparts F and G apply at all times except during periods of start-up, shutdown, malfunction, or non-operation of the chemical manufacturing process unit resulting in the cessation of emissions to which the subparts apply. However, if the start-up, shutdown, malfunction, or non-operation of a CMPU does not affect the ability of an emission point to comply with the specific provisions to which it is subject, then that emission point is still required to comply with the applicable provisions.

Items of equipment that are required for compliance with the provisions of Subpart F, G, or H are not shut down during times when emissions are being routed to such items of equipment, if the shutdown would contravene requirements of this subpart F, G, or H applicable to such items of equipment. This does not apply if the item of equipment is malfunctioning, or if the equipment was shutdown to avoid damage due to a contemporaneous start-up, shutdown, or malfunction of the CMPU or portion thereof. During start-ups, shutdowns, and malfunctions when the requirements of Subparts F, G, and H do not apply, measures are implemented, to the extent reasonably available, to prevent or minimize emissions in excess of those that would have occurred if there were no start-up, shutdown, or malfunction and the owner/operator complied with Subpart(s) F, G, and/or H. The measures taken are included in the applicable start-up, shutdown, malfunction plan.

40 CFR 63.102(a)(2), Subpart F

C-27018 Process 400

The provisions set forth in subpart H apply at all times except during periods of startup, shutdown, malfunction, process unit shutdown (as defined in 63.161), or non-operation of the chemical manufacturing process unit in which the lines are drained and depressurized resulting in cessation of the emissions to which subpart H would apply.

40 CFR 63.104, Subpart F

C-27018 Process 406

If a leak is detected, it is repaired as soon as practical but not later than 45 calendar days after the owner/operator is notified of the results indicating a leak. The owner/operator confirms the repair within 7 days of the repair or startup, whichever is later. The owner/operator retains the required records.

The owner/operator has developed a monitoring plan that documents the procedures to be used to detect leaks. The plan requires monitoring of at least one surrogate indicator or at least one process parameter that indicates a leak in the heat exchange system. The owner/operator revises the plan within 180 days if a leak is identified by a method not in the plan and the methods in the plan could not detect the leak. The plan is maintained on-site and is readily accessible within 2 hours after a request.

The cooling water is monitored for total HAPs, total VOCs, TOC, one or more speciated HAPs, or any

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other representative substances that would indicate the presence of a leak. The cooling water is monitored monthly for the first six months and quarterly thereafter.

40 CFR 63.104(c), Subpart F
C-27018Process 406

The owner or operator who elects to comply with the requirement of paragraph (a) of this section by monitoring using a surrogate indicator of heat exchange system leaks shall comply with the requirements specified in paragraphs (c)(1) through (c)(3) of this section. Surrogate indicators that could be used to develop an acceptable monitoring program are ion specific electrode monitoring, pH, conductivity or other representative indicators.

40 CFR 63.105, Subpart F
C-27018Process 404

The owner/operator prepared a description of maintenance procedures for management of wastewaters, which contain organic HAPs listed in table 9 of Subpart G, that are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns such as routine maintenance. This information is updated as needed following each maintenance procedure based on the actions taken and the wastewater generated in the preceding maintenance procedure. The procedures described are implemented as part of the startup, shutdown, and malfunction plan required under 40CFR63.6(e)(3). A record is maintained of the information required above in the startup, shutdown, and malfunction plan.

40 CFR 63.105
C-27018
C-27035
F-INISH

The owner/operator shall prepare a description of maintenance procedures for management of wastewaters, which contain organic HAPs listed in Tables 8 and 9 of Subpart FFFF, that are generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns such as routine maintenance. This information shall be updated as needed following each maintenance procedure based on the actions taken and the wastewater generated in the preceding maintenance procedure. The procedures described shall be implemented as part of the startup, shutdown, and malfunction plan required under 40CFR63.6(e)(3). A record shall be maintained of the information required above in the startup, shutdown, and malfunction plan.

40CFR 63.113, Subpart G
C-27018Process 401

(c) Halogenated vent streams from Group 1 process vents that are combusted shall be controlled according to paragraph (c)(1) of this section. (1) If a combustion device is used to comply with paragraph (a)(2) of this section for a halogenated vent stream, then the gas stream exiting the combustion device shall be conveyed to a halogen reduction device, such as a scrubber, before it is discharged to the atmosphere.

(i)

(ii) If a scrubber or other halogen reduction device was installed prior to December 31, 1992, the device shall reduce overall emissions of hydrogen halides and halogens, as defined in § 63.111 of this subpart,

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by 95 percent or shall reduce the outlet mass of total hydrogen halides and halogens to less than 0.45 kilograms per hour, whichever is less stringent. The MCS vent scrubber (MCSVSV) satisfies this requirement.

40 CFR 63.113(a)(2), Subpart G
C-27018 Process 401

The owner /operator of a Group 1 process vent shall reduce emissions of total OHAP by 98% by weight or to a concentration of 20 ppm by volume whichever is less stringent. If a control device is used to comply with this requirement, the owner /operator shall use Method 18 as described in §63.116(c) in order to demonstrate compliance with the emissions reduction requirement. The MCS vent incinerator (MCSVVI) satisfies this requirement.

40 CFR 63.113(b), Subpart G
C-27018 Emission Point: 62007

The vent stream shall be introduced into the flame zone of such a device.

40 CFR 63.114(a)(1)(i), Subpart G
C-27018 Emission Points 97001, 97002, 97003

The facility operates a temperature monitoring device equipped with a continuous recorder.

40 CFR 63.114(a)(3), Subpart G
C-27018 Emission Point: 62007

Facility operates a temperature monitoring device in the firebox equipped with a continuous recorder.

40 CFR 63.114(a)(4)(i), Subpart G
C-27018 Emission Point: 62007

Facility operates a pH monitoring device equipped with a continuous recorder to monitor the pH of the scrubber effluent. Minimum pH of 0.3 is required.

40 CFR 63.114(a)(4)(i), Subpart G
C-27018 Emission Points 97001, 97002, 97003

Facility operates a pH monitoring device equipped with a continuous recorder to monitor the pH of the scrubber effluent. Minimum pH of 8.4 is required for the IWS scrubber.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 62007

Gas flow rate is determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section. (A) The owner or operator determines gas flow rate using the design blower capacity, with appropriate adjustments for pressure drop.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 62007

Facility operates a flow meter equipped with a continuous recorder located at the scrubber influent for liquid flow.

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40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97001

The facility operates a flow meter equipped with a continuous recorder at the scrubber influent for liquid flow. The countercurrent scrubber flow rate is monitored to maintain 957 gallons per minute.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97001

Gas flow rate is determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section. The owner or operator determines gas flow rate using the design blower capacity, with appropriate adjustments for pressure drop. Monitoring of the stack flow rate for 40 CFR Part 63, Subpart EEE compliance meets the requirements of this condition.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97002

The facility operates a flow meter equipped with a continuous recorder located at the scrubber influent for liquid flow. The countercurrent scrubber flow rate is monitored to maintain 1,118 gallons per minute.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97002

Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section. The owner or operator determines gas flow rate using the design blower capacity, with appropriate adjustments for pressure drop. Monitoring of the stack flow rate for 40 CFR Part 63, Subpart EEE compliance meets the requirements of this condition.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97003

Gas flow rate shall be determined using one of the procedures specified in paragraphs (a)(4)(ii)(A) through (C) of this section. (A) The owner or operator determines gas flow rate using the design blower capacity, with appropriate adjustments for pressure drop. Monitoring of the stack flow rate for 40 CFR Part 63, Subpart EEE compliance meets the requirements of this condition.

40 CFR 63.114(a)(4)(ii), Subpart G
C-27018 Emission Point: 97003

Facility operates a flow meter equipped with a continuous recorder located at the scrubber influent for liquid flow. The countercurrent scrubber flow rate is monitored to maintain 1,160 gallons per minute.

40 CFR 63.119(b), Subpart G
C-27018 Process 402

MPM has and/or is complying with requirements as spelled out in this regulation. This monitoring activity also assures compliance with the requirements of 6 NYCRR Part 229.3(e)(1).

40 CFR 63.119(e), Subpart G
C-27018 Process 405

The owner/operator of each closed vent system and control device for storage vessels shall design and operate the control device to reduce inlet emissions of total organic HAP by 95% or greater. Periods of planned routine maintenance of the control device, during which the control device will not meet the

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percent reduction requirement above, do not exceed 240 hours per year. Compliance with this provision is demonstrated by submitting with each periodic report as required by 40CFR63.152(c), a description of the planned routine maintenance anticipated for the next 6 months including the type of maintenance necessary, planned frequency, and lengths of maintenance periods, along with a description of the maintenance performed within the last 6 months including the type of maintenance and the total number of hours that the control device did not meet the percent reduction requirement above.

To demonstrate compliance, the owner/operator has either prepared a design evaluation or submitted the results of a performance test. The design evaluation shall include documentation demonstrating that the control device being used achieves the required control efficiency during reasonably expected maximum filling rate. This documentation shall include a description of the gas stream which enters the control device, including flow and organic HAP content under varying liquid level conditions, and the information specified in 40CFR63.120(d)(1)(i)(A) through (E), as applicable. The performance test must demonstrate that the control device achieves greater than or equal to the required control efficiency specified above and shall be submitted with the Notification of Compliance Status report as required by 40CFR63.151(b). The owner/operator in this case shall also submit identification of the emission points that share the control device with the storage vessel and for which the performance test is conducted. The owner/operator submitted a monitoring plan with the Notification of Compliance Status report as required by 40CFR63.151(b) containing a description of the parameter of parameters to be monitored to ensure that the control device is being properly operated and maintained, an explanation of the criteria used for selection of that parameter, the operating range for each parameter, and the frequency with which monitoring is performed. If the owner/operator wishes to submit the results from a performance test, an identification of the storage vessel, control device, and emission point(s) that share the control device shall also be submitted.

40 CFR 63.132(f)

C-27018, C-27035, F-INISH, W-97004

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, owners or operators of sources subject to this subpart shall not discard liquid or solid organic materials with a concentration of greater than 10,000 parts per million of Table 8 and 9 compounds (as determined by analysis of the stream composition, engineering calculations, or process knowledge, according to the provisions of §63.144(b) of this subpart) from an MCPU to water or wastewater, unless the receiving stream is managed and treated as a Group 1 wastewater stream. This prohibition does not apply to materials from the activities listed in paragraphs (f)(1) through (f)(4) of this section.

40 CFR 63.133(a)(1)

W-97004 Emission Points 97004, 97005, 97041, 97042, 97008, 97043

F-INISH Emission Points 24141, 37948

C-27018 Emission Point 24949

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart. Tanks with a capacity that is less than 75 cubic meters must comply with Section 63.133(a)(1): operate and maintain a fixed roof. In accordance with 40 CFR 63.2535(g), the facility may elect to determine whether the applicable RCRA provisions of 40 CFR Parts 260 through 270 contain more stringent requirements and, if so, comply with this permit condition by fulfilling the applicable RCRA provisions.

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40 CFR 63.133(a)(1)

W-97004 Emission Points 97011, 97012, 97020, 97021, 97047, 97048, 97049

F-INISH Emission Point 23100

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart. Tanks with a capacity that is greater than 75 and less than 151 cubic meters and receiving material with a maximum true vapor pressure that is less than 13.1kPa must comply with Section 63.133(a)(1): operate and maintain a fixed roof. In accordance with 40 CFR 63.2535(g), the facility may elect to determine whether the applicable RCRA provisions of 40 CFR Parts 260 through 270 contain more stringent requirements and, if so, comply with this permit condition by fulfilling the applicable RCRA provisions.

40 CFR 63.133(a)(2)

C-27018 Process 213

For each wastewater tank that receives, manages, or treats a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of either paragraph (a)(1) or (a)(2) of this section as specified in table 10 of this subpart. Tanks with a capacity that is greater than or equal to 75 and less than 151 cubic meters and receiving material with a maximum true vapor pressure that is greater than or equal to 13.1kPa must comply with Section 63.133(a)(2): (i) a fixed roof and a closed-vent system that routes the organic hazardous air pollutants vapors vented from the wastewater tank to a control device. Tank 20KEQ will be vented to the RKI (RKIAB) or the Fixed Box #2 Incinerator (FBIAB) to meet this requirement.

Tanks with a capacity that is greater than or equal to 151 cubic meters must comply with Section 63.133(a)(2): (ii) A fixed roof and an internal floating roof that meets the requirements specified in §63.119(b) of this subpart. Tank 40KEQ will be vented to the RKI (RKIAB) or the Fixed Box #2 Incinerator (FBIAB) to meet this requirement.

40 CFR 63.133(f)

F-INISH Emission Points 24141, 37948

C-27018 Emission Point 24949

W-97004 Emission Points 97011, 97012, 97020, 97021, 97041, 97042, 97043, 97047, 97048, 97049

Except as provided in paragraph (e) of this section, each wastewater tank shall be inspected initially, and semi-annually thereafter, for improper work practices in accordance with §63.143 of this subpart. For wastewater tanks, improper work practice includes, but is not limited to, leaving open any access door or other opening when such door or opening is not in use. In accordance with 40 CFR 63.2535(g), the facility may elect to determine whether the applicable RCRA provisions of 40 CFR Parts 260 through 270 contain more stringent requirements and, if so, comply with this permit condition by fulfilling the applicable RCRA provisions.

40 CFR 63.135(b)

C-27018 Process 205

C-27035 Process 206

F-INISH Process 207

(b) The owner or operator shall operate and maintain a cover on each container used to handle, transfer,

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or store a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream in accordance with the following requirements:

(1) Except as provided in paragraph (d)(4) of this section, if the capacity of the container is greater than 0.42 m³, the cover and all openings (e.g., bungs, hatches, sampling ports, and pressure relief devices) shall be maintained in accordance with the requirements specified in §63.148 of this subpart.

40 CFR 63.135(b)
C-27018 Process 205
C-27035 Process 206
F-INISH Process 207

(b) The owner or operator shall operate and maintain a cover on each container used to handle, transfer, or store a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream in accordance with the following requirements:

- (1)
- (2) If the capacity of the container is less than or equal to 0.42 m³, the owner or operator shall comply with either paragraph (b)(2)(i) or (b)(2)(ii) of this section.
 - (i) The container must meet existing Department of Transportation specifications and testing requirements under 49 CFR part 178; or
 - (ii) Except as provided in paragraph (d)(4) of this section, the cover and all openings shall be maintained without leaks as specified in §63.148 of this subpart.

40 CFR 63.135(b)
C-27018 Process 205
C-27035 Process 206
F-INISH Process 207

(3) The cover and all openings shall be maintained in a closed position (e.g., covered by a lid) at all times that a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream is in the container except when it is necessary to use the opening for filling, removal, inspection, sampling, or pressure relief events related to safety considerations.

40 CFR 63.135(c)
C-27018 Process 205
C-27035 Process 206
F-INISH Process 207

(c) For containers with a capacity greater than or equal to 0.42 m³, a submerged fill pipe shall be used when a container is being filled by pumping with a Group 1 wastewater stream or residual removed from a Group 1 wastewater stream.

- (1) The submerged fill pipe outlet shall extend to no more than 6 inches or within two fill pipe diameters of the bottom of the container while the container is being filled.
- (2) The cover shall remain in place and all openings shall be maintained in a closed position except for those openings required for the submerged fill pipe and for venting of the container to prevent physical damage or permanent deformation of the container or cover.

40 CFR 63.135(e)
C-27018 Process 205
C-27035 Process 206

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F-INISH Process 207

Each container shall be inspected initially, and semi-annually thereafter, for improper work practices and control equipment failures in accordance with §63.143 of this subpart.

- (1) For containers, improper work practice includes, but is not limited to, leaving open any access hatch or other opening when such hatch or opening is not in use.
- (2) For containers, control equipment failure includes, but is not limited to, any time a cover or door has a gap or crack, or is broken.

40 CFR 63.135(f)

C-27018 Process 205

C-27035 Process 206

F-INISH Process 207

Except as provided in §63.140 of this subpart, when an improper work practice or a control equipment failure is identified, first efforts at repair shall be made no later than 5 calendar days after identification and repair shall be completed within 15 calendar days after identification.

40 CFR 63.136

63.136(a) For each individual drain system that receives or manages a Group 1 wastewater stream or a residual removed from a Group 1 wastewater stream, the owner or operator shall comply with the requirements of paragraphs (b), (c), and (d) or with paragraphs (e), (f), and (g) of this section.

40 CFR 63.138(a)

C-27018 Process 217

F-INISH Process 218, 219

(4) Performance tests and design evaluations. If design steam stripper option (§63.138(d)) or Resource Conservation and Recovery Act (RCRA) option (§63.138(h)) is selected to comply with this section, neither a design evaluation nor a performance test is required. For any other non-biological treatment process, and for closed biological treatment processes as defined in §63.111 of this subpart, the owner or operator shall conduct either a design evaluation as specified in §63.138(j), or a performance test as specified in §63.145, of this subpart. For each open biological treatment process as defined in §63.111 of this subpart, the owner or operator shall conduct a performance test as specified in §63.145 of this subpart.

40 CFR 63.138(d)

C-27018 Process 217

F-INISH Process 218, 219

Design steam stripper option. The owner or operator shall operate and maintain a steam stripper that meets the requirements of paragraphs (d)(1) through (d)(6) of this section.

- (1) Minimum active column height of 5 meters,
- (2) Countercurrent flow configuration with a minimum of 10 actual trays,
- (3) Minimum steam flow rate of 0.04 kilograms of steam per liter of wastewater feed within the column,
- (4) Minimum wastewater feed temperature to the steam stripper of 95 °C, or minimum column operating temperature of 95 °C,
- (5) Maximum liquid loading of 67,100 liters per hour per square meter, and
- (6) Operate at nominal atmospheric pressure.

Group 1 process wastewater streams resulting from MON MCPUs will be routed to a design steam

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stripper meeting these requirements.

40 CFR 63.138(k)

C-27018Process 217

F-INISHProcess 218, 219

(k) Residuals. For each residual removed from a Group 1 wastewater stream, the owner or operator shall control for air emissions by complying with §§63.133–137 of this subpart and by complying with one of the provisions in paragraphs (k)(1) through (k)(4) of this section.

(3) Treat the residual to destroy the total combined mass flow rate of Table 8 and/or Table 9 compounds by 99 percent or more, as determined by the procedures specified in §63.145(c) or (d) of this subpart.

(4) Comply with the requirements for RCRA treatment options specified in §63.138(h) of this subpart.

40 CFR 63.139(b)

C-27018Process 213 Emission Source 20KEQ

(b) Whenever organic hazardous air pollutants emissions are vented to a control device which is used to comply with the provisions of this subpart, such control device shall be operating.

40 CFR 63.139(c)

C-27018Process 213 Emission Source 20KEQ

The control device shall be designed and operated in accordance with paragraph (c)(1), (c)(2), (c)(3), (c)(4), or (c)(5) of this section.

(5) Any other control device used shall, alone or in combination with other control devices, reduce the total organic compound emissions, less methane and ethane, or total organic hazardous air pollutants emissions vented to the control device by 95 percent by weight or greater or achieve an outlet total organic compound concentration, less methane and ethane, or total organic hazardous air pollutants concentration of 20 parts per million by volume, whichever is less stringent. The 20 parts per million by volume performance standard is not applicable to compliance with the provisions of §63.134 or §63.135 of this subpart.

Emissions from these sources (PKSDT, 30WWT, and 20KEQ) will be vented to the RKI (RKIAB) or Fixed Box #2 Incinerator (FBIAB).

40 CFR 63.139(f)

C-27018Process 213 Emission Source 20KEQ

Except as provided in §63.140 of this subpart, if gaps, cracks, tears, or holes are observed in ductwork, piping, or connections to covers and control devices during an inspection, a first effort to repair shall be made as soon as practical but no later than 5 calendar days after identification. Repair shall be completed no later than 15 calendar days after identification or discovery of the defect.

40 CFR 63.140

C-27018Process 213 Emission Source 20KEQ

(a) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has been identified, is allowed if the repair is technically infeasible without a shutdown, as defined in §63.101 of subpart F of this part, or if the owner or operator determines that emissions of purged material from immediate repair would be greater than the emissions likely to result from delay of repair. Repair of this equipment shall occur by the end of the next shutdown.

(b) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has

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been identified, is allowed if the equipment is emptied or is no longer used to treat or manage Group 1 wastewater streams or residuals removed from Group 1 wastewater streams.

(c) Delay of repair of equipment for which a control equipment failure or a gap, crack, tear, or hole has been identified is also allowed if additional time is necessary due to the unavailability of parts beyond the control of the owner or operator. Repair shall be completed as soon as practical. The owner or operator who uses this provision shall comply with the requirements of §63.147(b)(7) to document the reasons that the delay of repair was necessary.

40 CFR 63.143(e)

C-27018 Process 213 Emission Source 20KEQ

(e) Except as provided in paragraphs (e)(4) and (e)(5) of this section, for each control device used to comply with the requirements of §§63.133 through 63.139 of this subpart, the owner or operator shall comply with the requirements in §63.139(d) of this subpart, and with the requirements specified in paragraph (e)(1), (e)(2), or (e)(3) of this section.

40 CFR 63.143(g)

C-27018 Process 213 Emission Source 20KEQ

Monitoring equipment shall be installed, calibrated, and maintained according to the manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

40 CFR 63.146 (b)

C-27018

C-27035

F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator shall submit the information specified in paragraphs (b)(1) through (b)(9) of this section as part of the Notification of Compliance Status required by §63.152(b) of this subpart.

40 CFR 63.147

F-INISH Emission Points 23100, 24141, 37948

C-27018 Emission Point 24949

W-97004 Emission Points 97004, 97005, 97008, 97011, 97012, 97020, 97021,
97042, 97043, 97047, 97048, 97049

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, the owner or operator shall keep in a readily accessible location the records specified in paragraphs (b)(1) through (8) of the section.

40 CFR 63.148

C-27018 Process 205, 206

F-INISH Process 207

(d) For large containers (capacity greater than 0.42 m³) and small containers (capacity less than or equal to 0.42 m³) that do not meet existing Department of Transportation specifications and testing requirements under 49 CFR part 178, the leak inspection provisions in 40 CFR 63.148 apply. In accordance with 63.148(d), leaks, as indicated by an instrument reading greater than 500 parts per million above background or by visual inspections, shall be repaired as soon as practicable, except as provided in paragraph (e) of this section.

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(e) Delay of repair of a vapor collection system, closed vent system, fixed roof, cover, or enclosure for which leaks have been detected is allowed if the repair is technically infeasible without a shutdown, as defined in §63.101 of subpart F of this part, or if the owner or operator determines that emissions resulting from immediate repair would be greater than the fugitive emissions likely to result from delay of repair. Repair of such equipment shall be complete by the end of the next shutdown.

(f)

(g) Any parts of the vapor collection system, closed vent system, fixed roof, cover, or enclosure that are designated, as described in paragraph (i)(1) of this section, as unsafe to inspect are exempt from the inspection requirements of paragraphs (b)(1), (b)(2), and (b)(3)(i) of this section if:

(1) The owner or operator determines that the equipment is unsafe to inspect because inspecting personnel would be exposed to an imminent or potential danger as a consequence of complying with paragraphs (b)(1), (b)(2), or (b)(3)(i) of this section; and

(2) The owner or operator has a written plan that requires inspection of the equipment as frequently as practicable during safe-to-inspect times.

(h) Any parts of the vapor collection system, closed vent system, fixed roof, cover, or enclosure that are designated, as described in paragraph (i)(2) of this section, as difficult to inspect are exempt from the inspection requirements of paragraphs (b)(1), (b)(2), and (b)(3)(i) of this section if:

(1) The owner or operator determines that the equipment cannot be inspected without elevating the inspecting personnel more than 2 meters above a support surface; and

(2) The owner or operator has a written plan that requires inspection of the equipment at least once every 5 years.

(i) The owner or operator shall record the information specified in paragraphs (i)(1) through (i)(5) of this section.

(j) The owner or operator shall submit with the reports required by §63.182(b) of subpart H of this part or with the reports required by §63.152(c) of this subpart, the information specified in paragraphs (j)(1) through (j)(3) of this section.

40 CFR 63.680(D)

Facility Level

The total annual quantity of the HAP that is contained in the off-site material received at the plant site is less than 1 megagram per year. An initial determination of the total annual HAP quantity in the offsite material received at the plant site has been prepared. A new determination must be prepared whenever the extent of changes to the quantity or composition of the off-site material received at the plant site could cause the total annual HAP quantity in the offsite material received at the plant site to exceed the limit of 1 megagram per year. Documentation is maintained to support the determination of the total annual HAP quantity in the off-site material received at the plant site. This documentation includes the basis and data used for determining the HAP content of the off-site material.

40 CFR 63.983(a)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

Except for closed vent systems operated and maintained under negative pressure, the provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

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40 CFR 63.983(b)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

Inspection records shall be generated as specified in §63.998(d)(1)(iii) and (iv) of this section.

40 CFR 63.983(c)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

The provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

40 CFR 63.983(d)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

The provisions of this paragraph apply to closed vent systems collecting regulated material from a regulated source.

40 CFR 63.988(a)

C-27018 Process 033, 035, 078, 080, 093, 119, 143

(2) Incinerators, boilers, or process heaters used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

(3) For boilers and process heaters, the vent stream shall be introduced into the flame zone of the boiler or process heater.

40 CFR 63.988(b)

C-27018 Process 033, 035, 078, 080, 090, 093, 119, 143

(2) An owner or operator is not required to conduct a performance test when any of the control devices specified in paragraphs (b)(2)(i) through (iv) of this section are used.

(i) A hazardous waste incinerator for which the owner or operator has been issued a final permit under 40 CFR part 270 and complies with the requirements of 40 CFR part 264, subpart O, or has certified compliance with the interim status requirements of 40 CFR part 265, subpart O. The RKI and FBI, which will receive the Group 1 batch process vents from the listed processes, are exempt from the performance test requirements.

40 CFR 63.990(a)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(2) Absorbers, condensers, and carbon adsorbers used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

40 CFR 63.990(b)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

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C-27035 Process 056

F-INISH Process 069, 081, 169

Except as specified in §63.997(b), the owner or operator shall conduct an initial performance test of any absorber or condenser used as a control device to comply with the provisions of the referencing subpart and this subpart according to the procedures in §63.997.

40 CFR 63.994(a)(2)

C-27018 Process 085, 090

C-27035 Process 056

F-INISH Process 069, 081, 169

(2) Halogen scrubbers and other halogen reduction devices used to comply with the provisions of a referencing subpart and this subpart shall be operated at all times when emissions are vented to them.

40 CFR 63.994(b)

C-27018 Process 090

(1) An owner or operator of a combustion device followed by a halogen scrubber or other halogen reduction device to control halogenated vent streams in accordance with a referencing subpart and this subpart shall conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in §63.997. Performance test records shall be kept as specified in §63.998(a)(2) and a performance test report shall be submitted as specified in §63.999(a)(2).

40 CFR 63.994(b)

C-27018 Process 090

(1) An owner or operator of a combustion device followed by a halogen scrubber or other halogen reduction device to control halogenated vent streams in accordance with a referencing subpart and this subpart shall conduct an initial performance test to determine compliance with the control efficiency or emission limits for hydrogen halides and halogens according to the procedures in §63.997. Performance test records shall be kept as specified in §63.998(a)(2) and a performance test report shall be submitted as specified in §63.999(a)(2). In accordance with 63.2465(c)(1), a design evaluation may be conducted in lieu of a performance test.

40 CFR 63.996

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(c)(1) All monitoring equipment shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(2) The owner or operator of a regulated source shall maintain and operate each CPMS as specified in this section, or in a relevant subpart, and in a manner consistent with good air pollution control practices.

(3) All CPMS's shall be installed and operational, and the data verified as specified in this subpart either prior to or in conjunction with conducting performance tests. Verification of operational status shall, at a minimum, include completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

(4) All CPMS's shall be installed such that representative measurements of parameters from the regulated

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source are obtained.

(5) In accordance with the referencing subpart, except for system breakdowns, repairs, maintenance periods, instrument adjustments, or checks to maintain precision and accuracy, calibration checks, and zero and span adjustments, all continuous parameter monitoring systems shall be in continuous operation when emissions are being routed to the monitored device.

(6) The owner or operator shall establish a range for monitored parameters that indicates proper operation of the control or recovery device. In order to establish the range, the information required in §63.999(b)(3) shall be submitted in the Notification of Compliance Status or the operating permit application or amendment. The range may be based upon a prior performance test meeting the specifications of §63.997(b)(1) or a prior TRE index value determination, as applicable, or upon existing ranges or limits established under a referencing subpart. Where the regeneration stream flow and carbon bed temperature are monitored, the range shall be in terms of the total regeneration stream flow per regeneration cycle and the temperature of the carbon bed determined within 15 minutes of the completion of the regeneration cooling cycle.

40 CFR 63.996(d)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(1) Alternatives to the continuous operating parameter monitoring and recordkeeping provisions. An owner or operator may request approval to use alternatives to the continuous operating parameter monitoring and recordkeeping provisions listed in §§63.988(c), 63.990(c), 63.993(c), 63.994(c), 63.998(a)(2) through (4), 63.998(c)(2) and (3), as specified in §63.999(d)(1).

(2) Monitoring a different parameter than those listed. An owner or operator may request approval to monitor a different parameter than those established in paragraph (c)(6) of this section or to set unique monitoring parameters if directed by §§63.994(c)(2) or 63.995(c), as specified in §63.999(d)(2).

40 CFR 63.998(a)(2)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(i) Upon request, the owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of performance tests performed pursuant to §§63.988(b), 63.990(b), 63.994(b), or 63.995(b).

(ii) Nonflare control device and halogen reduction device performance test records.

(A) General requirements. Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible continuous records of the data specified in paragraphs (a)(2)(ii)(B) through (C) of this section, as applicable, measured during each performance test performed pursuant to §63.988(b), §63.990(b), §63.994(b), or §63.995(b), and also include that data in the Notification of Compliance Status required under §63.999(b). The same data specified in this section shall be submitted in the reports of all subsequently required performance tests where either the emission control efficiency of a combustion device, or the outlet concentration of TOC or regulated material is determined.

This permit condition becomes effective on the compliance date of May 10, 2008.

40 CFR 63.998(a)(2)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

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C-27035 Process 056

F-INISH Process 069, 081, 169

(B) Nonflare combustion device. Where an owner or operator subject to the provisions of this paragraph seeks to demonstrate compliance with a percent reduction requirement or a parts per million by volume requirement using a nonflare combustion device the information specified in (a)(2)(ii)(B)(1) through (6) of this section shall be recorded.

(C)

(D) Halogen reduction devices. When using a scrubber following a combustion device to control a halogenated vent stream, record the information specified in paragraphs (a)(2)(ii)(D)(1) through (3) of this section.

40 CFR 63.998(a)(2)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(C) Other nonflare control devices. Where an owner or operator seeks to use an absorber, condenser, or carbon adsorber as a control device, the information specified in paragraphs (a)(2)(ii)(C)(1) through (5) of this section shall be recorded, as applicable.

40 CFR 63.998(b)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(1) Continuous records. Where this subpart requires a continuous record, the owner or operator shall maintain a record as specified in paragraphs (b)(1)(i) through (iv) of this section, as applicable:

(2) Excluded data. Monitoring data recorded during periods identified in paragraphs (b)(2)(i) through (iii) of this section shall not be included in any average computed to determine compliance with an emission limit in a referencing subpart.

(3) Records of daily averages. In addition to the records specified in paragraph (a), owners or operators shall keep records as specified in paragraphs (b)(3)(i) and (ii) of this section and submit reports as specified in §63.999(c), unless an alternative recordkeeping system has been requested and approved under a referencing subpart.

(4) [Reserved]

(5) Alternative recordkeeping. For any parameter with respect to any item of equipment associated with a process vent or transfer rack (except low throughput transfer loading racks), the owner or operator may implement the recordkeeping requirements in paragraphs (b)(5)(i) or (ii) of this section as alternatives to the recordkeeping provisions listed in paragraphs (b)(1) through (3) of this section. The owner or operator shall retain each record required by paragraphs (b)(5)(i) or (ii) of this section as provided in a referencing subpart.

(6)(i) For the purposes of this section, an excursion means that the daily average value of monitoring data for a parameter is greater than the maximum, or less than the minimum established value, except as provided in paragraphs (b)(6)(i)(A) and (B) of this section.

(ii) One excused excursion for each control device or recovery device for each semiannual period is allowed. If a source has developed a start-up, shutdown and malfunction plan, and a monitored parameter is outside its established range or monitoring data are not collected during periods of start-up, shutdown, or malfunction (and the source is operated during such periods in accordance with the start-up, shutdown,

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and malfunction plan) or during periods of nonoperation of the process unit or portion thereof (resulting in cessation of the emissions to which monitoring applies), then the excursion is not a violation and, in cases where continuous monitoring is required, the excursion does not count as the excused excursion for determining compliance.

40 CFR 63.998(c)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(3)(i) Records of the occurrence and duration of each start-up, shutdown, and malfunction of operation of process equipment or of air pollution control equipment used to comply with this part during which excess emissions (as defined in a referencing subpart) occur.

(ii) For each start-up, shutdown, and malfunction during which excess emissions occur, records that the procedures specified in the source's start-up, shutdown, and malfunction plan were followed, and documentation of actions taken that are not consistent with the plan. For example, if a start-up, shutdown, and malfunction plan includes procedures for routing control device emissions to a backup control device (e.g., the incinerator for a halogenated stream could be routed to a flare during periods when the primary control device is out of service), records must be kept of whether the plan was followed. These records may take the form of a "checklist," or other form of recordkeeping that confirms conformance with the start-up, shutdown, and malfunction plan for the event.

(4) Equipment leak records.

(5) Records of monitored parameters outside of range. The owner or operator shall record the occurrences and the cause of periods when the monitored parameters are outside of the parameter ranges documented in the Notification of Compliance Status report. This information shall also be reported in the Periodic Report.

40 CFR 63.998(c)(1)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

(1) Monitoring system records. For process vents, the owner or operator subject to this subpart shall keep the records specified in this paragraph, as well as records specified elsewhere in this subpart.

40 CFR 63.998(c)(2)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 169

(i) Each owner or operator using a combustion control or halogen reduction device to comply with this subpart shall keep the following records up-to-date and readily accessible, as applicable. Continuous records of the equipment operating parameters specified to be monitored under §§63.988(c) (incinerator, boiler, and process heater monitoring), 63.994(c) (halogen reduction device monitoring), and 63.995(c) (other combustion systems used as control device monitoring) or approved by the Administrator in accordance with a referencing subpart.

(ii) Each owner or operator shall keep records of the daily average value of each continuously monitored parameter for each operating day determined according to the procedures specified in paragraph (b)(3)(i)

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of this section. For catalytic incinerators, record the daily average of the temperature upstream of the catalyst bed and the daily average of the temperature differential across the bed. For halogen scrubbers record the daily average pH and the liquid-to-gas ratio.

(iii) Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible records of periods of operation during which the parameter boundaries are exceeded. The parameter boundaries are established pursuant to §63.996(c)(6).

40 CFR 63.998(c)(3)

C-27018 Process 090

F-INISH Process 069, 081, 169

(i) Each owner or operator using a recovery device to achieve and maintain a TRE index value greater than the control applicability level specified in the referencing subpart but less than 4.0 or using an absorber, condenser, carbon adsorber or other non-combustion system as a control device shall keep readily accessible, continuous records of the equipment operating parameters specified to be monitored under §§63.990(c) (absorber, condenser, and carbon adsorber monitoring), 63.993(c) (recovery device monitoring), or 63.995(c) (other noncombustion systems used as a control device monitoring) or as approved by the Administrator in accordance with a referencing subpart. For transfer racks, continuous records are required while the transfer vent stream is being vented.

(ii) Each owner or operator shall keep records of the daily average value of each continuously monitored parameter for each operating day determined according to the procedures specified in paragraph (b)(3)(i) of this section.

(iii) Each owner or operator subject to the provisions of this subpart shall keep up-to-date, readily accessible records of periods of operation during which the parameter boundaries are exceeded. The parameter boundaries are established pursuant to §63.996(c)(6).

40 CFR 63.998(d)(1)

C-27018 Process 033, 035, 078, 080, 085, 090, 093, 119, 143

C-27035 Process 056

F-INISH Process 069, 081, 169

For closed vent systems the owner or operator shall record the information specified in paragraphs (d)(1)(i) through (iv) of this section, as applicable.

40 CFR 63.1203(a)(1)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1203(a)(2)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1203(a)(3)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

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40 CFR 63.1203(a)(4)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1203(a)(5)(i)

C-27018 Process 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain either carbon monoxide in excess of 100 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis and corrected to 7 percent oxygen, or hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane as per paragraph (b)(5)(ii) of this section. If you elect to comply with this carbon monoxide standard rather than the hydrocarbon standard, you must also document that, during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by §63.1206(b)(7), hydrocarbons do not exceed 10 parts per million by volume during those runs, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane; or hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane.

40 CFR 63.1203(a)(6)

Emission Unit: C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1203(a)(7)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1203(c)(1)

C-27018 Process 422, 423, 424, 425

The completed 2004 trial burn fulfills the requirements of the Comprehensive Performance Test for this requirement.

40 CFR 63.1209(j)(1)

C-27018 Process: 422, 423 Source/Control: RKIAB

The temperature of the kiln is monitored continuously and is maintained at a minimum of 1,026°C on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(2), dioxins and furans – minimum combustion chamber temperature.

40 CFR 63.1209(j)(1)

C-27018 Process: 422, 423 Source/Control: RKIAB

The temperature of the secondary combustion chamber is monitored continuously and is maintained at a

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minimum of 954o C on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(2), dioxins and furans – minimum combustion chamber temperature.

40 CFR 63.1209(j)(2)

C-27018 Emission Point: 97003

As an indicator of gas residence time in the control device, you must establish and comply with a limit on the maximum flue gas flowrate, the maximum production rate, or another parameter that you document in the site-specific test plan as an appropriate surrogate for gas residence time, as the average of the maximum hourly rolling averages for each run and you must comply with this limit on a hourly rolling average basis.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan.

The flue gas flow rate of the kiln is monitored continuously and is limited to a maximum of 16,361 acfm on an hourly rolling average basis. This condition also satisfies the requirements of:

40 CFR 63.1209(k)(3), dioxins and furans – maximum flue gas flowrate or production rate

40 CFR 63.1209(m)(2), particulate matter – maximum flue gas flow rate or production rate

40 CFR 63.1209(n)(5), semivolatile metals and low volatility metals - maximum flue gas flow rate or production rate

40 CFR 63.1209(o)(3)(v), hydrogen chloride and chlorine gas – wet scrubber

40 CFR 63.1209(j)(3)

C-27018 Process: 422, 423

You must establish limits on the maximum pumpable and total (i.e., pumpable and nonpumpable) hazardous waste feedrate for each location where hazardous waste is fed, you must establish the limits as the average of the maximum hourly rolling averages for each run, and you must comply with the feedrate limit(s) on a hourly rolling average basis.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan.

The APS hazardous waste feed rate is monitored continuously and is limited to a maximum of 9.0 gallons per minute on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(4), dioxins and furans – maximum hazardous waste feedrate.

40 CFR 63.1209(j)(3)

C-27018 Process: 422, 423

You must establish limits on the maximum pumpable and total (i.e., pumpable and nonpumpable) hazardous waste feedrate for each location where hazardous waste is fed, you must establish the limits as the average of the maximum hourly rolling averages for each run, and you must comply with the feedrate limit(s) on a hourly rolling average basis.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In

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accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan.

The Group II hazardous waste feed rate is monitored continuously and is limited to a maximum of 8.37 gallons per minute on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(4), dioxins and furans – maximum hazardous waste feedrate.

40 CFR 63.1209(j)(3)

C-27018 Process: 422, 423

You must establish limits on the maximum pumpable and total (i.e., pumpable and nonpumpable) hazardous waste feedrate for each location where hazardous waste is fed, you must establish the limits as the average of the maximum hourly rolling averages for each run, and you must comply with the feedrate limit(s) on a hourly rolling average basis. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The total Group I and II hazardous waste feed rate is monitored continuously and is limited to a maximum of 9.34 gallons per minute on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(4), dioxins and furans – maximum hazardous waste feedrate.

40 CFR 63.1209(j)(3)

C-27018 Process: 422, 423

You must establish limits on the maximum pumpable and total (i.e., pumpable and nonpumpable) hazardous waste feedrate for each location where hazardous waste is fed, you must establish the limits as the average of the maximum hourly rolling averages for each run, and you must comply with the feedrate limit(s) on a hourly rolling average basis.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan.

The pumpable hazardous waste feed rate is monitored continuously and is limited to a maximum of 6.0 drums per hour on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(4), dioxins and furans – maximum hazardous waste feed rate.

40 CFR 63.1209(j)(3)

C-27018 Process: 422, 423 Source/Control: 96RKI

You must establish limits on the maximum pumpable and total (i.e., pumpable and nonpumpable) hazardous waste feedrate for each location where hazardous waste is fed, you must establish the limits as the average of the maximum hourly rolling averages for each run, and you must comply with the feedrate limit(s) on a hourly rolling average basis.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and

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malfunction plan. The total hazardous waste feed rate is monitored continuously and is limited to a maximum of 751 pounds per hour on an hourly rolling average basis. This condition also satisfies the requirements of 40 CFR 63.1209(k)(4), dioxins and furans – maximum hazardous waste feedrate.

40 CFR 63.1209(j)(4)

C-27018 Process: 422, 423

You must specify operating parameters and limits to ensure that good operation of each hazardous waste firing system is maintained. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Steam atomization pressure is monitored continuously and is maintained at a minimum of 126 psig on an hourly rolling average basis.

40 CFR 63.1209(j)(4)

C-27018 Process: 422, 423 Source/Control: 96RKI

You must specify operating parameters and limits to ensure that good operation of each hazardous waste firing system is maintained.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan.

Air atomization pressure is monitored continuously and is maintained at a minimum of 78 on an hourly rolling average basis.

40 CFR 63.1209(l)(1)

C-27018 Process: 422, 423

For incinerators and solid fuel boilers, when complying with the mercury emission standards under §§63.1203, 63.1216 and 63.1219, you must establish a 12-hour rolling average limit for the total feedrate of mercury in all feedstreams as the average of the test run averages.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The mercury feedrate is monitored continuously and is limited to a maximum of 0.096 pounds per hour on a 12-hour rolling average basis.

40 CFR 63.1209(m)(1)(i)(B)(1)

C-27018 Emission Point 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor

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solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 44 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)
C-27018 Emission Point 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 177 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)
C-27018 Emission Point 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 237 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)
C-27018 Emission Point 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers

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such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 276 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)
C-27018 Emission Point 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 216 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)
C-27018 Emission Points 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank

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system. Compliance with the requirement is achieved with a makeup flowrate of 517 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)

C-27018 Emission Points 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a makeup flowrate of 367 gpm.

40 CFR 63.1209(m)(1)(i)(B)(1)

C-27018 Emission Points 97001, 97003

For sources equipped with wet scrubbers, including ionizing wet scrubbers, high energy wet scrubbers such as venturi, hydrosonic, collision, or free jet wet scrubbers, and low energy wet scrubbers, you must establish limits to ensure that the solids content of the scrubber liquid does not exceed levels (established) during the performance test, by either (i) Establishing a limit on solids content of the scrubber liquid using a CMS or by manual sampling and analysis; or (ii) Establishing a minimum blowdown rate using a CMS and either a minimum scrubber tank volume or liquid level using a CMS. If you elect to monitor solids content manually, you must sample and analyze the scrubber liquid hourly unless you support an alternative monitoring frequency in the performance test plan that you submit for review and approval. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with a minimum IWS voltage of 17 kV for each IWS unit.

40 CFR 63.1209(m)(1)(i)(B)(2)

C-27018 Emission Points 97001, 97002

For maximum solids content monitored with a CMS, you must establish a limit on a twelve-hour rolling average as the average of the test run averages. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with minimum IWS makeup water flowrates and voltages.

40 CFR 63.1209(m)(1)(i)(B)(4)

C-27018 Emission Points 97001, 97002, 97003

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For minimum blowdown rate and either a minimum scrubber tank volume or liquid level using a CMS, you must establish a limit on an hourly rolling average as the average of the test run averages. The facility IWS system has a constant overflow sump instead of a recirculating tank system. Compliance with the requirement is achieved with minimum IWS makeup water flowrates and voltages

40 CFR 63.1209(m)(3)

C-27018Process: 422

Owners and operators of hazardous waste incinerators, solid fuel boilers, and liquid fuel boilers must establish a maximum ash feedrate limit as a 12-hour rolling average based on the average of the test run averages. This requirement is waived, however, if you comply with the particulate matter detection system requirements under §63.1206(c)(9). If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The ash feed rate to the incinerator is monitored continuously and limited to a maximum of 2,400 pounds per hour on a 12-hour rolling average basis.

40 CFR 63.1209(n)(2)

C-27018Process: 424, 425

For semivolatile metals (cadmium and lead) you must establish 12-hour rolling average limits for the total feedrate of semivolatile metals in all feedstreams as the average of the test run averages.

If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The semi-volatile metal feed rate to the incinerator is monitored continuously and limited to a maximum of 0.23 pounds per hour on a 12-hour rolling average basis.

40 CFR 63.1209(n)(2)

C-27018Process: 422, 423

For low volatile metals (arsenic, beryllium, and chromium) you must establish 12-hour rolling average limits for the total feedrate of semivolatile and low volatile metals in all feedstreams as the average of the test run averages. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The low-volatility metal feed rate to the incinerator is monitored continuously and limited to a maximum of 0.76 pounds per hour on a 12-hour rolling average basis.

40 CFR 63.1209(n)(4),

40 CFR 63.1209(o)(1)(i)

C-27018Process: 422

You must establish a 12-hour rolling average limit for the feed rate of total chlorine and chloride in all feed streams as the average of the test run averages. If the monitored parameter exceeds the limitation,

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the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The chlorine and chloride feed rate to the incinerator is monitored continuously and limited to a maximum of 1,955 pounds per hour on a 12-hour rolling average basis.

40 CFR 63.1209(o)(3)(ii)

C-27018 Emission Point 97003

If your source is equipped with a low energy wet scrubber such as a spray tower, packed bed, or tray tower, you must establish a minimum pressure drop across the wet scrubber based on manufacturer's specifications. You must comply with the limit on an hourly rolling average. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. The pressure drop across the scrubber is monitored continuously and is maintained at 0.75 inches of water or greater on a 1-hour rolling average basis.

40 CFR 63.1209(o)(3)(iii)

C-27018 Process: 422 Source/Control: RKICS

If your source is equipped with a low energy wet scrubber, you must establish a limit on minimum liquid feed pressure to the wet scrubber based on manufacturer's specifications. You must comply with the limit on an hourly rolling average. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Based on an approved alternative monitoring plan, the scrubber inlet pressure is monitored and recorded once per shift for compliance.

40 CFR 63.1209(o)(3)(iv)

C-27018 Emission Point 97003

If your source is equipped with a low energy wet scrubber, you must establish a limit on minimum pH on an hourly rolling average as the average of the test run averages. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Scrubbing liquid pH is monitored continuously and is maintained at a minimum of 8.6 on an hourly rolling average basis.

40 CFR 63.1209(o)(3)(v)

C-27018 Emission Point 97003

If your source is equipped with a low energy wet scrubber, you must establish limits on either the minimum liquid to gas ratio or the minimum scrubber water flowrate and maximum flue gas flowrate on an hourly rolling average as the average of the test run averages. If you establish limits on maximum flue gas flowrate under this paragraph, you need not establish a limit on maximum flue gas flowrate under

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paragraph (o)(2) of this section. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Scrubber water flow rate is monitored continuously and is maintained at a minimum of 1,160 gallons per minute on an hourly rolling average basis.

40 CFR 63.1209(o)(3)(v)

C-27018 Emission Point 97003

If your source is equipped with a low energy wet scrubber, you must establish limits on either the minimum liquid to gas ratio or the minimum scrubber water flowrate and maximum flue gas flowrate on an hourly rolling average as the average of the test run averages. If you establish limits on maximum flue gas flowrate under this paragraph, you need not establish a limit on maximum flue gas flowrate under paragraph (o)(2) of this section. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Scrubber water flow rate is monitored continuously and is maintained at a minimum of 148 gallons per minute on an hourly rolling average basis.

40 CFR 63.1209(p)

C-27018 Emission Point 97003

If you comply with the requirements for combustion system leaks under §63.1206(c)(5) by maintaining the maximum combustion chamber zone pressure lower than ambient pressure to prevent combustion systems leaks from hazardous waste combustion, you must perform instantaneous monitoring of pressure and the automatic waste feed cutoff system must be engaged when negative pressure is not adequately maintained. If the monitored parameter exceeds the limitation, the automatic waste feed cutoff must immediately and automatically cut off of the hazardous waste feed, except as provided by Section 63.1206(c)(3)(viii). In accordance with 63.1206(c)(2)(v)(2), an exceedance of this emission standard is not a violation of 40 CFR Part 63, Subpart EEE if you take the corrective measures prescribed in the startup, shutdown, and malfunction plan. Combustion chamber zone pressure is monitored continuously and is maintained at a maximum of negative 0.3 inches of water at all times.

40 CFR 63.1210(a)

C-27018 Process: 422, 423, 424, 425

The owner or operator of this facility shall submit the required notices:

40 CFR 63.1210(b)

C-27018 Process: 422, 423, 424, 425

The owner or operator of this facility shall prepare and submit a Notification of Intent to Comply that meets the requirements of 40CFR 63.1210(b)(i) and 40CFR 63.1210(b)(ii).

40 CFR 63.1210(d)

C-27018 Process: 422, 423, 424, 425

The owner or operator of this facility shall submit the required notices.

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40 CFR 63.1211(a)

C-27018Process: 422, 423, 424, 425

A startup, shutdown, and malfunction report must be submitted by the permittee to NYSDEC, if a startup, shutdown, or malfunction occurred during the reporting period as required by 40CFR 63.10(d)(5)(i). The report shall be delivered or postmarked by the 30th day following the end of each calendar half reporting period.

40 CFR 63.1211(a)

C-27018Process: 422, 423, 424, 425

Any time an action taken by the permittee during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) is not consistent with the procedures specified in the affected source's startup, shutdown and malfunction plan, the permittee must report the actions taken within 2 (two) working days followed by a letter within 7 (seven) working days of the non-compliance consistent with the requirements of 40CFR 63.10(d)(5)(ii).

40 CFR 63.1211(a)

C-27018Process: 422, 423, 424, 425

For each set of 10 (ten) exceedances of any emission standard or operating requirements while hazardous waste remains in the combustion chamber (i.e., when the hazardous waste residence time has not transpired since the hazardous waste feed was) cutoff during a 60-day block period, the permittee must submit to the NYSDEC a written report of exceedances within 5 (five) calendar days of the 10th exceedance as per 40CFR63.1206(c)(3)(vi).

40 CFR 63.1211(a)

C-27018Process: 422, 423, 424, 425

The permittee must submit to the NYSDEC a written report within 5 (five) days of an emergency safety vent (ESV) opening that results in non compliance with the emission standards of this subpart, as defined by 40CFR 63.1206(c)(4)(iv) documenting the results of the investigation and corrective measures taken.

40 CFR 63.1211(b)

C-27018Process: 422, 423, 424, 425

You must retain the following in the operating record information required to document and maintain compliance with the regulations of Subpart EEE, including data recorded by continuous monitoring systems (CMS), and copies of all notifications, reports, plans, and other documents submitted to the Administrator as per 40 CFR 63.1200, 40 CFR 63.10(b) and (c).

40 CFR 63.1211(b)

C-27018Process: 422, 423, 424, 425

If you elect to comply with all applicable requirements and standards promulgated under authority of the Clean Air Act, including Sections 112 and 129, in lieu of the requirements of Subpart EEE when not burning hazardous waste, you must document in the operating record that you are in compliance with those requirements in accordance with 40 CFR 63.1206(b)(1)(ii).

40 CFR 63.1211(b)

C-27018Process: 422, 423, 424, 425

You must retain documentation in the operating record as required in the following regulations:

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40 CFR 63.1206(b)(5)

40 CFR 63.1211(c)

C-27018Process: 422, 423, 424, 425

The owner or operator of this facility shall retain the records in the operating record.

40 CFR 63.1219(a).

C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain dioxins and furans emissions in excess of 0.40 ng TEQ/dscm, corrected to 7 percent oxygen, for incinerators not equipped with either a waste heat boiler or dry air pollution control system.

40 CFR 63.1219(a)

C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain mercury in excess of 130 µg/dscm corrected to 7 percent oxygen.

40 CFR 63.1219(a)

C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain lead and cadmium in excess of 230 µg/dscm, combined emissions, corrected to 7 percent oxygen.

40 CFR 63.1219(a)

Emission Unit: C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain arsenic, beryllium, and chromium in excess of 92 µg/dscm, combined emissions, corrected to 7 percent oxygen.

40 CFR 63.1219(a)

C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain either carbon monoxide in excess of 100 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis and corrected to 7 percent oxygen, or hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane as per paragraph (b)(5)(ii) of this section. If you elect to comply with this carbon monoxide standard rather than the hydrocarbon standard, you must also document that, during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by §63.1206(b)(7), hydrocarbons do not exceed 10 parts per million by volume during those runs, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane; or hydrocarbons in excess of 10 parts per million by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane.

40 CFR 63.1219(a)

C-27018Process: 422, 423, 424, 425

You must not discharge or cause combustion gases to be emitted into the atmosphere that contain

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hydrochloric acid and chlorine gas in excess of 32 parts per million by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis and corrected to 7 percent oxygen.

40 CFR 63.1219(a)

C-27018 Process: 422, 423, 424, 425

Except as provided by paragraph (e) of this section, you must not discharge or cause combustion gases to be emitted into the atmosphere that contain particulate matter in excess of 0.013 grains/dry standard cubic foot corrected to 7 percent oxygen.

40 CFR 63.1219(c)(1)

C-27018 Process: 422, 423, 424, 425

Except as provided in paragraph (c)(2) of this section, you must achieve a Destruction and Removal Efficiency (DRE) of 99.99% for each principal organic hazardous constituent (POHC) designated under paragraph (c)(3) this section calculated as defined in 40CFR 63.1203(c)(1).

40 CFR 63.1219(c)(3)(ii)

C-27018 Process: 422, 423, 424, 425

You must specify one or more POHCs that are representative of the most difficult to destroy organic compounds in your hazardous waste feedstream. You must base this specification on the degree of difficulty of incineration of the organic constituents in the hazardous waste and on their concentration or mass in the hazardous waste feed, considering the results of hazardous waste analyses or other data and information.

40 CFR 63.1219(e)

C-27018 Process: 422, 423, 424, 425

In lieu of complying with the particulate matter standards of this section, you may elect to comply with the alternative metal emission control requirements contained in the following regulations: 40CFR 63.1219(e)(2)(i and ii) and 40CFR 63.1219(e)(4).

40 CFR 63.2450(a)

C-27018, C-27035 & F-INISH

For sources subject to 40 CFR Part 63, Subpart FFFF, you must be in compliance with the emission limits and work practice standards in Tables 1 through 7 to this subpart at all times, except during periods of startup, shutdown, and malfunction (SSM).

40 CFR 63.2450(b)

C-27018, C-27035 & F-INISH

For each MCPU that is subject to the 40 CFR Part 63, Subpart FFFF, halogenated vent streams, as defined in §63.2550, must be identified by calculating the mass emission rate of halogen atoms in accordance with §63.115(d)(2)(v). Alternatively, you may elect to designate the emission stream as halogenated.

40 CFR 63.2450(f)

C-27018 Process 090

C-27035 Process 056

F-INISH Process 069, 169

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If you use a halogen reduction device to reduce hydrogen halide and halogen HAP emissions from halogenated vent streams, you must meet the requirements of §63.994 and the requirements referenced therein. If you use a halogen reduction device before a combustion device, you must determine the halogen atom emission rate prior to the combustion device according to the procedures in §63.115(d)(2)(v).

40 CFR 63.2450(h)

C-27018, C-27035 & F-INISH

For sources controlled by small control devices under 40 CFR Part 63, Subpart FFFF, to determine the percent reduction of a small control device, you may elect to conduct a design evaluation as specified in §63.1257(a)(1) instead of a performance test as specified in subpart SS of this part 63. You must establish the value(s) and basis for the operating limits as part of the design evaluation.

40 CFR 63.2450(i)

C-27018, C-27035 & F-INISH

When §63.997(e)(2)(iii)(C) requires you to correct the measured concentration at the outlet of a combustion device to 3 percent oxygen if you add supplemental combustion air, the requirements in either paragraph (i)(1) or (2) of this section apply for the purposes of this subpart.

40 CFR 63.2450(j)

C-27018, C-27035 & F-INISH

Each continuous emissions monitoring system (CEMS) regulated under 40 CFR Part 63, Subpart FFFFF must be installed, operated, and maintained according to the requirements in §63.8 and paragraphs (j)(1) through (5) of this section.

40 CFR 63.2450(k)

C-27018, C-27035 & F-INISH

For control devices subject to 40 CFR Part 63, Subpart FFFF, the provisions in paragraphs (k)(1) through (4) of this section apply in addition to the requirements for continuous parameter monitoring system (CPMS) in subpart SS of this part 63.

40 CFR 63.2450(l)

C-27018, C-27035 & F-INISH

For control devices subject to 40 CFR Part 63, Subpart FFFF, Sections 63.152(f)(7)(ii) through (iv) and 63.998(b)(2)(iii) and (b)(6)(i)(A), which apply to the exclusion of monitoring data collected during periods of SSM from daily averages, do not apply for the purposes of this subpart.

40 CFR 63.2450(p)

C-27018, C-27035 & F-INISH

For each MCPU that is subject to 40 CFR Part 63, Subpart FFFF, opening a safety device, as defined in §63.2550, is allowed at any time conditions require it to avoid unsafe conditions.

40 CFR 63.2455(a)

F-INISH Emission Point 76006

Emissions of total organic HAP from continuous process vents in an MCPU regulated under the MON must be reduced by ≥ 98 percent by weight or to an outlet process concentration ≤ 20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices

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(except a flare).

Group 1 continuous process vents from these processes are routed to an existing scrubber (76CSS) for control of organic HAP. The scrubbing liquid temperature and the specific gravity will be monitored continuously in accordance with 40 CFR 63.990(c)(1). If the difference between the specific gravity of the saturated scrubbing fluid and specific gravity of the fresh scrubbing fluid is less than 0.02 specific gravity units, an organic monitoring device capable of providing a continuous record shall be used. The minimum allowable specific gravity differential will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.2460(c). Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2455(a), 40 CFR 63.2450(r)

C-27018 Emission Point 62007

Emissions of total organic HAP from continuous process vents in an MCPU regulated under the MON must be reduced by ≥ 98 percent by weight or to an outlet process concentration ≤ 20 ppmv as organic HAP or TOC by venting emissions through a closed-vent system to any combination of control devices (except a flare). Group 1 continuous process vents from this process are routed to the existing MCS vent incinerator (MCSVI) and scrubber (MCSVS) for control of organic HAP. In addition, two surge control vessels (62TRD) meet the capacity and vapor threshold of Group 1 storage tanks; emissions from these vessels also are routed to MCSVI and MCSVS. The temperature in the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum allowable temperature will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.2460(c). Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2460(a)

C-27018 Process: 033, 035, 143

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by ≥ 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The Group 1 batch process vents from these processes will be vented to a pre-condenser (source D4CON) and then to the RKI (RKIAB) or Fixed Box #2 Incinerator (FBIAB). The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum kiln temperature for RKIAB will be 1026°C . Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2460(a)

C-27018 Process: 033, 035, 143

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by ≥ 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The Group 1 batch process vents from these processes will be vented to a pre-condenser (source D4CON) and then to the RKI (RKIAB) or Fixed Box #2 Incinerator (FBIAB). The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum temperature for FBIAB will be 970°C . Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2460(a)

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C-27018 Process: 078, 080, 093, 119

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by ≥ 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The Group 1 batch process vents in these processes will be vented to a pre-scrubber (MTCSS) to remove non-HAP constituents, and then to the RKI (RKIAB) or the Fixed Box #2 Incinerator (FBIAB). The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum kiln temperature for RKIAB will be 1026 °C. Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2460(a)

C-27018 Process: 078, 080, 093, 119

Collective uncontrolled organic HAP emissions from the sum of all Group 1 batch process vents within the process must be reduced by ≥ 98 percent by weight by venting emissions from a sufficient number of the vents through a closed-vent system to any combination of control devices (except a flare). The Group 1 batch process vents in these processes will be vented to a pre-scrubber (MTCSS) to remove non-HAP constituents, and then to the RKI (RKIAB) or the Fixed Box #2 Incinerator (FBIAB). The temperature in the fire box or in the ductwork immediately downstream of the fire box will be monitored continuously in accordance with 40 CFR 63.988(c)(1). The minimum kiln temperature for FBIAB will be 970 °C. Records will be maintained in accordance with 40 CFR Section 63.998.

40 CFR 63.2460(b)

C-27018, C-27035 & F-INISH

For processes with batch process vents that are subject to 40 CFR Part 63, Subpart FFFF, determine the group status of the batch process vents by determining and summing the uncontrolled organic HAP emissions from each of the batch process vents within the process using the procedures specified in §63.1257(d)(2)(i) and (ii), except as specified in paragraphs (b)(1) through (4) of this section. This permit condition becomes effective on the compliance date of May 10, 2008.

40 CFR 63.2460(c)

C-27018, C-27035 & F-INISH

For MCPUs with Group 1 batch process vents, exceptions to the requirements in subpart SS of this part 63 are specified in paragraphs (c)(1) through (7) of this section, and include process condensers, initial compliance, establishing operating limit, averaging periods, periodic verification, and outlet concentration correction for supplemental gases.

40 CFR 63.2460(c)(7)

C-27035

C-27018

F-INISH

If flow to a control device could be intermittent, a flow indicator at the inlet or outlet of the control device must be installed, calibrated, and operated to identify periods of no flow. Periods of no flow may not be used in daily or block averages, and it may not be used in fulfilling a minimum data availability requirement.

40 CFR 63.2465(a)

F-INISH Emission Point 76006

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Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from these processes are vented to the CASH scrubber (76CSS). The pH of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable pH will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

F-INISH Emission Point 76006

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from these processes are vented to the CASH scrubber (76CSS). The flow rate of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable flow rate will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Gas stream flow shall be determined using one of the procedures specified in paragraphs (c)(1)(ii)(A) through (D) of this section. Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

F-INISH Emission Point 76001

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from this process are vented to a venturi scrubber (76EWS). The pH of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable pH will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

F-INISH Emission Point 76001

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from this process are vented to a venturi scrubber (76EWS). The flow rate of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable flow rate will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Gas stream flow shall be determined using one of the procedures specified in paragraphs (c)(1)(ii)(A) through (D) of this section. Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter

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monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

C-27035 Emission Point 27035

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from this process are vented to the B35 HCl fume scrubber (27HWT) only during times of startup, shutdown, and malfunction. The pH of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable pH will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

C-27035 Emission Point 27035

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from this process are vented to the B35 HCl fume scrubber (27HWT) only during times of startup, shutdown, and malfunction. The flow rate of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable flow rate will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Gas stream flow shall be determined using one of the procedures specified in paragraphs (c)(1)(ii)(A) through (D) of this section. Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

C-27018 Emission Point 62007

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control devices. The subject process vents from this process are routed to the existing MCS scrubber (MCSVS) and vent incinerator (MCSVI). The pH of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable pH will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2465(a)

C-27018 Emission Point 62007

Processes with uncontrolled hydrogen halide and halogen HAP emissions from process vents $\geq 1,000$ lb/yr must reduce collective hydrogen halide and halogen HAP emissions by ≥ 99 percent by weight or to an outlet concentration < 20 ppmv by venting through a closed-vent system to any combination of control

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devices. The subject process vents from this process are routed to the existing MCS scrubber (MCSVS) and vent incinerator (MCSVI). The flow rate of the scrubber effluent will be monitored continuously in accordance with 40 CFR 63.994(c)(1). The minimum allowable flow rate will be determined during the initial compliance test to be conducted in accordance with 40 CFR 63.994(b). Gas stream flow shall be determined using one of the procedures specified in paragraphs (c)(1)(ii)(A) through (D) of this section. Records will be maintained in accordance with 40 CFR Section 63.998. General requirements for monitoring and continuous parameter monitoring systems are contained in a referencing subpart and §63.996.

40 CFR 63.2480

C-27018 Process: 201, 202

- (a) You must meet each requirement in Table 6 to this subpart that applies to your equipment leaks, except as specified in paragraphs (b) and (c) of this section.
- (b) The requirements for pressure testing in §63.1036(b) may be applied to all processes, not just batch processes.
- (c) For the purposes of this subpart, pressure testing for leaks in accordance with §63.1036(b) is not required after reconfiguration of an equipment train if flexible hose connections are the only disturbed equipment.

40 CFR 63.2485(c)

C-27018, C-27035 & F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, determine Group 1 wastewater streams. For the purposes of this subpart, a process wastewater stream is Group 1 for compounds in Tables 8 and 9 to this subpart if any of the conditions specified in paragraphs (c) (1) through (3) of this section are met.

40 CFR 63.2520(c)

C-27018, C-27035 & F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, you must submit a precompliance report to request approval for any of the items in paragraphs (c)(1) through (7) of this section. We will either approve or disapprove the report within 90 days after we receive it. If we disapprove the report, you must still be in compliance with the emission limitations and work practice standards in this subpart by the compliance date. To change any of the information submitted in the report, you must notify us 60 days before the planned change is to be implemented.

40 CFR 63.2520(c)

C-27018, C-27035 & F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, you must submit a notification of compliance status report according to the schedule in paragraph (d)(1) of this section, and the notification of compliance status report must contain the information specified in paragraph (d)(2) of this section.

- (1) You must submit the notification of compliance status report no later than 150 days after the applicable compliance date specified in §63.2445.

40 CFR 63.2520(c)

C-27018, C-27035 & F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, you must submit compliance reports containing the information specified in paragraphs (e)(1) through (10) of this section. The compliance reports must

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be submitted semiannually according to the requirements in 63.2520(b).

40 CFR 63.2525

C-27018, C-27035 & F-INISH

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, you must keep the records specified in paragraphs (a) through (k) of this section

40 CFR 63.2535(g)

C-27018

C-27035

F-INISH

w-97004

For MCPUs subject to 40 CFR Part 63, Subpart FFFF, after the compliance dates specified in § 63.2445, if you have a Group 1 wastewater stream that is also subject to provisions in 40 CFR parts 260 through 272, you may elect to determine whether this subpart or 40 CFR parts 260 through 272 contain the more stringent control requirements (e.g., design, operation, and inspection requirements for waste management units; numerical treatment standards; etc.) and the more stringent testing, monitoring, recordkeeping, and reporting requirements. Compliance with provisions of 40 CFR parts 260 through 272 that are determined to be more stringent than the requirements of this subpart constitute compliance with this subpart. For example, provisions of 40 CFR parts 260 through 272 for treatment units that meet the conditions specified in § 63.138(h) constitute compliance with this subpart. You must identify in the notification of compliance status report required by § 63.2520(d) the information and procedures that you used to make any stringency determinations.

40 CFR 63.7881(c)

Facility Level

The total Table 1 HAP contained in the remediation material that will be excavated, extracted, pumped, or otherwise removed during the site remediation is less than 1 megagram per year (Mg/yr). Written documentation is kept to support the determination of the total HAP quantity used to demonstrate compliance with paragraph (c)(1).

40 CFR 63.9000(a)

C-62014 Process: 407

For each emission stream from an HCl process vent at an existing source, HCl emissions shall be reduced by 99% or greater or achieve an outlet concentration of 20 ppm by volume or less; and Cl₂ emissions shall be reduced by 99% or greater or achieve an outlet concentration of 100 ppm by volume or less.

40 CFR 63.9000(a)

C-62014 Process: 407

For each emission stream from leaking equipment in HCl service at an existing source, you must prepare and operate at all times according to an equipment LDAR plan that describes in detail the measures that is put in place to detect leaks and repair them in a timely fashion and submit the plan to the Administrator for comment only with your Notification of Compliance Status; you may incorporate by reference in such plan existing manuals that describe the measures in place to control leaking equipment emissions required as part of other federally enforceable requirements provided that all manuals that are incorporated by reference are submitted to the Administrator.

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40 CFR 63.9000(b)

C-62014Process: 407

For each caustic scrubber or water scrubber/absorber, facility maintains the daily average scrubber inlet liquid or recirculating liquid flow rate above the operating limit, or maintain operating parameters within the limits established according to an alternative compliance plan established under § 63.8(f).

Compliance with this monitoring activity also assures compliance with federal applicable requirement 6NYCRR 212.4(c) for particulates, and state-only applicable requirement 6 NYCRR Section 212.9(b).

The lower limit of monitoring ensures compliance with all process operations. Engineering calculations is used as compliance with particulate control efficiency when the measured flow rate falls below the lower limit of monitoring.

40 CFR 63.9000(b)

C-62014Process: 407

For each caustic scrubber or water scrubber/absorber, facility maintains the daily average scrubber effluent pH within the operating limits, or maintain operating parameters within the limits established according to an alternative compliance plan established under § 63.8(f).

Compliance with this monitoring activity also assures compliance with state-only applicable requirement 6 NYCRR Section 212.9(b).

40 CFR 63.9005(a)

C-62014Process: 407

Facility is in compliance with the emission limitations and work practice standards in this subpart at all times, except during periods of startup, shutdown, and malfunction.

40 CFR 63.9005(b)

C-62014Process: 407

Operate and maintain the affected source, including air pollution control and monitoring equipment, according to the provisions in Sec. 63.6(e)(1)(i) (Startup, Shutdown, Malfunction Plan).

40 CFR 63.9005(c)

C-62014Process: 407

Developed and implements a written startup, shutdown, and malfunction plan according to the provisions in Sec. 63.6(e)(3).

40 CFR 63.9005(d)

C-62014Process: 407

All monitoring equipment is installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.

40 CFR 63.9020(b)

C-62014Process: 407

If complying with a percent reduction emission limitation, determine the percent reduction in accordance with paragraphs (b)(1) and (2) of this section.

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40 CFR 63.9020(e)

C-62014Process: 407

Establish all operating limits for demonstrating continuous compliance with the applicable emission limits in Table 1 to this subpart as described in paragraphs (e)(1) through (3) of this section. If you use a caustic scrubber control device or water scrubber control device and you conduct a performance test, you must establish operating limits according to paragraphs (e)(1)(i) and (ii) of this section. If a series of control devices are used, you must establish separate operating limits for each device. You must establish the minimum value as the operating limit for scrubber inlet liquid or recirculating liquid flow rate, as appropriate. The minimum value shall be based on the scrubber inlet liquid or recirculating liquid flow rate, as appropriate, values measured during the performance test. You must establish the minimum and maximum values as the operating limits for scrubber effluent pH. The minimum and maximum values shall be based on the scrubber effluent pH values measured during the performance test.

40 CFR 63.9025(a)

C-62014Process: 407

For each operating parameter required by Sec. 63.9020(e) to monitor, (1) operate CMS and collect data at all times the process is operating; and (2) collect data from at least four equally spaced periods each hour; and (3) for at least 75 percent of the operating hours in a 24-hour period, have valid data for at least 4 equally spaced periods each hour; and (4) for each hour of valid data from at least four equally spaced periods, calculate the hourly average value using all valid data or, where data are collected from an automated CMS, using at least one measured value per minute if measured more frequently than once per minute; and (5) calculate the daily average using all of the hourly averages calculated according to paragraph (a)(4) of this section for the 24-hour period; and (6) record the results for each inspection, calibration, and validation check as specified in site-specific monitoring plan.

40 CFR 63.9025(b)

C-62014Process: 407

For scrubber control devices, you may request approval to monitor parameters other than those specified in Sec. 63.9020(e).

40 CFR 63.9030(a)

C-62014Process: 407

For each HCl process vent for which you are conducting a performance test, for the emission limit or work practice standard in Table 1 to this Subpart, you have demonstrated initial compliance if the average percent reduction of HCl and Cl₂ measured over the period of the performance test is greater than or equal to 99% or the concentration is less than or equal to 20 ppm for HCl and 100 ppm for Cl₂.

40 CFR 63.9030(a)

C-62014Process: 407

For each HCl leaking equipment for which you are conducting a performance test, for the emission limit or work practice standard in Table 1 to this Subpart, you have demonstrated initial compliance if you certify in your Notification of Compliance Status that you have developed and implemented your LDAR plan and submitted it to the Administrator for comment only.

40 CFR 63.9030(b)

C-62014Process: 407

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You must establish each site-specific operating limit in Table 2 to this subpart that applies to you (caustic scrubber liquid flow and effluent pH) according to the requirements in Sec. 63.9020 and Table 3 to this subpart.

40 CFR 63.9035(b)

C-62014 Process: 407

Keep (1) records of daily average scrubber inlet liquid or recirculating liquid flow rate, as appropriate; and (2) records of the daily average scrubber effluent pH.

40 CFR 63.9035(d)

C-62014 Process: 407

Except for monitor malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), monitor continuously (or collect data at all required intervals) at all times that the affected source is operating. This includes periods of startup, shutdown, or malfunction when the affected source is operating. A monitoring malfunction includes, but is not limited to, any sudden, infrequent, not reasonably preventable failure of the monitoring equipment to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

40 CFR 63.9035(e)

C-62014 Process: 407

You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels, nor may such data be used in fulfilling a minimum data availability requirement, if applicable. You must use all the data collected during all other periods in assessing the operation of the control device and associated control system.

40 CFR 63.9040(c)

C-62014 Process: 407

Report each instance in which you did not meet an emission limit, work practice standard or operating limit in Table 1 or 2 to this subpart, respectively, that applies to you, including periods of startup, shutdown, and malfunction. These instances are deviations from the emission limitations in this subpart. Report according to the requirements in Sec. 63.9050.

40 CFR 63.9045(f)

C-62014 Process: 407

Submit the Notification of Compliance Status, including the performance test results, within 240 calendar days after the applicable compliance dates specified in Sec. 63.8995.

40 CFR 63.9045(g)

C-62014 Process: 407

The Notification of Compliance Status must also include (1) each operating parameter value averaged over the full period of the performance test (for example, average pH); and (2) each operating parameter range within which HAP emissions are reduced to the level corresponding to meeting the applicable emission limits in Table 1 to this subpart.

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40 CFR 63.9050(a)
C-62014Process: 407
Submit a compliance report.

40 CFR 63.9050(b)
C-62014Process: 407
Submit compliance reports.

40 CFR 63.9050(c)
C-62014Process: 407
The compliance report must contain the following information in paragraphs (c)(1) through (10) of this section.

40 CFR 63.9050(d)
C-62014Process: 407
For each deviation from an emission limitation occurring at an affected source where you are using a CMS to comply with the emission limitation in this subpart, you must include the information in paragraphs (c)(1) through (6) of this section and the information in paragraphs (d)(1) through (9) of this section. This includes periods of startup, shutdown, and malfunction.

40 CFR 63.9050(e)
C-62014Process: 407
Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A). If an affected source submits a compliance report pursuant to Table 6 to this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 71.6(a)(3)(iii)(A), and the compliance report includes all required information concerning deviations from any emission limitation in this subpart, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

40 CFR 63.9050(f)
C-62014Process: 407
For each startup, shutdown, or malfunction during the reporting period that is not consistent with your startup, shutdown, and malfunction plan. submit an immediate startup, shutdown and malfunction report. Unless the Administrator has approved a different schedule for submission of reports under Sec. 63.10(a), you must submit an initial report containing a description of the actions taken for the event by fax or telephone within 2 working days after starting actions inconsistent with the plan and submit a follow-up report containing the information listed in Sec. 63.10(d)(5)(ii) within 7 working days after the end of the event unless you have made alternative reporting arrangements with the permitting authority.

40 CFR 63.9055
C-62014Process: 407
Keep a copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you

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submitted, as required in Sec. 63.10(b)(2)(xiv). You must also keep the records specified in paragraphs (b)(1) through (5) of this section.

40 CFR 63.9060

C-62014Process: 407

Records are in a form suitable and readily available for expeditious inspection and review, according to Sec. 63.10(b)(1). As specified in Sec. 63.10(b)(1), keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. Keep each record on site, or readily accessible from on site through a computer or other means, for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to Sec. 63.10(b)(1). You can keep the records off site for the remaining 3 years. Records may be maintained in hard copy or computer-readable format including, but not limited to, on paper, microfilm, hard disk drive, floppy disk, compact disk, magnetic tape, or microfiche. Keep each previous (i.e., superseded) version of the site-specific monitoring plan and the LDAR plan for a period of 5 years after revision of the plan. If, at any time after adoption of a site-specific monitoring plan or an LDAR plan, your affected source ceases operation or is otherwise no longer subject to the provisions of this subpart, retain a copy of the most recent plan for 5 years from the date your source ceases operation or is no longer subject to this subpart.