



New York State Department of Environmental Conservation  
**Permit Review Report**

**Permit ID: 4-4228-00056/00469**

**Renewal Number: 2**

**Modification Number: 2 08/22/2018**

**Facility Identification Data**

Name: SI GROUP INC - ROTTERDAM JUNCTION FACILITY

Address: 1000 MAIN ST (ST RTE 5S)

ROTTERDAM JUNCTION, NY 12150

**Owner/Firm**

Name: SI GROUP INC

Address: PO BOX 1046

SCHENECTADY, NY 12301, USA

Owner Classification: Corporation/Partnership

**Permit Contacts**

Division of Environmental Permits:

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SCHENECTADY, NY 12306-2014

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Division of Air Resources:

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Air Permitting Contact:

Name: MARGARET M COREY

Address: SI GROUP, INC

1000 MAIN ST

ROTTERDAM JUNCTION, NY 12150

Phone:5183474308

**Permit Description**

**Introduction**

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

**Summary Description of Proposed Project**

The modification is to include a Regenerative Thermal Oxidizer (RTO) control device installed to control VOC/HAP emissions from the production of phenolic resins and alkyl phenol intermediates in Emission Unit 6. The RTO was installed in accordance with a state facility permit issued by the Department, effective



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July 20, 2015. Included are administrative updates to Revision 2 of the Title V permit, effective June 17, 2016. The modification will not result in additional emissions or new control requirements.

**Attainment Status**

SI GROUP INC - ROTTERDAM JUNCTION FACILITY is located in the town of ROTTERDAM in the county of SCHENECTADY.

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

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

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

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

**Facility Description:**

The Rotterdam Junction plant manufactures phenolic resins and alkyl phenols. These products are used as additives or as a chemical intermediate to the manufacture of adhesives, rubber goods, paper coatings, inks, paints, automotive parts, detergents, and lubricants.

**Permit Structure and Description of Operations**

The Title V permit for SI GROUP INC - ROTTERDAM JUNCTION FACILITY

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.



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SI GROUP INC - ROTTERDAM JUNCTION FACILITY is defined by the following emission unit(s):

Emission unit 000001 - Consists of 3 existing boilers and 7 process heaters. The 3 boilers [B0100 (50mmBTU/hr), B0200 (50 mmBTU/hr) & B0500( 85.9 mmBTU/hr)] fire natural gas as a primary fuel and #2 fuel oil as an alternate fuel. B0100 and B0200 were installed pre 1974.

Boiler 5 has a burner/boiler combination (registered on the NYSDEC listing of approved low NOx burner/boiler combinations dated 5/27/98) Natural gas is the primary fuel, the unit can also use #2 fuel oil.

The 7 process heaters only use natural gas as a fuel.  
BP300 is equipped with a low NOx burner.

Current processes for this emission unit are:

- Process #1: Boiler #5- natural gas
- Process #2: Boiler #5- fuel oil
- Process #3: Boilers 1 & 2- natural gas
- Process #4: Boilers 1 & 2- fuel oil
- Process #11: P-300 Boiler- natural gas
- Process #46: Boiler NESHAP (Subpart DDDDD)

Emission unit 000001 is associated with the following emission points (EP):

00019, 00020, 00220, 00223, 00224, 00225, 00281, 00282, 00490, 00534

Process: 001 is located at 1, Building BLD27 - Boiler #5 - natural gas fired. Unit is equipped with a low NOx burner.

Process: 002 is located at 1, Building BLD27 - Boiler #5 - No 2 fuel oil in boiler as an alternate fuel; low sulfur content.

Process: 003 is located at 1, Building BLD27 - Natural gas fired boilers Cleaver Brooks #1 and Cleaver Brooks #2

Process: 004 is located at 1, Building BLD27 - No. 2 Fuel oil fired boilers Cleaver Brooks #1 & Cleaver Brooks #2; #2 oil fired as an alternate fuel, low sulfur content.

Process: 011 is located at Building NUMBLDG - P-300 Boiler firing natural gas. The P-300 Boiler (BP300 is equipped with a low NOx burner.

Process: 046 is located at Building NUMBLDG - Cleaver Brooks #1, Cleaver Brooks #2 and Boiler #5 firing natural gas, #2 fuel oil under requirements of Boiler NESHAP - 40 CFR 63 Subpart DDDDD

Emission unit 000002 - This unit consists of a number of processes which manufacture alkylphenols in a continuous process mode and is composed of storage tanks and a manufacturing area.

Manufacturing- currently this emission unit is divided into the following processes:



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Process #8: 40CFR63 Subpart F & G- HON regulated (currently octylphenol & nonylphenol manufacture)

Process #9: 40CFR60 Subpart NNN & RRR regulated (currently nonylphenol manufacture)

Process #10: 40CFR63 Subpart FFFF- MON (P-300) regulated (currently butylphenol & heptylphenol manufacture)

Process #44: Non-NESHAP regulated (6NYCRR Parts 212 & 229)

Emission unit 000002 is associated with the following emission points (EP):

00130, 00501, 00502, 00503, 00504, 00505, 00506, 00507, 00508, 00509, 00510, 00511, 00512, 00513, 00514, 00515, 00517, 00518, 00519, 00520, 00526, 00528, 00537, 00538, 00559, 00564, 00570, 00572, 00587

Process: 008 is located at Building NUMBLDG - P-300 HON regulated manufacture (currently octylphenol and nonylphenol)

Process: 009 is located at Building P300 PAD - P-300 Subpart NNN and RRR manufacture (nonylphenol)

Process: 010 is located at Building P300 PAD - P-300 MON regulated manufacture (currently butylphenol and heptylphenol manufacture)

Process: 044 is located at Building P300 PAD - P-300 process - NON-NESHAP regulated

Emission unit 000006 - This unit is composed of manufacturing components associated with resin and associated products. This unit batch produces Resole Resins, Resin Solutions, Resorcinol Resins, Distillation Products, Bisphenol A Resoles. Standard operating procedures for each specific product are maintained and available on site.

Currently this emission unit is divided into the following processes:

Process #12: Subpart OOO (A/P MACT)

Process #13: Subpart FFFF (MON-Resin Manufacturing)

Process #42: Non-NESHAP regulated

Emission unit 000006 is associated with the following emission points (EP):



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00008, 00009, 00011, 00016, 00023, 00024, 00025, 00026, 00111, 00112, 00113, 00115, 00132, 00133, 00137, 00138, 00160, 00176, 00179, 00208, 00209, 00351, 00360, 00396, 00413, 00419, 00428, 00438, 00439, 00446, 00456, 00464, 00470, 00471, 00527, 00705, 00732, 00733, 00734, 00748, 00749, 00757, 00758, 00775, 00801, 00815, 00816, 00817, 00832

Process: 012 is located at Building NUMBLDG - Resin manufacturing - A/P MACT (Subpart OOO)

Process: 013 is located at Building NUMBLDG - MON (Subpart FFFF) Resin Manufacturing

Process: 042 is located at Building NUMBLDG - Resin manufacturing NON-NESHAP regulated

Emission unit 000004 - This unit is comprised of storage tanks for raw materials, intermediates and products for the resin manufacturing operations.

Currently this emission unit is divided into the following processes:

Process #14: Subpart OOO (A/P MACT)

Process #15: Subpart FFFF (MON)

Process #43: Polymer Division tanks – non-NESHAP regulated

Emission unit 000004 is associated with the following emission points (EP):

00139, 00143, 00145, 00146, 00148, 00173, 00375, 00376, 00377, 00378, 00379, 00380, 00382, 00383, 00399, 00400, 00401, 00402, 00403, 00478, 00479, 00480, 00498, 00701, 00735, 00736, 00737

Process: 014 is located at Building NUMBLDG - Storage tanks currently associated with Subpart OOO (Amino/Phenolic MACT) products & raw materials.

Process: 015 is located at Building NUMBLDG - Storage tanks currently associated with Subpart FFFF (MON) products & raw materials.

Process: 043 is located at Building NUMBLDG - NON-NESHAP regulated tanks

Emission unit 000007 - This unit is composed of equipment used for product development and research & development activities. Applicability was determined for certain provisions under 6NYCRR Part 212.

Currently the emission unit contains the following process:

Process #30: Pilot Plant

Emission unit 000007 is associated with the following emission points (EP):

00247, 00251, 00253, 00255, 00256, 00258, 00266, 00269, 00362, 00363, 00443, 00452, 00747, 00750, 00751, 00769, 00787, 00788

Process: 030 is located at Building NUMBLDG - Process 30 - Pilot Plant All sources in this process are

Emission unit 000005 - This unit is composed of an industrial wastewater treatment plant, tanks and



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associated support equipment. Sources in this emission unit are currently subject to the requirements of 6YCRR Part 212.

The emission unit currently contains the following process:

Process #16: Wastewater treatment

Process: 016 Wastewater processing trivial and exempt sources are currently in this emission unit.

Emission unit 000003 - Emission unit #3 consists of storage tanks which are subject to the applicable and exempt provisions under 40 CFR 60 Subpart Kb as well as 6NYCRR Parts 212 and 229.

Currently the emission unit contains the following process:

Process #49: Liquid waste tanks

Emission unit 000003 is associated with the following emission points (EP):  
 00167, 00168, 00485, 00516

Process: 049 is located at Building NUMBLDG - Liquid Waste Tanks

**Title V/Major Source Status**

SI GROUP INC - ROTTERDAM JUNCTION FACILITY is subject to Title V requirements. This determination is based on the following information:

SI is major for HAP and VOC.

**Program Applicability**

The following chart summarizes the applicability of SI GROUP INC - ROTTERDAM JUNCTION FACILITY with regards to the principal air pollution regulatory programs:

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



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RACT	YES
SIP	YES

NOTES:

**PSD** Prevention of Significant Deterioration (40 CFR 52, 6 NYCRR 231-7, 231-8) - requirements which pertain to major stationary sources located in areas which are in attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NSR** New Source Review (6 NYCRR 231-5, 231-6) - requirements which pertain to major stationary sources located in areas which are in non-attainment of National Ambient Air Quality Standards (NAAQS) for specified pollutants.

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61, 6 NYCRR 200.10) - contaminant and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

**MACT** Maximum Achievable Control Technology (40 CFR 63, 6 NYCRR 200.10) - contaminant and source specific emission standards established by the 1990 CAAA. Under Section 112 of the CAAA, the US EPA is required to develop and promulgate emissions standards for new and existing sources. The standards are to be based on the best demonstrated control technology and practices in the regulated industry, otherwise known as MACT. The corresponding regulations apply to specific source types and contaminants.

**NSPS** New Source Performance Standards (40 CFR 60, 6 NYCRR 200.10) - standards of performance for specific stationary source categories developed by the US EPA under Section 111 of the CAAA. The standards apply only to those stationary sources which have been constructed or modified after the regulations have been proposed by publication in the Federal Register and only to the specific contaminant(s) listed in the regulation.

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

**Title VI Stratospheric Ozone Protection** (40 CFR 82, Subpart A thru G, 6 NYCRR 200.10) - federal requirements that apply to sources which use a minimum quantity of CFC's (chlorofluorocarbons), 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 212-3, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

**SIP** State Implementation Plan (40 CFR 52, Subpart HH, 6 NYCRR 200.10) - as per the CAAA, all states are empowered and required to devise the specific combination of controls that, when implemented, will bring about attainment of ambient air quality standards established by the federal government and the individual state. This specific combination of measures is referred to as



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the SIP. The term here refers to those state regulations that are approved to be included in the SIP and thus are considered federally enforceable.

**Compliance Status**

Facility is in compliance with all requirements.

**SIC Codes**

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

SIC Code	Description
2821	PLASTICS MATERIALS AND RESINS
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
1-02-005-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - DISTILLATE OIL 10-100MMBTU/HR **
1-02-006-02	EXTERNAL COMBUSTION BOILERS - INDUSTRIAL INDUSTRIAL BOILER - NATURAL GAS 10-100 MMBtu/Hr
3-01-018-05	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - PLASTICS PRODUCTION
3-01-820-02	Phenolic Resins CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - WASTEWATER AGGREGATE
3-01-830-01	WASTEWATER TREATMENT CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - GENERAL PROCESSES Storage/Transfer
3-01-900-99	CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - FUEL FIRED EQUIPMENT
3-01-999-99	Specify in Comments Field CHEMICAL MANUFACTURING CHEMICAL MANUFACTURING - OTHER NOT CLASSIFIED Specify in Comments Field

**Facility Emissions Summary**

In the following table, the CAS No. or Chemical Abstract Service code is an identifier assigned to every chemical compound. [NOTE: Certain CAS No.'s contain a 'NY' designation within them. These are not





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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 of 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 for each contaminant that is displayed represents the facility-wide PTE in tons per year (tpy) or pounds per year (lbs/yr). In some instances the PTE represents a federally enforceable emissions cap or limitation for that contaminant. The term 'HAP' refers to any of the hazardous air pollutants listed in section 112(b) of the Clean Air Act Amendments of 1990. Total emissions of all hazardous air pollutants are listed under the special NY CAS No. 0NY100-00-0. In addition, each individual hazardous air pollutant is also listed under its own specific CAS No. and is identified in the list below by the (HAP) designation.

Cas No.	Contaminant	PTE lbs/yr	PTE tons/yr	Actual lbs/yr	Actual tons/yr
000102-71-6	2,2,2-NITRILOTRIS ETHANOL		25	0.7	
000095-48-7	2-METHYL-PHENOL		25	3.3	
000108-10-1	2-PENTANONE, 4-METHYL		25	6	
000123-86-4	ACETIC ACID, BUTYL ESTER		25	44	
000071-43-2	BENZENE		25	45.4	
000098-82-8	BENZENE, (1-METHYLETHYL)			28	
000095-63-6	BENZENE, 1,2,4-TRIMETHYL-			894.5	
000104-15-4	BENZENESULFO NIC ACID, 4-METHYL		10	0.1	
000120-51-4	BENZYL BENZOATE		2.5	0.1	
000071-36-3	BUTANOL		40	91.8	
008007-24-7	CASHEW NUTSHELL LIQ		25	9	
001319-77-3	CRESYLIC ACID		25	11.6	
025339-53-1	DECENE		10	7.1	
025167-70-8	DIISOBUTYLINE			12865.1	
000067-64-1	DIMETHYL KETONE		25	3.5	
001323-65-5	DINONYLPHENO L		10	1.7	
064742-47-8	DISTILLATES (PETROLEUM), HYDROTREATED LIGHT			39.4	
000111-15-9	ETHANOL, 2-ETHOXY-, ACETATE		25	14.1	
000064-17-5	ETHYL ALCOHOL (ETHANOL)		25	0.7	
000100-41-4	ETHYLBENZENE		25	3308.9	
000107-15-3	ETHYLENE DIAMINE			1.5	
000050-00-0	FORMALDEHYDE		25	3730.3	



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068476-30-2	FUEL OIL #2	10	13.9
068425-29-6	GASOLINE- PETROLEUM DISTILLATE- CRACKED	10	19.6
010035-10-6	HYDROGEN BROMIDE	25	5.2
007722-84-1	HYDROGEN PEROXIDE	2.5	0.01
000078-83-1	ISOBUTYL ALCOHOL	25	25.8
000067-56-1	METHYL ALCOHOL	25	5599.3
000078-93-3	METHYL ETHYL KETONE	25	35
000121-44-8	N,N-DIETHYL ETHANAMINE	25	1257.4
064742-94-5	NAPHTHA HEAVY	2.5	26
064742-48-9	AROMATIC NAPHTHA HEAVY	10	0.7
064742-95-6	HYDROTREATED (PETROLEUM) NAPHTHA, LIGHT AROMATIC		138.1
000091-20-3	NAPHTHALENE	25	7.5
000142-82-5	N-HEPTANE	10	15997.9
027215-95-8	NONENE	25	630.1
0NY210-00-0	OXIDES OF NITROGEN	95	62.1
001806-26-4	PARATERIARYO CTYL PHENOL	25	1087
000098-54-4	PARATERTBUTY LPHENOL	25	737.4
0NY075-00-0	PARTICULATES	100	5465.4
064741-88-4	PETROLEUM DISTILLATES(HE AVY,PARAFFINIC )	10	0.9
000108-95-2	PHENOL	25	10469.6
000108-39-4	PHENOL, 3- METHYL	25	0.1
000080-05-7	PHENOL, 4,4'-(1- METHYLETHYLI DENE)BIS-	10	5.7
000106-44-5	PHENOL, 4- METHYL	10	0.1
025154-52-3	PHENOL, NONYL	25	65.7
025068-38-6	PHENOXY RESIN	2.5	0.01
007664-38-2	PHOSPHORIC ACID	10	6.8
0NY075-02-5	PM 2.5	40	1495.3
0NY075-00-5	PM-10	40	9459
001310-73-2	SODIUM HYDROXIDE	10	8.3
000100-42-5	STYRENE	25	257.5
007664-93-9	SULFURIC ACID	25	5
008002-26-4	TALL OIL	25	46.5
000108-88-3	TOLUENE	25	388.7
0NY075-10-5	UNSPECIATED PM-10 (EMISSION STATEMENT USE		1698.5



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0NY998-10-0	ONLY) UNSPECIATED VOC ( EMISSION STATEMENT USE ONLY)		92.9
0NY998-00-0	VOC	250	
001330-20-7	XYLENE, M, O & P MIXT.	25	20557.2

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

**Item B: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(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 C: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(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 D: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.4(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 E: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.4(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 F: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.4(a)(5)**

It shall not be a defense for a permittee in an enforcement action to claim that a cessation



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or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

**Item G: Property Rights - 6 NYCRR 201-6.4(a)(6)**

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

**Item H: Severability - 6 NYCRR Part 201-6.4(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 I: Permit Shield - 6 NYCRR Part 201-6.4(g)**

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

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

**Item J: Reopening for Cause - 6 NYCRR Part 201-6.4(i)**

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the



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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 K: 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 L: Federally Enforceable Requirements - 40 CFR 70.6(b)**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

**Item A: Emergency Defense - 6 NYCRR 201-1.5**

An emergency, as defined by subpart 201-2, constitutes an affirmative defense to penalties sought in an enforcement action brought by the Department 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



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properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner 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 and maintained;
- (3) During the period of the emergency the facility owner 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 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 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\_02

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

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

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

**Regulatory Analysis**

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
FACILITY	ECL 19-0301	263	Powers and Duties of the Department with respect to air pollution control
FACILITY 0-00001/-/002	40CFR 60-A 40CFR 60-Dc.42c(d)	66 144	General provisions Standard for Sulfur Dioxide Firing Oil. (see narrative)
0-00001/-/002	40CFR 60-Dc.42c(h)	145	Exemption from



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0-00001/-/002	40CFR 60-Dc.42c(i)	146	Averaging Requirements
0-00001/-/002	40CFR 60-Dc.43c(c)	147	Standard for Sulfur Dioxide Period of Requirements.
0-00001/-/002	40CFR 60-Dc.43c(d)	148	Standard for Opacity. Time Period Requirements for Opacity
0-00001/-/002	40CFR 60-Dc.44c(h)	149	Alternative Compliance and Performance Test Methods and Procedures for Sulfur Dioxide.
0-00001/-/002	40CFR 60-Dc.46c(e)	150	Exemption from Emission Monitoring for Sulfur Dioxide.
FACILITY	40CFR 60-Dc.48c(d)	67	Reporting and Recordkeeping Requirements.
0-00001/-/002	40CFR 60-Dc.48c(e)	151	Reporting and Recordkeeping Requirements.
0-00001/-/002	40CFR 60-Dc.48c(f)(1)	152	Reporting and Recordkeeping Requirements (distillate oil).
FACILITY	40CFR 60-Dc.48c(g)	68	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-Dc.48c(i)	69	Reporting and Recordkeeping Requirements.
FACILITY	40CFR 60-Kb.110b(a)	70	NSPS for volatile organic liquid storage vessels- applicability and designation of affected facilities
FACILITY	40CFR 60-Kb.110b(b)	71	NSPS for volatile organic liquid storage vessels- applicability and designation of affected facilities
FACILITY	40CFR 60-Kb.116b(a)	72	NSPS for volatile organic liquid storage vessels- monitoring of operations
FACILITY	40CFR 60-Kb.116b(b)	73	NSPS for volatile organic liquid storage vessels- monitoring of operations
0-00002/-/009	40CFR 60-NNN.660(c)(4)	171	Standards of performance for VOC emissions from SOCFI distillation operations
0-00002/-/009	40CFR 60-NNN.662(c)	172	Standards of performance for VOC emissions from SOCFI



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0-00002/-/009	40CFR 60-NNN.663(e)	173	distillation operations - standards Standards of performance for VOC emissions from SOCMI distillation operations - standards
0-00002/-/009	40CFR 60-NNN.664(f)	174	Standards of performance for VOC emissions from SOCMI distillation operations - test methods and procedures
0-00002/-/009	40CFR 60-NNN.665(g)(2)	175	Standards of performance for VOC emissions from SOCMI distillation operations - reporting and recordkeeping requirements
0-00002/-/009	40CFR 60-NNN.665(h)(1)	176	Standards of performance for VOC emissions from SOCMI distillation operations - reporting and recordkeeping requirements
0-00002/-/009	40CFR 60-NNN.665(h)(2)	177	Standards of performance for VOC emissions from SOCMI distillation operations - reporting and recordkeeping requirements
0-00002/-/009	40CFR 60-NNN.665(1)	178, 179	Standards of performance for VOC emissions from SOCMI distillation operations - reporting and recordkeeping requirements
0-00002/-/009	40CFR 60-RRR.705(r)	180	Standards of performance for VOC emissions from SOCMI reactor processes - reporting and recordkeeping requirements
FACILITY	40CFR 63-A	74	Subpart A - General Provisions apply to all NESHAP affected sources
FACILITY	40CFR 63-A.4	75	Prohibited Activities and Circumvention
0-00001	40CFR 63-DDDDD	142	Boilers and Process Heaters Major Source NESHAP rule





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0-00002/-/008	40CFR 63-F.102(a)	154	Subpart F - HON NESHAP - general standards
0-00002/-/008	40CFR 63-F.103(a)	155	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
0-00002/-/008	40CFR 63-F.103(b)(1)	156	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
0-00002/-/008	40CFR 63-F.103(b)(5)	157	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
0-00002/-/008	40CFR 63-F.103(c)(1)	158	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
0-00002/-/008	40CFR 63-F.103(c)(2)	159	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
0-00002/-/008	40CFR 63-F.103(d)	160	Subpart F - HON NESHAP - general compliance, reporting and recordkeeping provisions
FACILITY	40CFR 63-F.104(a)(1)	76	Subpart F - HON NESHAP - heat exchange system requirements
0-00006/-/013/636T0	40CFR 63- FFFF.2450(c)(2)	258	Miscellaneous Organic Chemical Mfg NESHAP - Combined Emission Streams
0-00002/-/010	40CFR 63-FFFF.2450(g)	181	Miscellaneous Organic Chemical Mfg. NESHAP - Performance Tests
0-00006/-/013	40CFR 63-FFFF.2450(g)	242	Miscellaneous Organic Chemical Mfg. NESHAP - Performance Tests
0-00002/-/010	40CFR 63-FFFF.2450(h)	182	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Design Evaluations
0-00006/-/013	40CFR 63-FFFF.2450(h)	243	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Design Evaluations
0-00002/-/010	40CFR 63-FFFF.2450(j)	183	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - CEMS
0-00006/-/013	40CFR 63-FFFF.2450(j)	244	Miscellaneous Organic Chemical Manufacturing NESHAP



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0-00002/-/010	40CFR 63-FFFF.2450(k)	184	(MON) - CEMS Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Continuous Parameter Monitoring
0-00006/-/013	40CFR 63-FFFF.2450(k)	245	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Continuous Parameter Monitoring
0-00002/-/010	40CFR 63-FFFF.2450(l)	185	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Startup, Shutdown, and Malfunctions
0-00002/-/010	40CFR 63-FFFF.2450(p)	186	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Opening of Safety Devices
0-00006/-/013	40CFR 63-FFFF.2450(p)	246	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Opening of Safety Devices
0-00002/-/010	40CFR 63-FFFF.2455(b)	187	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Continuous Process Vents - Group 1 or TRE calculations
0-00006/-/013	40CFR 63-FFFF.2460	247	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Batch Process Vents
0-00002/-/010	40CFR 63-FFFF.2470(a)	188	Miscellaneous Organic Chemical Mfg NESHAP - Storage Tank Provisions
0-00004/-/015	40CFR 63-FFFF.2470(a)	207	Miscellaneous Organic Chemical Mfg NESHAP - Storage Tank Provisions
0-00002/-/010	40CFR 63-FFFF.2475	189	Misc. Organic Chemical NESHAP
0-00006/-/013	40CFR 63-FFFF.2475	248	Misc. Organic Chemical NESHAP
FACILITY	40CFR 63-FFFF.2480	133	Miscellaneous Organic Chemical Manufacturing NESHAP (MON) - Equipment leak provisions
FACILITY	40CFR 63-FFFF.2490	134	Heat exchange system requirements
0-00002/-/010	40CFR 63-FFFF.2495	190	Miscellaneous Organic Chemical Mfg. NESHAP - Pollution Prevention Standard
0-00006/-/013	40CFR 63-FFFF.2495	249	Miscellaneous Organic Chemical Mfg. NESHAP - Pollution



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0-00006/-/013	40CFR 63-FFFF.2500	250	Prevention Standard Miscellaneous Organic Chemical Mfg. NESHAP
0-00002/-/010	40CFR 63-FFFF.2505	191	- Emissions Averaging Miscellaneous Organic Chemical Mfg. NESHAP
0-00006/-/013	40CFR 63-FFFF.2505	251	- Alternative Standard Miscellaneous Organic Chemical Mfg. NESHAP
0-00002/-/010	40CFR 63-FFFF.2515	192, 193	- Alternative Standard Miscellaneous Organic Chemical Mfg NESHAP -
0-00006/-/013	40CFR 63-FFFF.2515	252	Notifications Miscellaneous Organic Chemical Mfg NESHAP -
0-00002/-/010	40CFR 63-FFFF.2520	194	Notifications Miscellaneous Organic Chemical Mfg NESHAP -
0-00006/-/013	40CFR 63-FFFF.2520	253	Reporting Miscellaneous Organic Chemical Mfg NESHAP -
0-00002/-/010	40CFR 63-FFFF.2525	195	Reporting Miscellaneous Organic Chemical
0-00006/-/013	40CFR 63-FFFF.2525	254	Manufacturing NESHAP (MON) - Recordkeeping Requirements Miscellaneous Organic Chemical
0-00002/-/010	40CFR 63-FFFF.2535(a)	196	Manufacturing NESHAP (MON) - Recordkeeping Requirements Miscellaneous Organic Chemical Mfg. NESHAP
0-00006/-/013	40CFR 63-FFFF.2535(a)	255	- Applicability with HON Miscellaneous Organic Chemical Mfg. NESHAP
0-00002/-/010	40CFR 63-FFFF.2535(b)	197	- Applicability with HON Miscellaneous Organic Chemical Mfg. NESHAP
0-00006/-/013	40CFR 63-FFFF.2535(b)	256	- Applicability with RCRA Subparts 264 and 265 Miscellaneous Organic Chemical Mfg. NESHAP
0-00002/-/010	40CFR 63-FFFF.2535(c)	198	- Applicability with RCRA Subparts 264 and 265 Miscellaneous Organic Chemical Mfg. NESHAP
0-00002/-/010	40CFR 63-FFFF.2535(h)	199	- Applicability with NSPS Subpart Kb Miscellaneous Organic Chemical
0-00006/-/013	40CFR 63-FFFF.2540	257	Manufacturing NESHAP (MON) - Compliance with other regulations Miscellaneous Organic Chemical Mfg NESHAP -



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0-00002/-/008	40CFR 63-G.113(a)(3)	161	General Provisions Subpart G - HON NESHAP for Process Vents, Storage Vessels,etc-process vent provisions- reference control technology
0-00002/-/008	40CFR 63-G.113(e)	162	Subpart G - HON NESHAP for Process Vents, Storage Vessels,etc-process vent provisions- reference control technology
0-00002/-/008	40CFR 63-G.115(d)	163	HON NESHAP for Process Vents, Storage Vessels- process vent provisions methods/procedures process vent group determinations
0-00002/-/008	40CFR 63-G.115(d)(1)	164	HON NESHAP - provisions for process vents - calculation of TRE index value
0-00002/-/008	40CFR 63-G.117	165	HON NESHAP process vent provisions- reporting/recordkeepi ng rqts for group and TRE determinations and performance tests
0-00002/-/008	40CFR 63-G.117(b)	166	HON NESHAP process vent provisions- reporting/recordkeepi ng rqts for group and TRE determinations and performance tests
0-00002/-/008	40CFR 63-G.118(c)	167	HON NESHAP process vent provisions- periodic reporting and recordkeeping requirements
0-00002/-/008	40CFR 63-G.118(g)	168	HON NESHAP process vent provisions- periodic reporting and recordkeeping requirements
0-00002/-/008	40CFR 63-G.118(h)	169	HON NESHAP process vent provisions- periodic reporting and recordkeeping requirements
FACILITY	40CFR 63-G.123(a)	77	HON NESHAP - storage vessel provisions - recordkeeping
FACILITY	40CFR 63-G.152(d)(1)	78	General reporting and continuous records
FACILITY	40CFR 63-H.162(c)	79	Subpart H - HON NESHAP for Equipment Leaks - standards:general



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0-00002/-/008	40CFR 63-H.162(c)	2	-4	Subpart H - HON NESHAP for Equipment Leaks - standards:general
0-00004/-/015	40CFR 63-H.162(c)	2	-5	Subpart H - HON NESHAP for Equipment Leaks - standards:general
0-00006/-/013	40CFR 63-H.162(c)	2	-8	Subpart H - HON NESHAP for Equipment Leaks - standards:general
FACILITY	40CFR 63-H.162(f)	80		Subpart H - HON NESHAP for Equipment Leaks - standards:general
0-00002/-/008	40CFR 63-H.162(f)	170		Subpart H - HON NESHAP for Equipment Leaks - standards:general
FACILITY	40CFR 63-H.163	81		Subpart H - HON NESHAP for Equipment Leaks - standards:pumps in light liquid service
FACILITY	40CFR 63-H.165	82		Subpart H - HON NESHAP for Equipment Leaks - standards:pressure relief devices in gas/vapor service
FACILITY	40CFR 63-H.166	83		Subpart H - HON NESHAP for Equipment Leaks - standards:sampling connection systems
FACILITY	40CFR 63-H.167(a)	84		Standards: Open-ended valves or lines
FACILITY	40CFR 63-H.167(b)	85		Subpart H - HON NESHAP for Equipment Leaks - standards:open-ended valves or lines
FACILITY	40CFR 63-H.167(c)	86		Subpart H - HON NESHAP for Equipment Leaks - standards:open-ended valves or lines
FACILITY	40CFR 63-H.167(d)	87		Subpart H - HON NESHAP for Equipment Leaks - standards:open-ended valves or lines
FACILITY	40CFR 63-H.167(e)	88		Standards: Open-ended valves or lines
FACILITY	40CFR 63-H.168	89		Subpart H - HON NESHAP for Equipment Leaks - standards:valves in gas/ vapor and in light liquid service
FACILITY	40CFR 63-H.169	90		Subpart H - HON NESHAP for Equipment Leaks -

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FACILITY	40CFR 63-H.171(a)	91	standards:pumps, valves, connectors,agitators heavy liquid service, instruments Subpart H - HON NESHAP for Equipment Leaks - standards:delay of repair
FACILITY	40CFR 63-H.171(b)	92	Subpart H - HON NESHAP for Equipment Leaks - standards:delay of repair
FACILITY	40CFR 63-H.171(c)	93	Subpart H - HON NESHAP for Equipment Leaks - standards:delay of repair
FACILITY	40CFR 63-H.171(d)	94	Subpart H - HON NESHAP for Equipment Leaks - standards:delay of repair
FACILITY	40CFR 63-H.171(e)	95	Subpart H - HON NESHAP for Equipment Leaks - standards:delay of repair
FACILITY	40CFR 63-H.181(a)	96	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(b)	97	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(c)	98	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(d)	99	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(e)	100	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(f)	101	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(g)	102	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(h)	103	Subpart H - HON NESHAP for Equipment Leaks - recordkeeping requirements
FACILITY	40CFR 63-H.181(i)	104	Subpart H - HON NESHAP for Equipment



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FACILITY	40CFR 63-H.181(j)	105	Leaks - recordkeeping requirements Subpart H - HON NESHAP for Equipment
FACILITY	40CFR 63-H.181(k)	106	Leaks - recordkeeping requirements Subpart H - HON NESHAP for Equipment
FACILITY	40CFR 63-H.182(a)	107	Leaks - recordkeeping requirements Subpart H - HON NESHAP for Equipment
FACILITY	40CFR 63-H.182(b)	108	Leaks - reporting requirements Subpart H - HON NESHAP for Equipment
FACILITY	40CFR 63-H.182(d)	109	Leaks - reporting requirements Subpart H - HON NESHAP for Equipment
0-00004/-/014	40CFR 63-000.1400	203	Amino-Phenolic Resins
0-00006/-/012	40CFR 63-000.1400(i)	208	Amino/Phenolic Resins - Applicability of other Subparts to Subpart 000
0-00006/-/012	40CFR 63-000.1400(j)	209	Amino/Phenolic Resins - General Provisions
0-00006/-/012	40CFR 63-000.1400(k)	210	Amino/Phenolic Resins Production NESHAP - applicability during startup/shutdown/malf unction
0-00006/-/012	40CFR 63-000.1401	211	Amino Phenolic Resins
0-00004/-/014	40CFR 63-000.1403	204	Amino/Phenolic Resins Production NESHAP - emission standards
0-00006/-/012	40CFR 63-000.1403(a)	212	Amino/Phenolic Resins - Emission Standards
0-00006/-/012	40CFR 63-000.1403(c)	213	Amino/Phenolic Resins - Compliance for Flexible Operations Process Units
0-00004/-/014	40CFR 63-000.1404	205	Amino-Phenolic Resins
0-00006/-/012	40CFR 63-000.1406(b)	214	Amino/Phenolic Resins Production NESHAP - reactor batch process vents - alternative standard
0-00006/-/012	40CFR 63-000.1407(b)	215	Amino/Phenolic Resins Production NESHAP - Non-reactor batch process vent provisions
0-00006/-/012	40CFR 63-000.1408(b)	216	Amino/Phenolic Resins - Aggregate Batch Vent Stream Alternative Standard
0-00006/-/012	40CFR 63-000.1408(b)(1)	217	Amino/Phenolic Resins Production NESHAP - Aggregate batch vent stream provisions
0-00004/-/014	40CFR 63-000.1410	206	Amino/Phenolic MACT -



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0-00006/-/012	40CFR 63-000.1410	218	Equipment Leak Provisions
0-00006/-/012	40CFR 63-000.1412	219	Amino/Phenolic MACT - Equipment Leak Provisions
0-00006/-/012	40CFR 63-000.1414	220	Amino Phenolic Resins Production NESHAP - Test methods and emission estimation equations
0-00006/-/012	40CFR 63-000.1415	221	Amino Phenolic Resins
0-00006/-/012	40CFR 63-000.1415(a)	222	Amino/Phenolic Resins NESHAP - General monitoring requirements
FACILITY	40CFR 63-000.1415(b)(5)	2 - 3	Monitoring Requirements
0-00006/-/012	40CFR 63-000.1415(d)	223	Amino/Phenolic Resins Production NESHAP - Monitoring requirements for bypass lines
0-00006/-/012	40CFR 63-000.1416	224	Amino/Phenolic Resins Production NESHAP - Recordkeeping requirements
0-00006/-/012	40CFR 63-000.1416(b)	225	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1416(c)	226	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1416(d)	227	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1416(e)	228	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1416(f)	229	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1416(g)	230	Recordkeeping Requirements
0-00006/-/012	40CFR 63-000.1417	231	Amino/Phenolic Resins Production NESHAP - Reporting requirements
0-00006/-/012	40CFR 63-000.1417(d)	232	Reporting Requirements
0-00006/-/012	40CFR 63-000.1417(e)	233	Reporting Requirements
0-00006/-/012	40CFR 63-000.1417(f)	234	Reporting Requirements
0-00006/-/012	40CFR 63-000.1417(g)	235	Reporting Requirements
0-00006/-/012	40CFR 63-000.1417(h)	236	Reporting Requirements
0-00006/-/012	40CFR 63-000.1417(j)	237	Amino/Phenolic Resins - Alternative Monitoring Parameters
0-00006/-/012	40CFR 63-000.1417(k)	238	Amino/Phenolic Resins - Alternative Continuous Monitoring
FACILITY	40CFR 63-SS.982(c)	110	National Emission Standards for Closed Vent Systems - Requirements for Closed Vent Systems





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0-00006/-/013	40CFR 63-SS.996	240	and Nonflare Control Device GMACT - General monitoring requirements for control and recovery devices
0-00006/-/013	40CFR 63-SS.997	241	GMACT - Performance test and compliance assessment requirements for control devices
FACILITY	40CFR 63-SS.998	111	GMACT - Recordkeeping requirements for closed vent systems, control devices, recovery devices, and routing to fuel gas system
FACILITY	40CFR 63-SS.999	112	GMACT - Notifications and other reports
FACILITY	40CFR 63-UU.1019	113	NESHAP for Equipment Leaks
FACILITY	40CFR 63-UU.1021	114	Equipment Leaks Control Level 2 - Alternative means of emission limitation
FACILITY	40CFR 63-UU.1022	115	Equipment Identification
FACILITY	40CFR 63-UU.1023	116	Instrument and Sensory Monitoring for Leaks
FACILITY	40CFR 63-UU.1024	117	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Leak repair standards
FACILITY	40CFR 63-UU.1025	118	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for valves in gas/vapor & light liquid service
FACILITY	40CFR 63-UU.1026	119	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for pumps in light liquid service
FACILITY	40CFR 63-UU.1027	120	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for connectors in gas/vapor & light liquid service
FACILITY	40CFR 63-UU.1028	121	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for agitators in gas/vapor & light liquid service
FACILITY	40CFR 63-UU.1029	122	GMACT - NESHAP for Equipment Leaks -



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FACILITY	40CFR 63-UU.1030	123	Control Level 2 - Standards for equipment in heavy liquid service, etc. GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for pressure relief devices in gas/vapor service
FACILITY	40CFR 63-UU.1031	124	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for compressors
FACILITY	40CFR 63-UU.1032	125	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for sampling connection systems
FACILITY	40CFR 63-UU.1033	126	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for open-ended valves or lines
FACILITY	40CFR 63-UU.1034	127	GMACT - NESHAP for Equipment Leaks - Control Level 2 - Standards for closed vent systems and control devices, etc.
FACILITY	40CFR 63-UU.1035	128	Quality Improvement Program for Pumps
FACILITY	40CFR 63-UU.1036	129	Alternative means of emission limitation: Batch processes
FACILITY	40CFR 63-UU.1037	130	Alternative means of emission limitation: Enclosed-vented process units or affected facilities
FACILITY	40CFR 63-UU.1038	131	Recordkeeping requirements for Subpart UU
FACILITY	40CFR 63-UU.1039	132	Reporting requirements
0-00001	40CFR 63-ZZZZ.6590(b)(3)	143	Reciprocating Internal Combustion Engine (RICE) NESHAP - Stationary RICE Subject to Limited Requirements
FACILITY	40CFR 63-ZZZZ.6640(f)	135	Reciprocating Internal Combustion Engine (RICE) NESHAP
FACILITY	40CFR 68	19	- emergency engines Chemical accident prevention provisions
FACILITY	40CFR 82-F	20	Protection of Stratospheric Ozone - recycling and emissions reduction



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FACILITY	6NYCRR 200.6	1	Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10	Maintenance of equipment.
FACILITY	6NYCRR 201-1.4	264	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	11	Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.2(a)	13	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-3.3(a)	14	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6	21, 136, 137	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4(a)(4)	15	General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4(a)(7)	2	General Conditions - Fees
FACILITY	6NYCRR 201-6.4(a)(8)	16, 2 -1	General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4(c)	3	Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.4(c)(2)	4	Records of Monitoring, Sampling and Measurement
FACILITY	6NYCRR 201-6.4(c)(3)(ii)	5	Reporting Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4(d)(4)	22	Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4(e)	6	Compliance Certification
FACILITY	6NYCRR 201-6.4(f)	23	Operational Flexibility
FACILITY	6NYCRR 201-6.4(f)(6)	17	Off Permit Changes
FACILITY	6NYCRR 201-7	138	Federally Enforceable Emissions Caps
FACILITY	6NYCRR 202-1.1	18	Required emissions tests.
FACILITY	6NYCRR 202-2.1	7	Emission Statements - Applicability
FACILITY	6NYCRR 202-2.5	8	Emission Statements - record keeping requirements.
FACILITY	6NYCRR 207	25	Control Measures for an Air Pollution Episode
FACILITY	6NYCRR 211.1	26	General Prohibitions - air pollution prohibited
FACILITY	6NYCRR 211.2	265	General Prohibitions - visible emissions limited.
FACILITY	6NYCRR 212.10(a)(2)	36	NOx and VOC RACT required at major



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FACILITY	6NYCRR 212.10(c)(1)	37	facilities NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.10(c)(4)(i)	38	NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.11(a)	39	Sampling and monitoring
FACILITY	6NYCRR 212.3(a)	29	General Process Emission Sources - emissions from existing emission sources
FACILITY	6NYCRR 212.3(b)	30	General Process Emission Sources - emissions from existing emission sources
0-00006/-/042/SB001	6NYCRR 212.3(b)	259	General Process Emission Sources - emissions from existing emission sources
0-00006/-/042/SB003	6NYCRR 212.3(b)	260	General Process Emission Sources - emissions from existing emission sources
0-00006/-/042/SB03S	6NYCRR 212.3(b)	262	General Process Emission Sources - emissions from existing emission sources
FACILITY	6NYCRR 212.4(a)	31	General Process Emission Sources - emissions from new sources and/or modifications
FACILITY	6NYCRR 212.4(b)	32	New processes
FACILITY	6NYCRR 212.4(c)	33	General Process Emission Sources - emissions from new processes and/or modifications
FACILITY	6NYCRR 212.6(a)	34, 35	General Process Emission Sources - opacity of emissions limited
0-00006/-/042/SB03S	6NYCRR 212-2.4(b)	2 -6, 2 -7	Control of Particulate from New and Modified Process Emission Sources
FACILITY	6NYCRR 212-3.1(a)(2)	27	RACT applicability for facilities outside of Lower Orange Co and NYC Metro area
FACILITY	6NYCRR 212-3.1(b)	28	Required VOC or NOX RACT plan by 10/20/1994
0-00002/-/044	6NYCRR 212- 3.1(c)(4)(i)	200	RACT compliance plan control limits for Capture and Control



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FACILITY	6NYCRR 215.2	9	Open Fires -
FACILITY	6NYCRR 225-1.2	40	Prohibitions
FACILITY	6NYCRR 225-2.5(a)	41	Sulfur-in-Fuel
FACILITY	6NYCRR 225-2.6(c)	42	Limitations
FACILITY	6NYCRR 225-2.6(d)	43	Permit and/or
FACILITY	6NYCRR 225-2.7(d)	44	certificate
FACILITY	6NYCRR 225-2.7(e)	45	requirements.
0-00001	6NYCRR 227-1.3(a)	141	Sale or use of waste
0-00001/-/011/BP300	6NYCRR 227-1.3(a)	153	fuels A and B.
FACILITY	6NYCRR 227-1.6(a)	46	Sale or use of waste
FACILITY	6NYCRR 227-1.6(b)	47	fuels A and B.
FACILITY	6NYCRR 227-1.6(c)	48	Reports, sampling and
FACILITY	6NYCRR 227-1.6(d)	49	analysis of waste
FACILITY	6NYCRR	50	fuels A and B.
FACILITY	229.1(d)(2)(vii)	51	Reports, sampling and
FACILITY	6NYCRR	51	analysis of waste
FACILITY	229.1(d)(2)(viii)	52	fuels A and B.
0-00002/-/044	6NYCRR 229.1(d)(2)(x)	201	Smoke Emission
FACILITY	6NYCRR	52	Limitations.
FACILITY	229.3(e)(2)(iv)	53	Smoke Emission
FACILITY	6NYCRR 229.3(e)(2)(v)	54	Limitations.
FACILITY	6NYCRR 229.5(d)	54	Corrective Action.
0-00002/-/044	6NYCRR 229.5(d)	202	Corrective Action:
FACILITY	6NYCRR 236.3(a)	55	Facility Shutdown.
FACILITY	6NYCRR 236.3(c)	56	Corrective Action:
FACILITY	6NYCRR 236.4(a)	57	Facility Shutdown
FACILITY	6NYCRR 236.4(b)	58	Prohibitions.
FACILITY	6NYCRR 236.4(c)	59	Corrective Action:
FACILITY	6NYCRR 236.4(d)	60	Facility Shutdown
FACILITY	6NYCRR 236.5	61, 62, 63, 64, 65	Prohibitions.
			Corrective Action:
			Facility Shutdown
			Prohibitions.
			New requirements
			outside NYCMA/LOCMA
			VOL tanks 10000-20000
			gallons
			New requirements
			outside NYCMA/LOCMA
			VOL tanks less than
			10000 gallons
			New requirements
			outside NYCMA/LOCMA
			new sources after
			3/31/93
			Volatile organic
			liquid storage tanks
			Volatile organic
			liquid storage tanks
			Recordkeeping - VOL
			storage tanks
			Recordkeeping - VOL
			storage tanks
			Control requirements.
			Control requirements.
			Repair requirements.
			Repair requirements.
			Repair requirements.
			Repair requirements.
			Recordkeeping and
			reporting
			requirements.

**Applicability Discussion:**

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



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ECL 19-0301

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

6 NYCRR 200.6

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

6 NYCRR 200.7

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

6 NYCRR 201-1.4

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

6 NYCRR 201-1.7

Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8

Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-3.2 (a)

An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a)

The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-6

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



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6 NYCRR 201-6.4 (a) (4)

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

6 NYCRR 201-6.4 (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.

6 NYCRR 201-6.4 (a) (8)

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

6 NYCRR 201-6.4 (c)

This requirement specifies, in general terms, what information must be contained in any required compliance monitoring records and reports. This includes the date, time and place of any sampling, measurements and analyses; who performed the analyses; analytical techniques and methods used as well as any required QA/QC procedures; results of the analyses; the operating conditions at the time of sampling or measurement and the identification of any permit deviations. All such reports must also be certified by the designated responsible official of the facility.

6 NYCRR 201-6.4 (c) (2)

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

6 NYCRR 201-6.4 (c) (3) (ii)

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

6 NYCRR 201-6.4 (d) (5)

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

6 NYCRR 201-6.4 (e)

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

6 NYCRR 201-6.4 (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.



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6 NYCRR 202-1.1

This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1

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

6 NYCRR 202-2.5

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

6 NYCRR 211.2

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

6 NYCRR 215.2

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

40 CFR Part 68

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

40 CFR Part 82, Subpart F

Subpart F requires the reduction of emissions of class I and class II refrigerants to the lowest achievable level during the service, maintenance, repair, and disposal of appliances in accordance with section 608 of the Clean Air Act AmENDments of 1990. This subpart applies to any person servicing, maintaining, or repairing appliances except for motor vehicle air conditioners. It also applies to persons disposing of appliances, including motor vehicle air conditioners, refrigerant reclaimers, appliance owners, and manufacturers of appliances and recycling and recovery equipment. Those individuals, operations, or activities affected by this rule, may be required to comply with specified disposal, recycling, or recovery practices, leak repair practices, recordkeeping and/or technician certification requirements.

**Facility Specific Requirements**

In addition to Title V, SI GROUP INC - ROTTERDAM JUNCTION FACILITY has been determined to be subject to the following regulations:

40 CFR 60.110b (a)

Storage vessel applicability.

40 CFR 60.110b (b)

Storage vessel exemptions.





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40 CFR 60.116b (a)

This is the records retention requirement for all records required by this section.

40 CFR 60.116b (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.

40 CFR 60.42c (d)

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

40 CFR 60.42c (h)

This regulation requires that compliance with emission limits and/or fuel oil sulfur limitations be based on a certification from the fuel supplier as stated in paragraph 40 CFR 60-Dc.48c(f)(1), (2), or (3) as applicable

40 CFR 60.42c (i)

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

40 CFR 60.43c (c)

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

40 CFR 60.43c (d)

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

40 CFR 60.44c (h)

This regulation requires facilities demonstrating compliance through vendor certification to follow the compliance procedures listed in the appropriate paragraphs of 40 CFR 60-Dc.48c.

40 CFR 60.46c (e)

This regulation allows facilities subject to paragraphs 40 CFR 60-Dc.42c(h)(1), (2), or (3) who show compliance through vendor certification, to be exempt from the monitoring requirements of section 40 CFR 60-Dc.46c



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40 CFR 60.48c (d)

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

40 CFR 60.48c (e)

Keep records of SO<sub>2</sub> emission rate averages dates etc.

40 CFR 60.48c (f) (1)

Fuel supplier certifications for distillate oil shall include the name of the oil supplier and a statement from the oil supplier that the oil complies with the specification under the definition of distillate oil in 40 CFR 60-Dc.41c

40 CFR 60.48c (g)

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

40 CFR 60.48c (i)

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

40 CFR 60.660 (c) (4)

Paragraph 660(c)(4) of the federal New Source Performance Standard for Synthetic Organic Chemical Manufacturing Industry Distillation Operations provides an exemption for distillation units that have a total resource effectiveness (TRE) index greater than 8. However, they are not exempt from certain testing, recordkeeping and reporting requirements, nor the requirement to maintain their TRE index greater than 8. The TRE index for a gas stream tends to be high if the concentration of contaminants is low or if the contaminants are difficult to burn (having a low heating value).

40 CFR 60.662 (c)

Paragraph 662(c) of the federal New Source Performance Standard for Synthetic Organic Chemical Manufacturing Industry Distillation Operations provides an alternative for distillation units to keep their total resource effectiveness (TRE) index greater than 1 rather than use control equipment. The TRE index for a gas stream tends to be high if the concentration of total organic compound contaminants is low or if the contaminants are difficult to burn (having a low heating value).

40 CFR 60.663 (e)

install, calibrate, maintain, and operate according to manufacturer's specifications the following equipment, unless alternative monitoring procedures or requirements are approved for that facility by the Administrator



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40 CFR 60.664 (f)

Conditions under 40CFR60.664(f) require that the Total Resource Effectiveness index value shall be recalculated whenever process changes such as changes in production capacity, feedstock type, or catalyst type, or whenever there is replacement, removal, or addition of recovery equipment occur. They further describe the consequences of the value changing so that it no longer meets the applicable TRE index limit.

40 CFR 60.665 (g) (2)

Where a condenser is the final recovery device in a system, and where an organic compound monitoring device is not used, all 3-hour periods of operation during which the average exit (product side) condenser operating temperature was more than 6 °C (11 °F) above the average exit (product side) operating temperature during the most recent performance test.

40 CFR 60.665 (h) (1)

Any changes in production capacity, feedstock type, or catalyst type, or of any replacement, removal or addition of recovery equipment or a distillation unit;

40 CFR 60.665 (h) (2)

Any recalculation of the TRE index value performed pursuant to §60.664(f);

40 CFR 60.665 (l)

Conditions under 40CFR60.665(l) describe the semiannual reporting 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.

40 CFR 60.705 (r)

Conditions under 40CFR60.705 describe the reporting and recordkeeping requirements for facilities subject to the Reactor Processes New Source Performance Standards.

40 CFR 63.1019

Applicability Equipment Leaks level 2



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40 CFR 63.102 (a)

This condition specifies how the HON rule applies to the facility during times of startup, shutdown, and malfunctions. The HON rule does not apply during these periods, but if it is still within the facility's ability to comply despite the startup, shutdown, or malfunction, the facility shall comply with the rule. The facility shall also take all measures possible to reduce the emissions of hazardous air pollutants during startups, shutdowns, and malfunctions.

40 CFR 63.1021

Subpart UU contains emission limitations for various types of equipment in sections 63.1025 through 63.1034. A conditions under Section 63.1021 allows alternative means of emission limitation on a case by case basis. Alternatives may be allowed by NYSDEC or USEPA upon request by the owner or operator or by the manufacturers of equipment used to control equipment leaks. If such a request is received and approved, additional conditions citing this section will appear in the permit.

40 CFR 63.1022

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.

40 CFR 63.1023

Instrument and sensory monitoring for leaks. Equipment leaks level 2

40 CFR 63.1024

Leak repair. Equipment leaks level 2

40 CFR 63.1025

Valves in gas and vapor service and in light liquid service standards. Equipment Leaks level 2

40 CFR 63.1026

Pumps in light liquid service standards. Equipment leaks level 2

40 CFR 63.1027



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Connectors in gas and vapor service and in light liquid service standards. Equipment Leaks level 2

40 CFR 63.1028

Agitators in gas and vapor service and in light liquid service standards. Equipment Leaks Level 2

40 CFR 63.1029

Pumps, valves, connectors, and agitators in heavy liquid service; pressure relief devices in liquid service; and instrumentation systems standards. Equipment Leaks Level 2

40 CFR 63.103 (a)

This condition specifies which parts of the General Provisions in 40CFR63, Subpart A apply to facilities subject to the HON and which parts do not apply. The General Provisions include provisions on reporting, recordkeeping, monitoring, performance testing, compliance extension provisions, etc.

40 CFR 63.103 (b) (1)

This condition establishes the schedule and procedures under which the facility is to perform their stack tests to determine compliance with the HON rule. This condition refers to §63.7(a) for the default schedule and procedures, which basically gives the facility 180 days after the compliance date to perform their stack test.

40 CFR 63.103 (b) (5)

This condition allows the facility to waive any stack test required in the HON rule if the New York State DEC approves of it. The facility would need to justify why the performance test needs to be waived (ie, excessive cost, impractical to do, etc.)

40 CFR 63.103 (c) (1)

In order to make inspections easier, this condition requires the facility to keep any records required by the HON rule for at least five years. Furthermore, the latest 6 months of records need to be kept on site either on a computer or accessible within 2 hours.

40 CFR 63.103 (c) (2)

This condition specifies certain records which must always be kept for any unit subject to the HON rule. These records include information about any startups, shutdowns, and malfunctions of the unit or the monitoring equipment. Records must also be kept of whether the startup, shutdown, and malfunction plan was followed. In addition, this condition requires the facility to keep records proving that any equipment used to continuously monitor emissions for the HON rule has been calibrated and maintained. Having these records will demonstrate to inspectors that the facility has been complying with the provisions in the



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HON rule on an ongoing basis.

40 CFR 63.103 (d)

This condition explains how and where to send in all of their reports.

40 CFR 63.1030

Pressure relief devices in gas and vapor service standards. Equipment Leaks level 2

40 CFR 63.1031

Compressors standards Equipment Leaks level 2

40 CFR 63.1032

Sampling connection systems standards Equipment Leaks level 2

40 CFR 63.1033

Open-ended valves or lines standards Equipment Leaks level 2

40 CFR 63.1034

Closed vent systems and control devices; or emissions routed to a fuel gas system or process standards. Equipment Leaks level 2

40 CFR 63.1035

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 its recordkeeping and reporting requirements.

40 CFR 63.1036

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.

40 CFR 63.1037

Conditions under this section describe the requirements when using the alternative of enclosing



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equipment, as in a room or building under negative pressure, and venting the captured emissions to a control device, fuel gas system, or process meeting Section 63.1034.

40 CFR 63.1038

Conditions under this section describe the recordkeeping that the facility must perform to ensure compliance with the applicable requirements in 40 CFR 63 Subpart UU.

40 CFR 63.1039

Reporting requirements. Equipment Leaks level 2

40 CFR 63.104 (a) (1)

This condition states that if the pressure in the cooling water is greater than the pressure in the process fluid, then the facility does not need to check for leaks of organic hazardous air pollutants in the heat exchanger equipment.

40 CFR 63.113 (a) (3)

This condition requires the facility to reduce the organic hazardous air pollutant emissions from the process vents by calculating a value (TRE index value) and trying to maintain the value above 1. The TRE index value is based on operating parameters such as heating value and flow rate of the gas stream, and the concentration of organic compounds. If the value stays above 1, the facility will only need to keep records and submit reports proving that the TRE has stayed above 1.

40 CFR 63.113 (e)

This condition provides an incentive for the facility to reduce the organic hazardous air pollutant emissions from the process vents by calculating a value (TRE index value) and trying to maintain the value above 4. The TRE index value is based on operating parameters such as heating value and flow rate of the gas stream, and the concentration of organic compounds. If the value stays above 4, the facility will only need to keep records and submit reports proving that the TRE has stayed above 4.

40 CFR 63.115 (d)

Process vent provisions—methods and procedures for process vent group determination. NESHAP for organic chemical manufacturing

40 CFR 63.115 (d) (1)

This condition specifies the method the facility will use to calculate the TRE index value. The TRE index value is a parameter that is used to reflect the amount of organic hazardous air pollutants being emitted from a process vent. A higher TRE index value represents a lower rate of emissions of organic hazardous air pollutants. This condition in particular allows the facility to use an engineering assessment which



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includes test results, permit limits, and design analyses to determine the variables used in the calculation.

40 CFR 63.117

Process vent provisions—reporting and recordkeeping requirements for group and TRE determinations and performance tests.

40 CFR 63.117 (b)

This condition specifies the amount of paperwork that is required of a facility with process vents emitting a low amount of organic hazardous air pollutants. The paperwork that is required includes all parts of an engineering assessment (measurements, calculations, etc.) performed in order to calculate the TRE index value. The TRE index value is a number which indicates the level of control and recordkeeping needed to comply with the HON rule.

40 CFR 63.118 (c)

If the facility chooses to maintain a TRE index value high enough to be in compliance with the HON rule, this condition requires the facility to keep records of any process changes and recalculations of the TRE index value. This will prove that the facility has always had a TRE index value high enough to keep emissions of organic hazardous air pollutants at a low level.

40 CFR 63.118 (g)

Whenever a process change, as defined in §63.115(e) of this subpart, is made that causes a Group 2 process vent to become a Group 1 process vent, the owner or operator shall submit a report within 180 calendar days after the process change as specified in §63.151(j) of this subpart. This condition details what should be included.

40 CFR 63.118 (h)

This condition requires that if the TRE index value falls below 4, a report needs to be submitted on a timely basis showing why the TRE index value changed, what the new TRE index value is, and that the facility will comply with the new requirements that are required due to the new TRE index value. Having the TRE index value above 4 indicates that the facility's value is high enough to keep emissions of organic hazardous air pollutants at a low level.

40 CFR 63.123 (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.

40 CFR 63.1400

This condition details the applicability of the facility to the amino phenolic NESHAP





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40 CFR 63.1400 (i)

This regulation explains applicability of other regulations to 40 CFR 63 Subpart OOO.

40 CFR 63.1400 (j)

This condition details the applicability of the facility to the amino phenolic NESHAP

40 CFR 63.1400 (k)

This regulation details applicability of 40 CFR 63 Subpart UU to Subpart OOO.

40 CFR 63.1401

This regulation details the compliance schedule requirements of Subpart OOO with regard to the facility.

40 CFR 63.1403

This condition details emission standards for processes applicable to the amino phenolic NESHAP

40 CFR 63.1403 (a)

This condition details emission standards for processes applicable to the amino phenolic NESHAP

40 CFR 63.1403 (c)

This condition details emission standards for processes applicable to the amino phenolic NESHAP

40 CFR 63.1404

This condition details storage vessel provisions under the amino phenolic NESHAP

40 CFR 63.1406 (b)

This condition details reactor batch process vent provisions for specific facility processes

40 CFR 63.1407 (b)

This details how the carbon absorption system is to operate and meet 50 ppmv.

40 CFR 63.1408 (b)

This condition details Aggregate batch vent stream provisions



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40 CFR 63.1408 (b) (1)

This condition details Aggregate batch vent stream provisions

40 CFR 63.1410

Conditions under Section 63.1410 of the Amino/Phenolic MACT describe the equipment leak provisions that apply to the facility. With some exceptions, section 63.1410 refers to 40 CFR 63 Subpart UU for the specific leak detection and repair standards. Subpart UU in turn refers to 40 CFR 63 Subpart SS in cases where closed vent systems, control devices, recovery devices, and/or routing to a fuel gas system or process are used to comply with the equipment leak provisions. Conditions referring to those subparts are also built into the permit, as applicable.

40 CFR 63.1412

This condition describes continuous process vent applicability procedures and methods.

40 CFR 63.1414

This condition details the Test methods and emission estimation equations.

40 CFR 63.1415

This condition details the Monitoring requirements for the amino phenolic NESHAP

40 CFR 63.1415 (a)

This condition details the Monitoring requirements for the amino phenolic NESHAP

40 CFR 63.1415 (b) (5)



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40 CFR 63.1415 (d)

This condition details the Monitoring requirements for the amino phenolic NESHAP

40 CFR 63.1416

This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (b)

This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (c)

This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (d)



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This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (e)

This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (f)

This condition details the Recordkeeping requirements for the amino phenolic NESHAP

40 CFR 63.1416 (g)

This condition details the Recordkeeping requirements for the amino phenolic NESHAP



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40 CFR 63.1417

This condition details the reporting requirements for the amino phenolic NESHAP

40 CFR 63.1417 (d)

This condition details the reporting requirements for the amino phenolic NESHAP

40 CFR 63.1417 (e)

This condition details the reporting requirements for the amino phenolic NESHAP

40 CFR 63.1417 (f)

This condition details the reporting requirements for the amino phenolic NESHAP

40 CFR 63.1417 (g)

This condition details the reporting requirements for the amino phenolic NESHAP



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40 CFR 63.1417 (h)

This condition details the reporting requirements for the amino phenolic NESHAP

40 CFR 63.1417 (j)

Amino Phenolic NESHAP

40 CFR 63.1417 (k)

Amino Phenolic NESHAP

40 CFR 63.152 (d) (1)

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

40 CFR 63.162 (c)

identification of equipment for Subpart H.

40 CFR 63.162 (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.

40 CFR 63.163

This section of the Equipment Leaks rule describes the standards for pumps in light liquid service. Since the individual pumps at the facility are not listed in the permit but are contained in on-site logs or descriptions, the types of pumps that are exempt are listed in the permit for clarity.

40 CFR 63.165

This section of the Equipment Leaks rule includes the standards for pressure relief devices in gas or vapor service. These devices are designed to prevent overpressurization of tanks, reactors, etc. When one releases, it must be manually reset to a defined sealed position in a specified period of time.



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40 CFR 63.166

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.

40 CFR 63.167 (a)

This section of the Equipment Leaks rule requires caps, plugs, or blind flanges or second valves on open-ended valves and lines.

40 CFR 63.167 (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.

40 CFR 63.167 (c)

When a double block and bleed system is being used, the bleed valve or line may remain open during operations that require venting the line between the block valves but shall comply with paragraph (a) of this section at all other times.

40 CFR 63.167 (d)

Open-ended valves or lines in an emergency shutdown system which are designed to open automatically in the event of a process upset are exempt from the requirements of paragraphs (a), (b) and (c) of this section.

40 CFR 63.167 (e)

This paragraph describes certain exemptions to the requirement for open-ended valves and lines to be plugged or capped.

40 CFR 63.168

This section of the Equipment Leaks rule provides the monitoring schedule for valves in gas/vapor or light liquid service as well as the leak definition, and method for calculating of percent leaking valves. The percent leaking valves determines which schedule to use and may trigger a quality improvement program.

40 CFR 63.169

This condition reduces the emissions of organic hazardous air pollutants by requiring the facility to periodically check for leaks on various types of equipment. The facility must check for physical evidence of a leak on any pumps, connectors, agitators, or valves that are in contact with process streams that are mostly in the liquid phase. If evidence of a leak is found, then further testing is required to determine if



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the leak is bad enough to call for repair. Records must be kept and reports must be submitted in order to verify compliance with this condition.

40 CFR 63.171 (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.

40 CFR 63.171 (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.

40 CFR 63.171 (c)

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.

40 CFR 63.171 (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.

40 CFR 63.171 (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.

40 CFR 63.181 (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.

40 CFR 63.181 (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.

40 CFR 63.181 (c)

For visual inspections of equipment subject to the provisions of this subpart (e.g.,





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§63.163(b)(3), §63.163(e)(4)(i)), the owner or operator shall document that the inspection was conducted and the date of the inspection. The owner or operator shall maintain records as specified in paragraph (d) of this section for leaking equipment identified in this inspection, except as provided in paragraph (e) of this section. These records shall be retained for 2 years.

40 CFR 63.181 (d)

When each leak is detected as specified in §§63.163 and 63.164; §§63.168 and 63.169; and §§63.172 through 63.174 of this subpart, the following information shall be recorded and kept for 2 years:

40 CFR 63.181 (e)

This paragraph describes the recordkeeping requirements when pressure tests on batch systems are used to determine compliance with the rule rather than the usual methods.

40 CFR 63.181 (f)

The dates and results of each compliance test required for compressors subject to the provisions in §63.164(i) and the dates and results of the monitoring following a pressure release for each pressure relief device subject to the provisions in §§63.165 (a) and (b) of this subpart.

40 CFR 63.181 (g)

This paragraph describes the recordkeeping requirements when closed-vent systems routed to acceptable control devices are used to comply with the rule, rather than leak detection and repair programs.

40 CFR 63.181 (h)

Each owner or operator of a process unit subject to the requirements of §§63.175 and 63.176 of this subpart shall maintain the records specified in paragraphs (h)(1) through (h)(9) of this section for the period of the quality improvement program for the process unit.

40 CFR 63.181 (i)

The owner or operator of equipment in heavy liquid service shall comply with the requirements of either paragraph (i)(1) or (i)(2) of this section, as provided in paragraph



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(i)(3) of this section.

40 CFR 63.181 (j)

Identification, either by list, location (area or group) of equipment in organic HAP service less than 300 hours per year within a process unit subject to the provisions of this subpart under §63.160 of this subpart

40 CFR 63.181 (k)

Owners and operators choosing to comply with the requirements of §63.179 of this subpart shall maintain the following records:

40 CFR 63.182 (a)

This condition requires the facility to submit certain reports to the NYS DEC listing the results of the monitoring that is required in Subpart H.

40 CFR 63.182 (b)

Each owner or operator of an existing or new source subject to the provisions of this subpart shall submit a written Initial Notification to the Administrator, containing the information described in paragraph (b)(1), according to the schedule in paragraph (b)(2) of this section. The Initial Notification provisions in §63.9(b)(1) through (b)(3) of subpart A of this part shall not apply to owners or operators of sources subject to this subpart.

40 CFR 63.182 (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.

40 CFR 63.2450 (c) (2)

This condition explains how the 636 RTO should operate. Lists operational temperature limit based on most recently approved stack test.

40 CFR 63.2450 (g)



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Requirements for performance tests. The requirements specified in paragraphs (g)(1) through (5) of this section apply instead of or in addition to the requirements specified in subpart SS of this part 63.

40 CFR 63.2450 (h)

Design evaluation. To determine the percent reduction of a small control device that is used to comply with an emission limit specified in table 1, 2, 3, or 5 to this subpart, 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. For continuous process vents, the design evaluation must be conducted at maximum representative operating conditions for the process, unless the Administrator specifies or approves alternate operating conditions. For transfer racks, the design evaluation must demonstrate that the control device achieves the required control efficiency during the reasonably expected maximum transfer loading rate.

40 CFR 63.2450 (j)

Continuous emissions monitoring systems. Each continuous emissions monitoring system (CEMS) 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)

Continuous parameter monitoring. The provisions in paragraphs (k)(1) through (6) 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)

Startup, shutdown, and malfunction. 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



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40 CFR 63.2450 (p)

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 (b)

For each continuous process vent, you must either designate the vent as a Group 1 continuous process vent or determine the total resource effectiveness (TRE) index value as specified in §63.115(d), except as specified in paragraphs (b)(1) through (3) of this section

40 CFR 63.2460

You must meet each emission limit in Table 2 to this subpart that applies to you, and you must meet each applicable requirement specified in paragraphs (b) and (c) of this section.

40 CFR 63.2470 (a)

You must meet each emission limit in Table 4 to this subpart that applies to your storage tanks, and you must meet each applicable requirement specified in paragraphs (b) through (e) of this section.

40 CFR 63.2475

You must comply with each emission limit and work practice standard in table 5 to this subpart that applies to your transfer racks, and you must meet each applicable requirement in paragraphs (b) and (c) of this section.

40 CFR 63.2480

Requirements for equipments leaks subject to 40 CFR 63 FFFF

40 CFR 63.2490

This regulation sets forth the requirements for heat exchangers used in miscellaneous organic chemical manufacture.



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40 CFR 63.2495

Complying with pollution prevention standard of 40 CFR 63 FFFF

40 CFR 63.2500

Emissions averaging for 40 CFR 63 FFFF

40 CFR 63.2505

Alternative standards for 40 CFR 63 FFFF

40 CFR 63.2515

Notification requirements for FFFF

40 CFR 63.2520

Reporting requirements for FFFF

40 CFR 63.2525

Record keeping requirements of FFFF

40 CFR 63.2535 (a)

Compliance with other subparts of this part 63. (1) If you have an MCPU that includes a batch process vent that also is part of a CMPU as defined in subparts F and G of this part 63, you must comply with the emission limits; operating limits; work practice standards; and the compliance, monitoring, reporting, and recordkeeping requirements for batch process vents in this subpart, and you must continue to comply with the requirements in subparts F, G, and H of this part 63 that are applicable to the CMPU and associated equipment.

(2) After the compliance dates specified in §63.2445, at an offsite reloading or cleaning facility subject to §63.1253(f), as referenced from §63.2470(e), compliance with the monitoring, recordkeeping, and reporting provisions of any other subpart of this part 63 constitutes compliance with the monitoring, recordkeeping, and reporting provisions of §63.1253(f)(7)(ii) or §63.1253(f)(7)(iii). You must identify in your notification of compliance status report required by §63.2520(d) the subpart of this part 63 with which the owner or operator of the offsite reloading or cleaning facility complies.

40 CFR 63.2535 (b)



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Compliance with 40 CFR parts 264 and 265, subparts AA, BB, and/or CC

40 CFR 63.2535 (c)

Compliance with 40 CFR part 60, subpart Kb and 40 CFR part 61, subpart Y. After the compliance dates specified in §63.2445, you are in compliance with the provisions of this subpart FFFF for any storage tank that is assigned to an MCPU and that is both controlled with a floating roof and in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y. You are in compliance with this subpart FFFF if you have a storage tank with a fixed roof, closed-vent system, and control device in compliance with the provisions of either 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, except that you must comply with the monitoring, recordkeeping, and reporting requirements in this subpart FFFF. Alternatively, if a storage tank assigned to an MCPU is subject to control under 40 CFR part 60, subpart Kb, or 40 CFR part 61, subpart Y, you may elect to comply only with the requirements for Group 1 storage tanks in this subpart FFFF.

40 CFR 63.2535 (h)

Compliance with the provisions of 40 CFR 63 Subpart FFFF, in the manner described in paragraph (h), will constitute compliance with 40 CFR part 60, subpart DDD, III, NNN, or RRR, as applicable.

40 CFR 63.2540

Table 12 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

40 CFR 63.4

Section 63.4 outlines generally prohibited activities such as operating in noncompliance with applicable standards and circumventing the rules. It requires sources to comply with Part 63 requirements regardless of whether those requirements have been included in a title V (NYCRR Part 201-6) permit for the source. Intentional or unintentional concealment of an emission that would otherwise violate a standard is itself a violation.

40 CFR 63.6590 (b) (3)

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



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Existing 2-stroke lean burn  
Existing 4-stroke lean burn  
Existing emergency  
Existing limited-use  
Existing landfill/digester gas fuel-fired

40 CFR 63.6640 (f)

This condition states the operation requirements for emergency engines.

40 CFR 63.982 (c)

Closed vent system and nonflare control device. Owners or operators who control emissions through a closed vent system to a nonflare control device shall meet the requirements in §63.983 for closed vent systems, the applicable recordkeeping and reporting requirements of §§63.998 and 63.999, and the applicable requirements listed in paragraphs (c)(1) through (3) of this section.

40 CFR 63.996

General monitoring requirements for control and recovery devices

40 CFR 63.997

Performance test and compliance assessment requirements for control devices

40 CFR 63.998

Recordkeeping requirements.

40 CFR 63.999

Notifications and other reports

40 CFR Part 60, Subpart A

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



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40 CFR Part 63, Subpart A

The General Provisions in 40CFR63, Subpart A apply to facilities subject to other National Emission Standards for Hazardous Air Pollutants for Source Categories (NESHAP) regulations in 40 CFR 63. These rules are also known as MACT rules since they are based on attaining Maximum Achievable Control Technology. Each MACT rule has a table or section that describe which portions of the General Provisions apply to facilities covered by that particular rule and which portions are overridden or do not apply. Note that NESHAP regulations found in 40CFR61 do **not** trigger the general provisions of 40CFR63.

40 CFR Part 63, Subpart DDDDD

This subpart establishes national emission limits and work practice standards for hazardous air pollutants (HAP) emitted from industrial, commercial, and institutional boilers and process heaters located at major sources of HAP emissions. It also establishes requirements to demonstrate initial and continuous compliance with the emission limits and work practice standards.

6 NYCRR 201-6.4 (f)

This section describes the operational flexibility protocol proposed by the facility. The protocol will allow the facility owner or operator to make certain changes at the facility without the need for a permit modification. Changes made pursuant to the protocol must be approved by the Department, and will be rolled into the permit during the next renewal or modification.

6 NYCRR 211.1

This regulation requires that no person shall cause or allow emissions of air contaminants to the outdoor atmosphere of such quantity, characteristic or duration which are injurious to human, plant or animal life or to property, or which unreasonably interfere with the comfortable enjoyment of life or property.

6 NYCRR 212.10 (a) (2)

Owners and/or operators of facilities located outside of the lower Orange County and New York City metropolitan areas with an annual potential to emit of 100 tons or more of nitrogen oxides or 50 tons or more of volatile organic compounds must comply with the requirements of this section. RACT for NO<sub>x</sub>

6 NYCRR 212.10 (c) (1)





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

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

VOC removal efficiency greater than 81% is considered RACT.

6 NYCRR 212.11 (a)

?!

6 NYCRR 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.

6 NYCRR 212.3 (b)

This rule requires existing sources (in operation on or before 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 0.15 grains per dry standard cubic foot.

6 NYCRR 212.4 (a)

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

6 NYCRR 212.4 (b)

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

6 NYCRR 212.4 (c)

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

6 NYCRR 212.6 (a)

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

6 NYCRR 212-2.4 (b)



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Particulate emissions from any process emission source, which received a B or C Environmental Rating, and for which an application was received by the department after July 1, 1973 are restricted to 0.050 grains per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis.

6 NYCRR 212-3.1 (a) (2)

This provision states that owners and/or operators of facilities located outside of the the Lower Orange County towns of Blooming Grove, Chester, Highlands, Monroe, Tuxedo, Warwick, and Woodbury or New York City metropolitan area with an annual potential to emit of 100 tons or more of NO<sub>x</sub> or 50 tons or more of VOCs must comply with the requirements of this section.

6 NYCRR 212-3.1 (b)

This provision states that owners and/or operators of emission points subject to Part 212-3 must submit a compliance plan to the department by October 20, 1994. The compliance plan must either include the RACT analysis to reduce emissions or a plan to limit the annual potential to emit below the applicability levels.

6 NYCRR 212-3.1 (c) (4) (i)

This provision states that owners and/or operators of emission points subject to Part 212-3 operating prior to October 20, 1994 must submit a compliance plan to the department. The compliance plan must demonstrate that the VOC emission points are equipped with a capture system and a control device with an overall removal efficiency of at least 81 percent.

6 NYCRR 225-1.2

This section of the regulation establishes sulfur-in-fuel limitations for coal, residual oil, distillate oil, and waste oil.

6 NYCRR 225-2.5 (a)

This condition requires the source owner or operator to obtain the necessary permits before burning waste fuel in their facility



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6 NYCRR 225-2.6 (c)

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

6 NYCRR 225-2.6 (d)

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

6 NYCRR 225-2.7 (d)

This regulation requires the owner or operator to maintain the records required under 6 NYCRR Part 225-2 and make them available for inspectors from the NYSDEC.

6 NYCRR 225-2.7 (e)

This regulation requires the owner or operator to sample and analyze the waste fuel in a manner acceptable to the Department.

6 NYCRR 227-1.3 (a)

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

6 NYCRR 227-1.6 (a)

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

6 NYCRR 227-1.6 (b)

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

6 NYCRR 227-1.6 (c)

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

6 NYCRR 227-1.6 (d)

Do not tamper with a seal?

6 NYCRR 229.1 (d) (2) (vii)

This requires the owners or operators of specific types of sources located at facilities in areas other than



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the New York City metropolitan area or the Lower Orange County metropolitan area , which were designated as nonattainment areas for ozone on or after August 23, 1979, to comply with this Part according to a specific date or compliance schedule (subdivision(g)) and specified control requirements of section 229.3 of this Part.

6 NYCRR 229.1 (d) (2) (viii)

6 NYCRR 229.1 (d) (2) (x)

This requires the owners or operators of specific types of sources located at facilities in areas other than the New York City metropolitan area or the Lower Orange County metropolitan area , which were designated as nonattainment areas for ozone on or after August 23, 1979), and constructed after March 1, 1993, to demonstrate compliance upon start-up.

6 NYCRR 229.3 (e) (2) (iv)

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

6 NYCRR 229.3 (e) (2) (v)

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

6 NYCRR 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.

6 NYCRR 236.3 (a)

This condition requires synthetic organic chemical manufacturing facilities to monitor (using EPA Method 21) certain process components for leaks of volatile organic compounds on a quarterly schedule.

6 NYCRR 236.3 (c)

This condition outlines variations from the typical quarterly leak detection and repair schedule for certain types of synthetic organic chemical manufacturing components.

6 NYCRR 236.4 (a)

This condition requires repairs to be performed on leaking components at synthetic organic chemical mfg. facilities. This section of the regulation also limits the time in which the repairs must be completed and the circumstances for delaying the repairs.

6 NYCRR 236.4 (b)



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This condition requires repairs to be performed on leaking components at synthetic organic chemical mfg. facilities. This section of the regulation also limits the time in which the repairs must be completed and the circumstances for delaying the repairs

6 NYCRR 236.4 (c)

This condition requires repairs to be performed on leaking components at synthetic organic chemical mfg. facilities. This section of the regulation also limits the time in which the repairs must be completed and the circumstances for delaying the repairs

6 NYCRR 236.4 (d)

This condition allows DEC to require rescheduling a process unit shutdown to an earlier date when the number and severity of leaking components awaiting repairs at shutdown warrant it.

6 NYCRR 236.5

Conditions under section 236.5 detail the recordkeeping and reporting requirements of the process unit component leak detection and repair program. This includes an maintaining an onsite inspection log for two years and submitting quarterly reports.

6 NYCRR Part 207

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

6 NYCRR Subpart 201-7

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

**Compliance Certification**

**Summary of monitoring activities at SI GROUP INC - ROTTERDAM JUNCTION FACILITY:**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Cond No.</b>	<b>Type of Monitoring</b>
0-00001/-/002	144	work practice involving specific operations
0-00001/-/002	147	monitoring of process or control device parameters as surrogate
FACILITY	67	record keeping/maintenance procedures
0-00001/-/002	151	record keeping/maintenance procedures
0-00001/-/002	152	record keeping/maintenance procedures
FACILITY	68	record keeping/maintenance procedures
FACILITY	69	record keeping/maintenance procedures
FACILITY	72	record keeping/maintenance procedures
FACILITY	73	record keeping/maintenance procedures
0-00002/-/009	173	monitoring of process or control device parameters



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		as surrogate
0-00002/-/009	174	record keeping/maintenance procedures
0-00002/-/009	175	record keeping/maintenance procedures
0-00002/-/009	176	record keeping/maintenance procedures
0-00002/-/009	177	record keeping/maintenance procedures
0-00002/-/009	178	record keeping/maintenance procedures
0-00002/-/009	179	record keeping/maintenance procedures
0-00002/-/009	180	record keeping/maintenance procedures
0-00001	142	record keeping/maintenance procedures
0-00002/-/008	159	record keeping/maintenance procedures
0-00006/-/013/636T0	258	monitoring of process or control device parameters as surrogate
0-00002/-/010	181	record keeping/maintenance procedures
0-00006/-/013	242	record keeping/maintenance procedures
0-00002/-/010	182	record keeping/maintenance procedures
0-00006/-/013	243	record keeping/maintenance procedures
0-00002/-/010	183	record keeping/maintenance procedures
0-00006/-/013	244	record keeping/maintenance procedures
0-00002/-/010	184	record keeping/maintenance procedures
0-00006/-/013	245	record keeping/maintenance procedures
0-00002/-/010	186	record keeping/maintenance procedures
0-00006/-/013	246	record keeping/maintenance procedures
0-00002/-/010	187	record keeping/maintenance procedures
0-00006/-/013	247	record keeping/maintenance procedures
0-00002/-/010	188	intermittent emission testing
0-00004/-/015	207	intermittent emission testing
0-00002/-/010	189	record keeping/maintenance procedures
0-00006/-/013	248	record keeping/maintenance procedures
FACILITY	133	record keeping/maintenance procedures
0-00002/-/010	190	record keeping/maintenance procedures
0-00006/-/013	249	record keeping/maintenance procedures
0-00006/-/013	250	record keeping/maintenance procedures
0-00002/-/010	191	record keeping/maintenance procedures
0-00006/-/013	251	record keeping/maintenance procedures
0-00006/-/013	252	record keeping/maintenance procedures
0-00002/-/010	194	record keeping/maintenance procedures
0-00006/-/013	253	record keeping/maintenance procedures
0-00002/-/010	195	record keeping/maintenance procedures
0-00006/-/013	254	record keeping/maintenance procedures
0-00002/-/010	196	record keeping/maintenance procedures
0-00006/-/013	255	record keeping/maintenance procedures
0-00002/-/010	197	record keeping/maintenance procedures
0-00006/-/013	256	record keeping/maintenance procedures
0-00002/-/010	198	record keeping/maintenance procedures
0-00002/-/010	199	record keeping/maintenance procedures
0-00002/-/008	163	record keeping/maintenance procedures
0-00002/-/008	164	record keeping/maintenance procedures
0-00002/-/008	165	record keeping/maintenance procedures
0-00002/-/008	166	record keeping/maintenance procedures
0-00002/-/008	167	record keeping/maintenance procedures
0-00002/-/008	168	record keeping/maintenance procedures
0-00002/-/008	169	record keeping/maintenance procedures
FACILITY	77	record keeping/maintenance procedures
FACILITY	78	record keeping/maintenance procedures
FACILITY	85	record keeping/maintenance procedures
FACILITY	89	work practice involving specific operations
FACILITY	90	work practice involving specific operations
FACILITY	97	record keeping/maintenance procedures
FACILITY	98	record keeping/maintenance procedures
FACILITY	99	record keeping/maintenance procedures
FACILITY	100	record keeping/maintenance procedures
FACILITY	101	record keeping/maintenance procedures
FACILITY	102	record keeping/maintenance procedures
FACILITY	103	record keeping/maintenance procedures



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FACILITY	104	record keeping/maintenance procedures
FACILITY	105	record keeping/maintenance procedures
FACILITY	106	record keeping/maintenance procedures
FACILITY	108	record keeping/maintenance procedures
0-00006/-/012	208	record keeping/maintenance procedures
0-00006/-/012	209	record keeping/maintenance procedures
0-00006/-/012	210	record keeping/maintenance procedures
0-00006/-/012	211	record keeping/maintenance procedures
0-00006/-/012	212	record keeping/maintenance procedures
0-00006/-/012	213	record keeping/maintenance procedures
0-00004/-/014	205	record keeping/maintenance procedures
0-00006/-/012	214	intermittent emission testing
0-00006/-/012	215	intermittent emission testing
0-00006/-/012	216	intermittent emission testing
0-00006/-/012	217	intermittent emission testing
0-00006/-/012	219	record keeping/maintenance procedures
0-00006/-/012	221	monitoring of process or control device parameters as surrogate
0-00006/-/012	222	record keeping/maintenance procedures
FACILITY	2-3	monitoring of process or control device parameters as surrogate
0-00006/-/012	223	monitoring of process or control device parameters as surrogate
0-00006/-/012	224	record keeping/maintenance procedures
0-00006/-/012	225	record keeping/maintenance procedures
0-00006/-/012	226	record keeping/maintenance procedures
0-00006/-/012	227	record keeping/maintenance procedures
0-00006/-/012	228	record keeping/maintenance procedures
0-00006/-/012	229	record keeping/maintenance procedures
0-00006/-/012	230	record keeping/maintenance procedures
0-00006/-/012	231	record keeping/maintenance procedures
0-00006/-/012	232	record keeping/maintenance procedures
0-00006/-/012	233	record keeping/maintenance procedures
0-00006/-/012	234	record keeping/maintenance procedures
0-00006/-/012	235	record keeping/maintenance procedures
0-00006/-/012	236	record keeping/maintenance procedures
0-00006/-/012	237	record keeping/maintenance procedures
0-00006/-/012	238	record keeping/maintenance procedures
FACILITY	110	record keeping/maintenance procedures
0-00006/-/013	240	record keeping/maintenance procedures
0-00006/-/013	241	record keeping/maintenance procedures
FACILITY	111	record keeping/maintenance procedures
FACILITY	115	record keeping/maintenance procedures
FACILITY	117	record keeping/maintenance procedures
FACILITY	119	record keeping/maintenance procedures
FACILITY	120	record keeping/maintenance procedures
FACILITY	121	record keeping/maintenance procedures
FACILITY	122	record keeping/maintenance procedures
FACILITY	123	record keeping/maintenance procedures
FACILITY	124	record keeping/maintenance procedures
FACILITY	125	record keeping/maintenance procedures
FACILITY	126	record keeping/maintenance procedures
FACILITY	127	record keeping/maintenance procedures
FACILITY	128	record keeping/maintenance procedures
FACILITY	129	record keeping/maintenance procedures
FACILITY	130	record keeping/maintenance procedures
FACILITY	131	record keeping/maintenance procedures
FACILITY	135	record keeping/maintenance procedures
FACILITY	5	record keeping/maintenance procedures
FACILITY	6	record keeping/maintenance procedures
FACILITY	23	record keeping/maintenance procedures
FACILITY	2-2	monitoring of process or control device parameters as surrogate
0-00001	139	monitoring of process or control device parameters



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0-00001	140	as surrogate monitoring of process or control device parameters as surrogate
FACILITY	7	record keeping/maintenance procedures
FACILITY	38	record keeping/maintenance procedures
FACILITY	30	intermittent emission testing
0-00006/-/042/SB001	259	monitoring of process or control device parameters as surrogate
0-00006/-/042/SB003	260	monitoring of process or control device parameters as surrogate
0-00006/-/042/SB03S	262	monitoring of process or control device parameters as surrogate
FACILITY	33	intermittent emission testing
FACILITY	34	record keeping/maintenance procedures
FACILITY	35	monitoring of process or control device parameters as surrogate
0-00006/-/042/SB03S	2-6	monitoring of process or control device parameters as surrogate
0-00006/-/042/SB03S	2-7	intermittent emission testing
FACILITY	40	work practice involving specific operations
0-00001	141	monitoring of process or control device parameters as surrogate
0-00001/-/011/BP300	153	record keeping/maintenance procedures
FACILITY	46	record keeping/maintenance procedures
FACILITY	50	record keeping/maintenance procedures
FACILITY	51	record keeping/maintenance procedures
FACILITY	52	record keeping/maintenance procedures
FACILITY	53	record keeping/maintenance procedures
FACILITY	54	record keeping/maintenance procedures
0-00002/-/044	202	record keeping/maintenance procedures

**Basis for Monitoring**

6 NYCRR 200.5 Allows for the sealing of non-compliant air contamination sources

6 NYCRR 200.6 Acceptable ambient air quality - prohibits contravention of ambient air quality standards without mitigating measures

6 NYCRR 200.7 Anyone owning or operating an air contamination source which is equipped with an emission control device must operate the control consistent with ordinary and necessary practices, standards and procedures, as per manufacturer's specifications and keep it in a satisfactory state of maintenance and repair so that it operates effectively

6 NYCRR 201-1.2 Any existing emission source that is required to be permitted or registered but has not done so, must apply for the necessary permit or registration. The source is subject to all regulations that were applicable at the time the original permit or registration was required as well as any subsequent applicable requirements that came into effect since.

6 NYCRR 201-1.4 This regulation specifies the actions and recordkeeping and reporting requirements for any violation of an applicable emission standard that results from a necessary scheduled equipment maintenance, start-up, shutdown, malfunction or upset in the event that these are unavoidable.

6 NYCRR 201-1.5 An enforcement action may be avoided if the facility can demonstrate that an emergency situation occurred which resulted in an emission limitation or permit violation. The following information would constitute evidence of an emergency situation: a properly signed operating log recorded during the actual event which; identifies the cause(s) of the emergency, indicates that all equipment was





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operating properly at the time, the person responsible took all reasonable steps to minimize the exceedance or violation, and that the department was notified of the emergency within 2 working days of the event.

6 NYCRR 201-1.7 Requires the recycle and salvage of collected air contaminants where practical

6 NYCRR 201-1.8 Prohibits the reintroduction of collected air contaminants to the outside air

6 NYCRR 201-1.10 (b) Any permit application, compliance plan, permit, and monitoring and compliance certification report that is submitted as part of the Title V permit process must be made available to the public as per requirements set forth under 6 NYCRR Part 616 - Public Access to Records and section 114(c) of the Clean Air Act Amendments of 1990.

6 NYCRR 201-3.2 (a) An owner and/or operator of an exempt emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains exempt emission sources or units, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR 201-3.3 (a) The owner and/or operator of a trivial emission source or unit may be required to certify that it operates within the specific criteria described in this Subpart. All required records must be maintained on-site for a period of 5 years and made available to department representatives upon request. In addition, department representatives must be granted access to any facility which contains trivial emission sources or units subject to this Subpart, during normal operating hours, for the purpose of determining compliance with this and any other state and federal air pollution control requirements, regulations, or law.

6 NYCRR Subpart 201-5 This regulation applies to those permit terms and conditions which are not federally enforceable. It specifies the applicability criteria for state facility permits, the information to be included in all state facility permit applications as well as the permit content, terms of permit issuance, and sets guidelines for modifying state facility permits and allowing for operational flexibility. For permitting purposes, this rule specifies the need to list all emission units except those that are exempt or trivial pursuant to Subpart 201-3 in the permit application and provide a description of the emission unit's processes and products. Finally, this rule also provides the Department the authority to include this and any other information that it deems necessary to identify applicable Federal standards, recordkeeping and reporting requirements, and establish terms and conditions that will ensure compliance with the national ambient air quality standards.

6 NYCRR 201-5.3 (b) Lists those contaminants subject to contaminant specific requirements

6 NYCRR Subpart 201-6 This regulation applies to those terms and conditions which are subject to Title V permitting. It establishes the applicability criteria for Title V permits, the information to be included in all Title V permit applications as well as the permit content and terms of permit issuance. This rule also specifies the compliance, monitoring, recordkeeping, reporting, fee, and procedural requirements that need to be met to obtain a Title V permit, modify the permit and demonstrate conformity with applicable requirements as listed in the Title V permit. For permitting purposes, this rule specifies the need to identify and describe all emission units, processes and products in the permit application as well as providing the Department the authority to include this and any other information that it deems necessary to determine the compliance status of the facility.

6 NYCRR 201-6.5 (c) (3) This regulation specifies that the permit incorporate all reporting requirements associated with an applicable federal rule, the submittal of any required monitoring reports at least every 6



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months, and the notification and reporting of permit deviations and incidences of noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

6 NYCRR 201-6.5 (e) Sets forth the general requirements for compliance certification content; specifies an annual submittal frequency; and identifies the EPA and appropriate regional office address where the reports are to be sent.

6 NYCRR 201-6.5 (g) Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for natural resource damages, etc that are not affected by the federally enforceable portion of the permit, unless they are specifically addressed by it.

6 NYCRR 202-1.1 This regulation allows the department the discretion to require an emission test for the purpose of determining compliance. Furthermore, the cost of the test, including the preparation of the report are to be borne by the owner/operator of the source.

6 NYCRR 202-2.1 Requires that emission statements shall be submitted on or before April 15th each year for emissions of the previous calendar year.

6 NYCRR 202-2.5 This rule specifies that each facility required to submit an emission statement must retain a copy of the statement and supporting documentation for at least 5 years and must make the information available to department representatives.

6 NYCRR 211.2 This regulation limits opacity from sources to less than or equal to 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

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

40 CFR Part 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.

6 NYCRR 201-7 These are facility pollutant limits. The allowable will keep the facility from the requirements of the capped condition.

6 NYCRR 212-3.1 These conditions explain the applicability of VOC RACT. The facility has submitted and retains a VOC RACT analysis which demonstrates details of individual emission points.

6 NYCRR 212.3 Standards for Particulate emissions.

6 NYCRR 212.4 Particulate emission standards.

6 NYCRR 212.6 Opacity limiting conditions



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- 6 NYCRR 212.10 VOC RACT applicability
- 6 NYCRR 212.11 Stack testing for VOC RACT as per 6 NYCRR 202
- 6 NYCRR 225 Fuel use standards and limits
- 6 NYCRR 229.3 Combustion sources requirements
- 6 NYCRR 229 VOC storage tanks that meet the size requirements (less than 10000 gallons and 10,000-20,000) of this part are subject to certain standards and operations
- 40 CFR 60.48 Requirements for small sized boilers
- 40 CFR 60.110 Applicability of VOC storage tanks
- 40 CFR 60.116 Record keeping requirement for VOC storage tanks
- 40 CFR 63.104 Heat exchange system exemption
- 40 CFR 63.123 Storage vessel record keeping
- 40 CFR 63.152 Start-up shutdown records
- 40 CFR 63.162 Leak detection identification of components
- 40 CFR 63.163 Detection of leaks in pumps, connectors, closed vent systems and control devices, agitators, and compressors
- 40 CFR 67 40CFR 63.163, Subpart H: Pumps in light liquid service - exemptions
- 40CFR 63.165, Subpart H: Pressure relief devices in gas/vapor service - exemptions
- 40CFR 63.166, Subpart H: Sampling connection system standards
- 40CFR 63.167(a), Subpart H: Open-ended valves or lines standards
- 40CFR 63.167(b), Subpart H: A leak is 500ppm the details the leak check shedule
- 40CFR 63.167(c), Subpart H: Standards for open-ended valves and double block and bleed system
- 40CFR 63.167(d), Subpart H: Standards for open-ended valves/lines during emergency shutdown
- 40CFR 63.167(e), Subpart H: Open-ended valves or lines – exemption
- 40CFR 63.168, Subpart H: Leak check parameters
- 40CFR 63.169, Subpart H: Leak check parameters for different type components
- 40CFR 63.171(a), Subpart H: Delay of repair - general
- 40CFR 63.171(b), Subpart H: Delay of repair for isolated equipment
- 40CFR 63.171(c), Subpart H: Delay of repair - valves, connectors and agitators



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40CFR 63.171(d), Subpart H: Delay of repair - pumps

40CFR 63.171(e), Subpart H: Delay of repair beyond process unit shutdown

40CFR 63.181(a), Subpart H: General record keeping requirements

40CFR 63.181(b), Subpart H: Identification requirements for leak check components

40CFR 63.181(c), Subpart H: Visual inspection of equipment

40CFR 63.181(d), Subpart H: What should be done when a leak is detected

40CFR 63.181(e), Subpart H: Batch process pressure testing requirements

40CFR 63.181(f), Subpart H: compressors and pressure relief devices leak detection

40CFR 63.181(g), Subpart H: closed-vent systems and control devices record keeping

40CFR 63.181(h), Subpart H: Leak check record keeping requirements

40CFR 63.181(i), Subpart H: Heavy Liquid equipment record keeping

40CFR 63.181(j), Subpart H: Equipment identification

40CFR 63.181(k), Subpart H: Equipment identification

40CFR 63.182(a), Subpart H: Reporting standards - general

40CFR 63.182(b), Subpart H: Initial notification of new sources

40CFR 63.182(d), Subpart H: Reporting requirements - periodic reports

40CFR 63.982(c), Subpart SS: Closed vent system and nonflare control device. Operating requirements.

40CFR 63.998, Subpart SS: Record keeping

40CFR 63.999, Subpart SS: Reporting requirements

40CFR 63.1019, Subpart UU: Equipment Leaks

40CFR 63.1021, Subpart UU: Equipment leaks - Alt. means of emission limitation (Facility level)

40CFR 63.1022, Subpart UU: Equipment identification

40CFR 63.1023, Subpart UU: Instrument and Sensory Monitoring For Leaks

40CFR 63.1024, Subpart UU: Leak repair schedule.

40CFR 63.1025, Subpart UU: Valves in gas/vapor service and in light liquid service



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40CFR 63.1026, Subpart UU: Leak detection parameters

40CFR 63.1027, Subpart UU: Leak repair schedule

40CFR 63.1028, Subpart UU: Leak repair schedule

40CFR 63.1029, Subpart UU: Compliance Certification

40CFR 63.1030, Subpart UU: Compliance Certification

40CFR 63.1031, Subpart UU: Compliance Certification

40CFR 63.1032, Subpart UU: Compliance Certification

40CFR 63.1033, Subpart UU: Compliance Certification

40CFR 63.1034, Subpart UU: Compliance Certification

40CFR 63.1035, Subpart UU: Compliance Certification

40CFR 63.1036, Subpart UU: Compliance Certification

40CFR 63.1037, Subpart UU: Compliance Certification

40CFR 63.1038, Subpart UU: Compliance Certification

40CFR 63.1039, Subpart UU: Reporting requirements

40CFR 63.2480, Subpart FFFF: Compliance Certification

40CFR 63.2490, Subpart FFFF: Heat exchanger requirements

40CFR 63.6640(f), Subpart ZZZZ: Compliance Certification

6 NYCRR Subpart 201-7: Process Permissible Emissions

6 NYCRR 227-1.3 (a): Stationary combustion source

40CFR 63.6590(b)(3), Subpart ZZZZ: Engines that are exempt from Subpart ZZZZ

40CFR 60.42c(h), NSPS Subpart Dc: Exemption from the averaging period.

40CFR 60.42c(i), NSPS Subpart Dc: Enforceability

40CFR 60.43c(d), NSPS Subpart Dc: Enforceability of particulate matter and opacity standards.

40CFR 60.44c(h), NSPS Subpart Dc: Alternative compliance methods for sulfur dioxide.

40CFR 60.46c(e), NSPS Subpart Dc: Exemption from sulfur dioxide monitoring requirements.

6 NYCRR 227-1.3 (a): Compliance Certification



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40CFR 63.102(a), Subpart F: Startup, shutdown, malfunction operational standards

40CFR 63.103(a), Subpart F: Applicability of General Provisions

40CFR 63.103(b)(1), Subpart F: Scheduling of initial performance tests

40CFR 63.103(b)(5), Subpart F: Waiver of performance test

40CFR 63.103(c)(1), Subpart F: Record retention

40CFR 63.103(c)(2), Subpart F: Startup shutdown

40CFR 63.103(d), Subpart F: Submittal of reports

40CFR 63.113(a)(3), Subpart G: Calculation of TRE

40CFR 63.113(e), Subpart G: Standards for group 2 process vents

40CFR 63.115(d), Subpart G: Calculation of TRE

40CFR 63.115(d)(1), Subpart G: Calculation of TRE

40CFR 63.117, Subpart G: Calculation of TRE

40CFR 63.117(b), Subpart G: Calculation of TRE

40CFR 63.118(c), Subpart G: Calculation of TRE

40CFR 63.118(g), Subpart G: Calculation of TRE process change

40CFR 63.118(h), Subpart G: Calculation of TRE

40CFR 63.162(f), Subpart H: General standards - detection of leaks in valves

40CFR 60.660(c)(4), NSPS Subpart NNN: Exemption if TRE is greater than 8.0

40CFR 60.662(c), NSPS Subpart NNN: Standards for facility with TRE>1

40CFR 60.663(e), NSPS Subpart NNN: Temperature requirement for condenser

40CFR 60.664(f), NSPS Subpart NNN: Maintenance of equipment

40CFR 60.665(g)(2), NSPS Subpart NNN: Continuous temperature records

40CFR 60.665(h)(1), NSPS Subpart NNN: Keep records of chemical production

40CFR 60.665(h)(2), NSPS Subpart NNN: TRE calculations

40CFR 60.665(i), NSPS Subpart NNN: Parameters needed to be recorded



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40CFR 60.665(l), NSPS Subpart NNN: Submit reports of exceedances and TRE recalculations

40CFR 60.705(r), NSPS Subpart RRR: Process design description

40CFR 63.2450(g), Subpart FFFF: How to test for HAP in inlet and control

40CFR 63.2450(h), Subpart FFFF: Determining percent reduction of a control device

40CFR 63.2450(j), Subpart FFFF: Operating and maintaining CEMs

40CFR 63.2450(k), Subpart FFFF: Operating and maintaining continuous parameter monitoring system

40CFR 63.2450(l), Subpart FFFF: Startup, shutdown, malfunction requirements

40CFR 63.2450(p), Subpart FFFF: Opening a safety device to avoid unsafe conditions

40CFR 63.2455(b), Subpart FFFF: TRE evaluation for continuous process vent

40CFR 63.2470(a), Subpart FFFF: Group 1 storage tank control requirements

40CFR 63.2475, Subpart FFFF: Transfer Rack limit

40CFR 63.2495, Subpart FFFF: How to comply by use of pollution prevention

40CFR 63.2505, Subpart FFFF: Alternative compliance procedure

40CFR 63.2515, Subpart FFFF: 2515(a) - General notifications

40CFR 63.2515, Subpart FFFF: 2515(c) - Notification of performance test

40CFR 63.2520, Subpart FFFF: Details when reporting should be submitted

40CFR 63.2525, Subpart FFFF: Details records to be kept

40CFR 63.2535(a), Subpart FFFF: Procedures to follow for batch process vents.

40CFR 63.2535(b), Subpart FFFF: Batch process operation requirements

40CFR 63.2535(c), Subpart FFFF: Reporting requirements for control of applicable processes

40CFR 63.2535(h), Subpart FFFF: Storage tank recordkeeping and reporting

6 NYCRR 212-3.1 (c) (4) (i): Capture and Control Requirements

6 NYCRR 229.1 (d) (2) (x): New sources built after 3/1/93

6 NYCRR 229.5 (d): Facility shall maintain capacity of volatile storage tanks

40CFR 63.1403, Subpart OOO: Routing of emissions from amino phenolic sources



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40CFR 63.1404, Subpart OOO: Storage vessel provisions

40CFR 63.1410, Subpart OOO: Amino/Phenolic MACT Equipment Leaks (Capture and Control Options)

40CFR 63.2470(a), Subpart FFFF: Storage tanks required to reduce HAP emissions by 95%

40CFR 63.1400(i), Subpart OOO: Storage vessel provisions

40CFR 63.1400(k), Subpart OOO: Specifies when emission limits apply

40CFR 63.1403(c), Subpart OOO: States once controlled under this part must always be controlled

40CFR 63.1406(b), Subpart OOO: States that batch process vents routed to a control must be tested and limits shall be met

40CFR 63.1407(b), Subpart OOO: Alternative for testing

40CFR 63.1408(b), Subpart OOO: Aggregate batch vent streams must be controlled to 20ppmv HAP

40CFR 63.1408(b)(1), Subpart OOO: Stack testing aggregate batch vent streams. Condition defines emission limits.

40CFR 63.1410, Subpart OOO: Amino/Phenolic MACT Equipment. This condition describes leak check requirements under part UU or SS

40CFR 63.1412, Subpart OOO: How to assess applicability of continuous process vents

40CFR 63.1414, Subpart OOO: Summary of test methods

40CFR 63.1415, Subpart OOO: How carbon absorption control system must be monitored

40CFR 63.1415(a), Subpart OOO: Control device monitoring requirement

40CFR 63.1415(d), Subpart OOO: Monitoring of bypass lines

40CFR 63.1416, Subpart OOO: Keep records for 5 years

40CFR 63.1416(b), Subpart OOO: Startup shutdown requirements

40CFR 63.1416(c), Subpart OOO: How carbon absorption system shall be monitored

40CFR 63.1416(e), Subpart OOO: Explains what records to keep

40CFR 63.1416(f), Subpart OOO: Continuous vent records, volumetric flow rate records, process change records

40CFR 63.1416(g), Subpart OOO: calibration checks for continuous monitoring system

40CFR 63.1417, Subpart OOO: Reporting requirements

40CFR 63.1417(g), Subpart OOO: Startup shutdown requirements





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40CFR 63.1415(e), Subpart OOO: monitoring of the outlet organic HAP concentration whenever emissions are vented to the control device.

40CFR 63.996, Subpart SS: All monitoring equipment shall be installed, maintained, calibrated, 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.

40CFR 63.997, Subpart SS: Unless a waiver of performance testing is obtained under §63.997 or the referencing subpart, the owner/operator shall perform such tests as specified in §63.997(c)(1)(i) through (vii). This gives the owner/operator 180 days after the compliance date in a referencing subpart for an existing source or 180 days after startup for a new source.

40CFR 63.2450(g), Subpart FFFF: The requirements specified in paragraphs (g)(1) through (5) of this section apply instead of or in addition to the requirements specified in subpart SS of this part 63.

40CFR 63.2450(h), Subpart FFFF: determine the percent reduction of a small control device

40CFR 63.2450(j), Subpart FFFF: Record keeping for CEMs

40CFR 63.2450(k), Subpart FFFF: Requirements for continuous parameter monitoring system

40CFR 63.2460, Subpart FFFF: how to calculate emissions

40CFR 63.2475, Subpart FFFF: Transfer rack requirements

40CFR 63.2495, Subpart FFFF: Pollution Prevention alternative requirements

40CFR 63.2535(a), Subpart FFFF: Batch process vent provisions

40CFR 63.2535(b), Subpart FFFF: if AA, BB, or CC is being complied with. This condition is satisfied

40CFR 63.2540, Subpart FFFF: General provisions of subpart A

40CFR 63.2450(c)(2), Subpart FFFF: RTO operating parameters