



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

**Permit ID: 8-4642-00009/00109**

**Renewal Number: 2**

**Modification Number: 1 04/07/2015**

**Facility Identification Data**

Name: ERWIN MANUFACTURING COMPLEX  
Address: 792 ADDISON RD - S HAMILTON RD  
PAINTED POST, NY 14870

**Owner/Firm**

Name: CORNING INCORPORATED  
Address: HP-ME-02-06  
CORNING, NY 14831, USA  
Owner Classification: Corporation/Partnership

**Permit Contacts**

Division of Environmental Permits:  
Name: ROGER T MCDONOUGH  
Address: 6274 EAST AVON LIMA RD  
AVON, NY 14414-9519  
Phone:5852262466

Division of Air Resources:  
Name: YUAN ZENG  
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6274 E AVON-LIMA RD  
AVON, NY 14414-9519  
Phone:5852262466

Air Permitting Contact:  
Name: JUSTIN S DUSSEAULT  
Address: CORNING INC - ERWIN MFG COMPLEX  
792 ADDISON RD - EJ-01-01-22  
PAINTED POST, NY 14870  
Phone:6072482136

**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**

This Corning Incorporated Erwin Manufacturing Complex application is proposing to incorporate the Emission Unit U-00001 control device C157C oxidizer monitoring description and surrogate monitoring parameters to the facility's Title V Permit and does not involve any physical change to the facility land, structures or equipment.



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**Attainment Status**

ERWIN MANUFACTURING COMPLEX is located in the town of ERWIN in the county of STEUBEN. The attainment status for this location is provided below. (Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria air pollutant.)

Criteria Pollutant	Attainment Status
Particulate Matter (PM)	ATTAINMENT
Particulate Matter < 10µ in diameter (PM10)	ATTAINMENT
Sulfur Dioxide (SO2)	ATTAINMENT
Ozone*	TRANSPORT REGION (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 Erwin Manufacturing Complex manufactures ceramic filter substrates for the automotive industry.

**Permit Structure and Description of Operations**

The Title V permit for ERWIN MANUFACTURING COMPLEX

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.

ERWIN MANUFACTURING COMPLEX is defined by the following emission unit(s):

Emission unit U00005 - THIS EMISSION UNIT INCLUDES THE SAMPLES DEVELOPMENT



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ORGANIZATION OPERATIONS, INCLUDING R&D (EXEMPT) AND SMALL SCALE PILOT AND PRODUCTION OPERATIONS.

Emission unit U00005 is associated with the following emission points (EP):  
E1517, E1583, E1604, E1612, E1650, E1651, E1652, E1653, E1654, E1655, E1656, E1657, E1658  
Process: CS1 is located at Building 1A - THIS PROCESS INCLUDES THE USE OF CERAMIC FILTER DEVELOPMENT EQUIPMENT FOR PRODUCTION.

Process: CS2 is located at Building 1A - THIS PROCESS INCLUDES EQUIPMENT USED FOR R&D.

Emission unit U00008 - This emission unit consists of two oil storage tanks.

Emission unit U00008 is associated with the following emission points (EP):  
E8000, E8001  
Process: TNK This process includes two oil storage tanks.

Emission unit U00002 - THIS EMISSION UNIT ADDRESSES THE COOK AND LIGHT DUTY DIESEL CERAMIC FILTER PRODUCTION OPERATIONS.

Emission unit U00002 is associated with the following emission points (EP):  
E0014, E0015, E1546, E1595, E1608, E1610, E1614, E2000, E2040, E2050, E2060, E2061  
Process: OTH is located at Building 1A - THIS PROCESS INVOLVES CERAMIC FILTER PRODUCTION AND FINISHING LINES USING A VARIETY OF CERAMIC RAW MATERIAL COMPOSITIONS. EMISSIONS FROM THIS PROCESS EQUIPMENT ARE NOT INCLUDED IN CAPS.

Emission unit U00006 - This emission unit includes miscellaneous stationary combustion sources.

Emission unit U00006 is associated with the following emission points (EP):  
E6000, E6001, E6002, E6003, E6004, E6005, E6006, E6007  
Process: BLR This process includes the West Plant Boilers.

Process: DFP This process includes the diesel fire pump engine.

Process: GEN This process includes natural gas and diesel fired emergency generators.

Emission unit U00001 - THIS UNIT ADDRESSES THE COOK AND LIGHT DUTY DIESEL CERAMIC FILTER PRODUCTION OPERATIONS.



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Emission unit U00001 is associated with the following emission points (EP):  
E157C, E1593, E1613, E1616, E1618, E2010, E2011, E2012, E2020, E2021, E2022, E2030, E3000,  
E3001

Process: CAP is located at Building 1A - CAPPED EQUIPMENT - CERAMIC FILTER PRODUCTION  
LINES USING A VARIETY OF CERAMIC RAW MATERIAL COMPOSITIONS.

**Title V/Major Source Status**

ERWIN MANUFACTURING COMPLEX is subject to Title V requirements. This determination is based on the following information:

The Corning Erwin Manufacturing Complex meets the definition of a Major Source in 6 NYCRR Part 201-2.1(b)(21) due to potential emissions of Particulates, PM-10, PM-2.5, and CO in excess of 100 tons per year each, and VOC in excess of 50 tons per year. The facility also meets the definition of a Major Source in 40CFR52.21 due to potential emissions of Particulates, PM-10 and PM 2.5 in excess of 250 TPY each.

**Program Applicability**

The following chart summarizes the applicability of ERWIN MANUFACTURING COMPLEX with regards to the principal air pollution regulatory programs:

Regulatory Program	Applicability
PSD	YES
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
RACT	YES
SIP	YES

**NOTES:**

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

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

**NESHAP** National Emission Standards for Hazardous Air Pollutants (40 CFR 61) - contaminant



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and source specific emission standards established prior to the Clean Air Act Amendments of 1990 (CAAA) which were developed for 9 air contaminants (inorganic arsenic, radon, benzene, vinyl chloride, asbestos, mercury, beryllium, radionuclides, and volatile HAP's).

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

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

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

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

**RACT** Reasonably Available Control Technology (6 NYCRR Parts 212.10, 226, 227-2, 228, 229, 230, 232, 233, 234, 235, 236) - the lowest emission limit that a specific source is capable of meeting by application of control technology that is reasonably available, considering technological and economic feasibility. RACT is a control strategy used to limit emissions of VOC's and NOx for the purpose of attaining the air quality standard for ozone. The term as it is used in the above table refers to those state air pollution control regulations which specifically regulate VOC and NOx emissions.

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

**Compliance Status**

Facility is in compliance with all requirements.

**SIC Codes**

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**



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NONMETALLIC MINERAL PRODUCTS

**SCC Codes**

SCC or Source Classification Code is a code developed and used" by the USEPA to categorize processes which result in air emissions for the purpose of assessing emission factor information.Each SCC represents

a unique process or function within a source category logically associated with a point of air pollution emissions. Any operation that causes air pollution can be represented by one or more SCC's.

**SCC Code**

**Description**

3-05-008-99

MINERAL PRODUCTS  
 MINERAL PRODUCTS - CERAMIC CLAY/TILE  
 MANUFACTURE

4-90-999-98

Other Not Classified  
 ORGANIC SOLVENT EVAPORATION  
 MISCELLANEOUS VOLATILE ORGANIC COMPOUND  
 EVAPORATION  
 Identify the Process and Solvent in  
 Comments

**Facility Emissions Summary**

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

Cas No.	Contaminant Name	PTE	
		lbs/yr	Range
000630-08-0	CARBON MONOXIDE		>= 100 tpy but < 250 tpy
007647-01-0	HYDROGEN CHLORIDE	19800	
007664-39-3	HYDROGEN FLUORIDE		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 50 tpy but < 100 tpy
0NY075-00-0	PARTICULATES		>= 250 tpy but < 75,000 tpy
0NY075-02-5	PM 2.5		>= 250 tpy but <

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0NY075-00-5	PM-10		75,000 tpy >= 250 tpy but < 75,000 tpy
007446-09-5	SULFUR DIOXIDE		> 0 but < 2.5 tpy
0NY100-00-0	TOTAL HAP	49800	
0NY998-00-0	VOC		>= 50 tpy but < 100 tpy

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

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

**Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.2(a)(4)**



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

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.2(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 E: 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 F: 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 G: 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 or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.

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

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

**Item I: Severability - 6 NYCRR Part 201-6.4(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 J: 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





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abatement authority. Nothing in this permit shall alter or affect the following:

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

**Item K: Reopening for Cause - 6 NYCRR Part 201-6.4(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 emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

**Item L: Permit Exclusion - ECL 19-0305**

The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of



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action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

**Item M: Federally Enforceable Requirements - 40 CFR 70.6(b)**

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

**Regulatory Analysis**

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Condition</b>	<b>Short Description</b>
-- FACILITY	ECL 19-0301	131	Powers and Duties of the Department with respect to air pollution control
U-00001	40CFR 52-A.21	74, 75, 76	Prevention of Significant Deterioration
FACILITY	40CFR 60-A	37	General provisions
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4205 (c)	120	Emission Standards - Stationary CI-IC Fire Pump Engines

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FACILITY	40CFR 60-IIII.4206	38	Displacing < 30 liters/cylinder Stationary Compression Ignition IC Engines - Duration of Emission Standards
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4207 (b)	121	Stationary Compression Ignition IC Engines - Fuel Requirements beginning October 1, 2010
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4209 (a)	122	Monitoring requirement - Emergency stationary CI-IC engine
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4211 (a)	123	Stationary Compression Ignition Engines - Compliance Requirements
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4211 (b)	124	Stationary Compression Ignition Engines - Compliance Demonstration
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4211 (f)	125	Emergency generators
U- 00006/E6000/DFP/S6000	40CFR 60-IIII.4214 (b)	126	Notification, Recordkeeping Requirements - Non- emergency stationary CI-IC engines
FACILITY	40CFR 60-IIII.4218	39	Stationary Compression Ignition IC Engines - applicability of NSPS general provisions
FACILITY	40CFR 60-000.672 (a)	40, 41, 43, 1 -23	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
U- 00001/E0002/CAP/C0002	40CFR 60-000.672 (a)	78	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
U- 00001/E1541/CAP/C0001	40CFR 60-000.672 (a)	81, 82	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
U- 00001/E1547/CAP/C1547	40CFR 60-000.672 (a)	84, 85	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
U- 00001/E1593/CAP/C1593	40CFR 60-000.672 (a)	89	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
U- 00002/E1546/OTH/C0009	40CFR 60-000.672 (a)	93	Rock, gravel, sand, and clay processing and conveying -

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U- 00002/E1614/OTH/C1614	40CFR 60-000.672 (a)	97			standard for particulate matter
FACILITY	40CFR 60- 000.672 (e) (1)	1	-24		Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
FACILITY	40CFR 60-000.673	1	-25		Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
FACILITY	40CFR 60-000.674 (c)	1	-26		Rock, gravel, sand, and clay processing and conveying - reconstruction
FACILITY	40CFR 60-000.674 (d)	1	-27		Rock, gravel, sand and clay processing and conveying - monitoring of operations
FACILITY	40CFR 60-000.675	1	-28		Monitoring of Operations
FACILITY	40CFR 60-000.676 (a)	1	-29		Rock, gravel, sand, and clay processing and conveying - test methods and procedures
FACILITY	40CFR 60- 000.676 (b) (1)	1	-30		Rock, gravel, sand, and clay processing and conveying - reporting and recordkeeping
FACILITY	40CFR 60- 000.676 (b) (2)	1	-31		Subpart 000 - Nonmetallic Mineral Processing Plants - Reporting
FACILITY	40CFR 60-000.676 (f)	1	-32		requirements for wet suppression/baghouses
FACILITY	40CFR 60-000.676 (h)	1	-33		Reporting and recordkeeping
FACILITY	40CFR 60-000.676 (i)	1	-34		Rock, gravel, sand, and clay processing and conveying - reporting and recordkeeping
FACILITY	40CFR 60-000.676 (j)	1	-35		Rock, gravel, sand, and clay processing and conveying - reporting and recordkeeping - Notification of initial startup
FACILITY	40CFR 63-A.1	1	-17, 1	-18	Rock, gravel, sand and clay processing and conveying - Notification of initial startup
FACILITY	40CFR 63-ZZZZ.6590 (c)	56			Alternative means of reporting
					Subpart A
					Reciprocating Internal Combustion Engine (RICE) NESHAP

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FACILITY	40CFR 63- ZZZZ.6595 (a) (1)	57, 58	- Stationary RICE subject to Regulations under 40 CFR Part 60 Reciprocating Internal Combustion Engine (RICE) NESHAP - Compliance date for existing sources
FACILITY	40CFR 63-ZZZZ.6603 (a)	59, 60	Reciprocating Internal Combustion Engine (RICE) NESHAP - requirements for existing engines at area sources of HAP emissions
U-00006/-/GEN	40CFR 63-ZZZZ.6605 (a)	108	Reciprocating Internal Combustion Engine (RICE) NESHAP - compliance
U-00006/-/GEN	40CFR 63-ZZZZ.6605 (b)	109	Reciprocating Internal Combustion Engine (RICE) NESHAP - operate and maintain air pollution control and monitoring equipment
FACILITY	40CFR 63-ZZZZ.6625 (e)	61	Reciprocating Internal Combustion Engine (RICE) NESHAP - maintenance of engine and control device
FACILITY	40CFR 63-ZZZZ.6625 (f)	62	Reciprocating Internal Combustion Engine (RICE) NESHAP - non-resettable hour meter for certain existing emergency engines
FACILITY	40CFR 63-ZZZZ.6625 (h)	63	Reciprocating Internal Combustion Engine (RICE) NESHAP - idling time at startup
U-00006	40CFR 63-ZZZZ.6625 (i)	106	Reciprocating Internal Combustion Engine (RICE) NESHAP - oil analysis program for compression ignition engines
U-00006	40CFR 63-ZZZZ.6625 (j)	107	Reciprocating Internal Combustion Engine (RICE) NESHAP - oil analysis program for spark ignition engines
U-00006/-/GEN	40CFR 63-ZZZZ.6640 (a)	110	Reciprocating Internal Combustion Engine (RICE) NESHAP - Compliance Requirements
U-00006/-/GEN	40CFR 63-ZZZZ.6640 (b)	111	Reciprocating



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U-00006/-/GEN	40CFR 63- ZZZZ.6640(f) (1)	112			Internal Combustion Engine (RICE) NESHAP - deviations and catalyst changing Reciprocating Internal Combustion Engine (RICE) NESHAP - emergency RICE operation
U-00006/-/GEN	40CFR 63-ZZZZ.6650(b)	113			Reciprocating Internal Combustion Engine (RICE) NESHAP - reporting schedule
U-00006/-/GEN	40CFR 63-ZZZZ.6650(c)	114			Reciprocating Internal Combustion Engine (RICE) NESHAP - contents of compliance reports
U-00006/-/GEN	40CFR 63-ZZZZ.6650(d)	115			Reciprocating Internal Combustion Engine (RICE) NESHAP - deviation reports
U-00006/-/GEN	40CFR 63-ZZZZ.6650(e)	116			Reciprocating Internal Combustion Engine (RICE) NESHAP - deviation reporting contained in compliance reports
U-00006/-/GEN	40CFR 63-ZZZZ.6650(f)	117			Reciprocating Internal Combustion Engine (RICE) NESHAP - Title V and NESHAP reporting
U-00006/-/GEN	40CFR 63-ZZZZ.6655	118			Reciprocating Internal Combustion Engine (RICE) NESHAP - Record keeping requirements
U-00006/-/GEN	40CFR 63-ZZZZ.6665	119			Reciprocating Internal Combustion Engine (RICE) NESHAP - General provisions
FACILITY	40CFR 64	65, 1	-36, 1	-37	COMPLIANCE ASSURANCE MONITORING
FACILITY	40CFR 68	20			Chemical accident prevention provisions
FACILITY	40CFR 82-F	21			Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	1			Acceptable ambient air quality.
FACILITY	6NYCRR 200.7	10			Maintenance of equipment.
FACILITY	6NYCRR 201-1.15	1	-41		Requirement to Commence Construction
FACILITY	6NYCRR 201-1.4	1	-40		Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	1	-6		Recycling and Salvage
FACILITY	6NYCRR 201-1.8	12			Prohibition of reintroduction of collected contaminants to the

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FACILITY	6NYCRR 201-3.2 (a)	1	-7, 1	-8	air
FACILITY	6NYCRR 201-3.3 (a)	1	-9		Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-6	22,	67,	68	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-6.4 (a) (4)	1	-10		Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.4 (a) (7)	1	-1		General Conditions - Requirement to Provide Information
FACILITY	6NYCRR 201-6.4 (a) (8)	1	-11		General Conditions - Fees
FACILITY	6NYCRR 201-6.4 (c)	1	-2		General Conditions - Right to Inspect
FACILITY	6NYCRR 201-6.4 (c) (2)	1	-3		Recordkeeping and Reporting of Compliance Monitoring Records of
FACILITY	6NYCRR 201- 6.4 (c) (3) (ii)	1	-4		Monitoring, Sampling and Measurement Reporting
FACILITY	6NYCRR 201-6.4 (d) (4)	1	-13		Requirements - Deviations and Noncompliance
FACILITY	6NYCRR 201-6.4 (e)	1	-5		Compliance Schedules - Progress Reports
FACILITY	6NYCRR 201-6.4 (f)	1	-14		Compliance Certification
FACILITY	6NYCRR 201-6.4 (f) (6)	1	-12		Operational Flexibility
FACILITY	6NYCRR 201-6.4 (g)	1	-15		Off Permit Changes
FACILITY	6NYCRR 201-6.5 (f)	23			Permit Shield
FACILITY	6NYCRR 201-6.5 (g)	24,	25		Operational flexibility
FACILITY	6NYCRR 201-7.1	1	-16, 1	-17, 1	Permit shield
FACILITY	6NYCRR 202-1.1	19			Emission Capping in Facility Permits
FACILITY	6NYCRR 202-2.1	7			Required emissions tests.
FACILITY	6NYCRR 202-2.5	8			Emission Statements - Applicability
FACILITY	6NYCRR 211.1	29			Emission Statements - record keeping requirements.
U- 00002/E1595/OTH/S1595	6NYCRR 212.10 (c) (1)	94			General Prohibitions - air pollution prohibited
U- 00005/E1651/CS1/SCM02	6NYCRR 212.10 (c) (1)	104			NOx and VOC RACT required at major facilities
U-00001	6NYCRR 212.10 (c) (4) (i)	69			NOx and VOC RACT required at major facilities
U-00001/-/CAP/C157C	6NYCRR 212.10 (c) (4) (i)	1	-38, 1	-39	NOx and VOC RACT required at major facilities
U-00001/-/CAP/S1530	6NYCRR 212.10 (c) (4) (i)	77			NOx and VOC RACT required at major facilities
U-	6NYCRR	79,	80		NOx and VOC RACT

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00001/E0003/CAP/C0003	212.10 (c) (4) (i)			required at major facilities
U-00001/E157A/CAP/C157A	6NYCRR 212.10 (c) (4) (i)	86		NOx and VOC RACT required at major facilities
U-00001/E157B/CAP/C157B	6NYCRR 212.10 (c) (4) (i)	87		NOx and VOC RACT required at major facilities
U-00005	6NYCRR 212.10 (c) (4) (i)	101		NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.10 (f)	33		NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.11 (a)	34		Sampling and monitoring
FACILITY	6NYCRR 212.4 (a)	134, 1	-42	General Process Emission Sources - emissions from new sources and/or modifications
U-00001/-/CAP	6NYCRR 212.4 (a)	135		General Process Emission Sources - emissions from new sources and/or modifications
U-00001/-/CAP/S1530	6NYCRR 212.4 (a)	136		General Process Emission Sources - emissions from new sources and/or modifications
FACILITY	6NYCRR 212.4 (c)	1	-19	General Process Emission Sources - emissions from new processes and/or modifications
U-00001/E1545/CAP/C1545	6NYCRR 212.4 (c)	83		General Process Emission Sources - emissions from new processes and/or modifications
U-00001/E1613/CAP/C0099	6NYCRR 212.4 (c)	90		General Process Emission Sources - emissions from new processes and/or modifications
U-00002/E0014/OTH/C0014	6NYCRR 212.4 (c)	91		General Process Emission Sources - emissions from new processes and/or modifications
U-00002/E0015/OTH/C0015	6NYCRR 212.4 (c)	92		General Process Emission Sources - emissions from new processes and/or modifications
U-00002/E1608/OTH/C0012	6NYCRR 212.4 (c)	95		General Process Emission Sources - emissions from new processes and/or modifications
U-00002/E1610/OTH/C0013	6NYCRR 212.4 (c)	96		General Process Emission Sources - emissions from new





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U- 00002/E2000/OTH/C2000	6NYCRR 212.4 (c)	98		processes and/or modifications General Process Emission Sources - emissions from new processes and/or modifications
U- 00002/E2040/OTH/C2040	6NYCRR 212.4 (c)	99		General Process Emission Sources - emissions from new processes and/or modifications
U- 00002/E2050/OTH/C2050	6NYCRR 212.4 (c)	100		General Process Emission Sources - emissions from new processes and/or modifications
U- 00005/E1604/CS1/C0011	6NYCRR 212.4 (c)	102		General Process Emission Sources - emissions from new processes and/or modifications
U- 00005/E1650/CS1/C1650	6NYCRR 212.4 (c)	103		General Process Emission Sources - emissions from new processes and/or modifications
FACILITY	6NYCRR 212.6 (a)	31, 1	-20	General Process Emission Sources - opacity of emissions limited
FACILITY	6NYCRR 215.2	9		Open Fires - Prohibitions
FACILITY	6NYCRR 225-1.2 (f)	1	-21	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 225-1.2 (h)	1	-22	Sulfur-in-Fuel Limitations
FACILITY	6NYCRR 226	36		SOLVENT METAL CLEANING PROCESSES
U-00001	6NYCRR 227-1.3 (a)	70		Smoke Emission Limitations.
U-00006	6NYCRR 227-1.3 (a)	105		Smoke Emission Limitations.
U-00008	6NYCRR 229.3 (e) (2) (v)	130		Volatile organic liquid storage tanks
U-00001	6NYCRR 231-2	71, 72, 73		New Source Review in Nonattainment Areas and Ozone Transport Region

**Applicability Discussion:**

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

ECL 19-0301

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

6 NYCRR 200.6

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



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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.

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)



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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.

6 NYCRR 201-6.4 (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 201-6.4 (g)

Permit Exclusion Provisions - specifies those actions, such as administrative orders, suits, claims for



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

40 CFR Part 82, Subpart F

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

**Facility Specific Requirements**

In addition to Title V, ERWIN MANUFACTURING COMPLEX has been determined to be subject to the following regulations:

40 CFR 52.21

This citation applies to facilities that are subject to Prevention of Significant Deterioration provisions;

ie: facilities that are located in an attainment area and that emit pollutants which are listed in 40 CFR 52.21(b)(23)(i) .

40 CFR 60.4205 (c)

This requirement applies to stationary compression ignition IC fire pump engines displacing less than 30 liters/cylinder.



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40 CFR 60.4206

This requirement mandates that owners or operators of stationary compression ignition IC engines that achieve the emission standards as required in 40 CFR 60.4204 and 4205 maintain the engines according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer, over the entire life of the engine.

40 CFR 60.4207 (b)

This provision specifies the diesel fuel requirements for affected stationary CI ICE beginning October 1, 2010.

40 CFR 60.4209 (a)

The owner and/or operator of an emergency stationary compression ignition internal combustion engine subject to this subpart is required to install a non-resettable hour meter.

40 CFR 60.4211 (a)

This regulation states that the owner or operator must comply with the emission standards specified in 40 CFR 60 Subpart IIII and must operate and maintain the stationary compression ignition internal combustion engine and control device according to the manufacturer's written instructions.

40 CFR 60.4211 (b)

This provision specifies the compliance requirements for owner or operator of a pre-2007 model year stationary CI internal combustion engine or a CI fire pump engine that is manufactured prior to the model years in table 3 to this subpart.

40 CFR 60.4211 (f)

This provision specifies the operating requirements for emergency stationary ICE.

40 CFR 60.4214 (b)

This provision specifies the recordkeeping requirements for affected emergency engines.

40 CFR 60.4218

This provision specifies the applicability of the General Provisions.

40 CFR 60.672 (a)

This regulation limits the opacity of emissions from a stack at a non-metallic processing facility to not greater than 7%. Further, the emissions of particulate matter from the stack may not exceed 0.022



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grains per dry standard cubic feet.

40 CFR 60.672 (e) (1)

This provision specifies the particulate emission limits for enclosed affected facilities.

40 CFR 60.673

This provision refines the concept of reconstruction set forth in 40CFR60.15.

40 CFR 60.674 (c)

This regulation requires quarterly opacity monitoring for non-metallic mineral processing units that use a baghouse to control particulates.

40 CFR 60.674 (d)

This regulation specifies that as an alternative to the periodic Method 22 (40 CFR part 60, Appendix A-7) visible emissions inspections specified in paragraph (c) of 40 CFR 60.674, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions may use a bag leak detection system.

40 CFR 60.675

This provision specifies test methods and procedures.

40 CFR 60.676 (a)

This provision specifies the reporting requirements for replacing existing facilities.

40 CFR 60.676 (b) (1)

This regulation specifies the recordkeeping requirements for periodic inspection required at facilities subject to 40 CFR 60 Subpart OOO.

40 CFR 60.676 (b) (2)

This regulation specifies the recordkeeping requirements for leak detection systems at facilities subject to 40 CFR 60 Subpart OOO.

40 CFR 60.676 (f)

This provision specifies the reporting requirements for performance tests.

40 CFR 60.676 (h)



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The notification of the anticipated date of initial startup of an affected facility shall be waived for owners or operators of affected facilities regulated under this subpart. Instead, a notification of the actual date of initial startup may be substituted..

40 CFR 60.676 (i)

This regulation requires the owner or operator of portable aggregate processing plants to notify the administrator of the actual date of initial startup which shall include the home office and the current address or location of the portable plant.

40 CFR 60.676 (j)

This regulation states that the requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State.

40 CFR 63.1

This regulation contains the Applicability Provisions of 40 CFR 63.

40 CFR 63.6590 (c)

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

40 CFR 63.6595 (a) (1)

This condition lists the compliance date for engines that qualify as existing affected sources as having to be in compliance no later than June 15, 2007.

40 CFR 63.6603 (a)

These conditions list the emission limits, operating limits, and work practices that existing engines located at an area source of HAP emissions must meet.

The engines must meet work practices, emission limits, and operating limits on carbon monoxide



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or formaldehyde for the specific type of engine listed in table 2d of subpart ZZZZ.

40 CFR 63.6605 (a)

This condition states that the facility must meet all emission limits and operating limits that this rule imposes at all times.

40 CFR 63.6605 (b)

This condition requires the facility to operate their engine(s) so that emissions of hazardous air pollutants are minimized during periods when the engine(s) are starting up, shutting down, and malfunctioning.

40 CFR 63.6625 (e)

This regulation requires the owners or operator of an existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions, an existing stationary emergency RICE, or an existing stationary RICE located at an area source of HAP emissions must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

40 CFR 63.6625 (f)

This condition reduces the emission of hazardous air pollutants by requiring existing emergency engines greater than or equal to 500 brake horsepower located at a major source of HAP emissions and existing emergency engines located at an area source of HAP emissions to install a non-resettable hour meter.

40 CFR 63.6625 (h)

This regulation requires the owner or operator of a reciprocating internal combustion engine, operating at a major source of hazardous air pollutants, to minimize the idling time of the engine at startup. Startup time is limited to 30 minutes or less.

40 CFR 63.6625 (i)

This condition allows compression ignition engines subject to work practices to extend the length of time between oil changes.





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40 CFR 63.6625 (j)

This condition allows spark ignition engines subject to work practices to extend the length of time between oil changes.

40 CFR 63.6640 (a)

This condition reduces the emissions of hazardous air pollutants from reciprocating internal combustion engines (RICE) by listing what the facility has to do to prove that it is continuously meeting the emission limits listed in this rule.

When the facility conducted the performance test to measure the emissions of pollutants during normal engine operation, the facility had to either install a device to continuously measure these emissions or measure parameters which are representative of what the emissions would be during operation of the engine. Then this information must be submitted to the NYSDEC so that DEC can tell from the compliance reports whether the emission limits are being met.

40 CFR 63.6640 (b)

This condition specifies what the facility needs to do in the event that the results of the monitoring show that the facility was not meeting the emission limits in this rule. This is called a deviation from the emission limits and/or operating limits of this rule and must be reported to NYSDEC.

This condition also requires the facility to conduct another performance test and re-establish the operating parameters if the catalyst in the control device is changed.

40 CFR 63.6640 (f) (1)

This regulation sets forth the compliance provisions for the operation of reciprocating internal combustion engines in emergency situations.

40 CFR 63.6650 (b)

This regulation sets forth the reporting requirements for the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6650 (c)

This condition lists what the facility needs to submit with the semiannual compliance report



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required in this rule.

40 CFR 63.6650 (d)

This condition lists what the facility needs to submit when a deviation occurs with respect to requirements in this rule.

40 CFR 63.6650 (e)

This condition lists what information the facility needs to submit for each deviation from an emission limit or operating limit.

40 CFR 63.6650 (f)

This condition states when information in the compliance report required by the NESHAP can be used for the semiannual monitoring report required for Title V.

40 CFR 63.6655

This regulation sets forth the record keeping requirements for owners or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR 63.6665

This regulation specifies which provisions of the General provisions (Subpart A of 40 CFR 63) apply to the owner or operators of stationary internal combustion engines at facilities with emissions of hazardous air pollutants.

40 CFR Part 60, Subpart A

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

40 CFR Part 64

The federal Compliance Assurance Monitoring (CAM) rule, 40 CFR Part 64, requires monitoring of control device, capture system, and/or process parameters to provide a reasonable assurance of compliance with emission limitations or standards. It applies to emission units that use a control device to comply with certain standards and limitations and that have potential pre-control device emissions equal to or greater than a major source threshold.

Acid Rain program requirements; stratospheric ozone protection requirements; post-1990 New Source Performance Standards, Emission Guidelines, and National Emission Standards for Hazardous Air



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Pollutants; and some other limitations are exempt from CAM. However, many of the exempt requirements are subject to less stringent periodic monitoring under 40 CFR Part 70 and 6NYCRR Subpart 201-6.

6 NYCRR 201-1.15

The existence of a valid permit shall not be construed as authorizing construction if construction is not commenced within 18 months after the date of permit issuance, if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time as determined by the department. Up to an 18-month extension may be granted by the department upon a showing of good cause in a written request by the facility owner or operator. The department may suspend, modify or revoke the permit or registration pursuant to Part 621 of this Title if construction or modification has not commenced within 18 months of issuance of such permit or registration, or construction has been discontinued for a period of more than 18 months at any point after issuance of such permit or registration.

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 201-6.5 (f)

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

6 NYCRR 201-7.1

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

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 (c) (1)

Reasonably available control technology compliance plans for major facilities. The compliance plan



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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.

VOC removal efficiency greater than 81% is considered RACT.

6 NYCRR 212.10 (f)

Owners and/or operators of NO<sub>x</sub> and VOC sources must submit a RACT compliance plan with each application for a permit to construct and implement this plan when operation commences. A RACT analysis is not required for sources with potential emissions less than 3 lb/hr and actual emissions less than 15 lb/day at facilities outside of the lower Orange County and New York City metropolitan areas.

6 NYCRR 212.11 (a)

This rule specifies the notification and stack testing requirements.

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 (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 225-1.2 (f)

Sulfur-in-fuel limitations for the purchase of #2 heating oil on or after July 1, 2012.



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6 NYCRR 225-1.2 (h)

Sulfur-in-fuel limitation for the firing of distillate oil on or after July 1, 2016.

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 229.3 (e) (2) (v)

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

6 NYCRR Part 226

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

6 NYCRR Subpart 231-2

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

**Non Applicability Analysis**

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

<b>Location Facility/EU/EP/Process/ES</b>	<b>Regulation</b>	<b>Short Description</b>
FACILITY	40 CFR Part 63, Subpart JJJJJ	Brick and Structural Clay NESHAP

Reason: The Erwin Manufacturing Complex's kilns do not meet the definition of an affected source at a Brick and Structural Clay Product Manufacturing Facility, therefore these kilns are not subject to this standard.

FACILITY	40 CFR Part 63, Subpart KKKKK	Clay Ceramics Manufacturing NESHAP
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Reason: The Erwin Manufacturing Complex does not meet the definition of a Clay Ceramics Manufacturing Facility, therefore the facility is not subject to this standard.

FACILITY 40 CFR Part 63, Subpart Clay Ceramics  
RRRRRR Manufacturing Area  
Source NESHAP

Reason: The Erwin Manufacturing Complex is not subject to 40CFR63 Subpart RRRRRR National Emission Standards For Hazardous Air Pollutants for Clay Ceramics Manufacturing Area Sources because it does not meet the definition of a Clay Ceramics Manufacturing Area Source.

FACILITY 40 CFR Part 63, Subpart Refractory Products  
SSSSS Manufacturing NESHAP

Reason: The Erwin Manufacturing Complex is not subject to 40CFR63 Subpart SSSSS National Emission Standard For Hazardous Air Pollutants for Refractory Products Manufacturing because it does not meet the definition of a Refractory Ceramic Products Manufacturing Facility.

NOTE: Non-applicability determinations are cited as a permit condition under 6 NYCRR Part 201-6.4(g). This information is optional and provided only if the applicant is seeking to obtain formal confirmation, within an issued Title V permit, that specified activities are not subject to the listed federal applicable or state only requirement. The applicant is seeking to obtain verification that a requirement does not apply for the stated reason(s) and the Department has agreed to include the non-applicability determination in the issued Title V permit which in turn provides a shield against any potential enforcement action.

**Compliance Certification**

**Summary of monitoring activities at ERWIN MANUFACTURING COMPLEX:**

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
U-00001	74	monitoring of process or control device parameters as surrogate
U-00001	75	monitoring of process or control device parameters as surrogate
U-00001	76	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	120	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	121	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	122	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	123	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	124	record keeping/maintenance procedures
U-00006/E6000/DFP/S6000	125	monitoring of process or control device parameters as surrogate



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U-00006/E6000/DFP/S6000	126	record keeping/maintenance procedures
FACILITY	1-23	intermittent emission testing
FACILITY	40	record keeping/maintenance procedures
FACILITY	41	intermittent emission testing
FACILITY	43	intermittent emission testing
U-00001/E0002/CAP/C0002	78	monitoring of process or control device parameters as surrogate
U-00001/E1541/CAP/C0001	81	intermittent emission testing
U-00001/E1541/CAP/C0001	82	monitoring of process or control device parameters as surrogate
U-00001/E1547/CAP/C1547	84	intermittent emission testing
U-00001/E1547/CAP/C1547	85	monitoring of process or control device parameters as surrogate
U-00001/E1593/CAP/C1593	89	monitoring of process or control device parameters as surrogate
U-00002/E1546/OTH/C0009	93	monitoring of process or control device parameters as surrogate
U-00002/E1614/OTH/C1614	97	monitoring of process or control device parameters as surrogate
FACILITY	1-24	intermittent emission testing
FACILITY	1-25	record keeping/maintenance procedures
FACILITY	1-26	monitoring of process or control device parameters as surrogate
FACILITY	1-27	record keeping/maintenance procedures
FACILITY	1-30	record keeping/maintenance procedures
FACILITY	1-31	record keeping/maintenance procedures
FACILITY	1-32	record keeping/maintenance procedures
FACILITY	1-35	record keeping/maintenance procedures
FACILITY	57	record keeping/maintenance procedures
FACILITY	58	record keeping/maintenance procedures
FACILITY	59	record keeping/maintenance procedures
FACILITY	60	record keeping/maintenance procedures
FACILITY	61	record keeping/maintenance procedures
FACILITY	62	record keeping/maintenance procedures
FACILITY	63	monitoring of process or control device parameters as surrogate
U-00006	106	record keeping/maintenance procedures
U-00006	107	record keeping/maintenance procedures
U-00006/-/GEN	110	record keeping/maintenance procedures
U-00006/-/GEN	111	record keeping/maintenance procedures
U-00006/-/GEN	112	record keeping/maintenance procedures
U-00006/-/GEN	117	record keeping/maintenance procedures
U-00006/-/GEN	118	record keeping/maintenance procedures
U-00006/-/GEN	119	record keeping/maintenance procedures
FACILITY	1-36	record keeping/maintenance procedures
FACILITY	1-37	record keeping/maintenance procedures
FACILITY	65	record keeping/maintenance procedures
FACILITY	1-8	work practice involving specific operations
FACILITY	1-4	record keeping/maintenance procedures
FACILITY	1-5	record keeping/maintenance procedures
FACILITY	1-14	record keeping/maintenance procedures
FACILITY	23	record keeping/maintenance procedures
FACILITY	24	record keeping/maintenance procedures
FACILITY	1-17	record keeping/maintenance procedures
FACILITY	1-18	record keeping/maintenance procedures
FACILITY	7	record keeping/maintenance procedures
U-00001	69	record keeping/maintenance procedures
U-00001/-/CAP/C157C	1-38	monitoring of process or control device parameters as surrogate
U-00001/-/CAP/C157C	1-39	monitoring of process or control device parameters as surrogate
U-00001/-/CAP/S1530	77	record keeping/maintenance procedures
U-00001/E0003/CAP/C0003	79	monitoring of process or control device parameters as surrogate



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U-00001/E0003/CAP/C0003	80	record keeping/maintenance procedures
U-00001/E157A/CAP/C157A	86	monitoring of process or control device parameters as surrogate
U-00001/E157B/CAP/C157B	87	monitoring of process or control device parameters as surrogate
U-00005	101	intermittent emission testing
FACILITY	33	record keeping/maintenance procedures
FACILITY	134	record keeping/maintenance procedures
U-00001/-/CAP	135	record keeping/maintenance procedures
U-00001/-/CAP/S1530	136	record keeping/maintenance procedures
FACILITY	1-19	monitoring of process or control device parameters as surrogate
U-00001/E1545/CAP/C1545	83	monitoring of process or control device parameters as surrogate
U-00001/E1613/CAP/C0099	90	monitoring of process or control device parameters as surrogate
U-00002/E0014/OTH/C0014	91	monitoring of process or control device parameters as surrogate
U-00002/E0015/OTH/C0015	92	monitoring of process or control device parameters as surrogate
U-00002/E1608/OTH/C0012	95	monitoring of process or control device parameters as surrogate
U-00002/E1610/OTH/C0013	96	monitoring of process or control device parameters as surrogate
U-00002/E2000/OTH/C2000	98	monitoring of process or control device parameters as surrogate
U-00002/E2040/OTH/C2040	99	monitoring of process or control device parameters as surrogate
U-00002/E2050/OTH/C2050	100	monitoring of process or control device parameters as surrogate
U-00005/E1604/CS1/C0011	102	monitoring of process or control device parameters as surrogate
U-00005/E1650/CS1/C1650	103	monitoring of process or control device parameters as surrogate
FACILITY	1-20	record keeping/maintenance procedures
FACILITY	31	record keeping/maintenance procedures
FACILITY	1-21	work practice involving specific operations
FACILITY	1-22	work practice involving specific operations
FACILITY	36	record keeping/maintenance procedures
U-00001	70	monitoring of process or control device parameters as surrogate
U-00006	105	monitoring of process or control device parameters as surrogate
U-00008	130	record keeping/maintenance procedures
U-00001	71	monitoring of process or control device parameters as surrogate
U-00001	72	monitoring of process or control device parameters as surrogate
U-00001	73	record keeping/maintenance procedures

**Basis for Monitoring**

Most of the monitoring requirements contained in this permit are based on specific monitoring methods and observations as prescribed in the applicable rules. Facility specific monitoring conditions were written to assure that reliable information is obtained representing the facility's compliance status with the following requirements:

**6 NYCRR Part 201-7.1**

Sets facility level emission limits for aggregate HAPs and hydrogen chloride emissions to maintain the facility's area source status for MACT applicability determination.





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Sets process level emission limits to cap the particulates emissions below the NSR applicability thresholds.

Requires compliance demonstrations and record keeping.

6NYCRR Part 212.4(a)

Requires monitoring of control equipment, ambient air quality impact analysis, and record keeping to indicate mandated control of emissions.

6NYCRR Part 212.4(c)

Requires operation and monitoring of control equipment and recordkeeping to demonstrate compliance.

6NYCRR Part 212.6(a)

Requires monitoring of opacity emissions and semiannual reporting. Specifies the operation requirements for control devices installed voluntarily.

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

Sets RACT limits for VOCs. Requires stack tests, operation and monitoring of control equipment, and record keeping of process parameters or process material quantities to demonstrate compliance.

6NYCRR Part 225-1.2(f)

Sets Sulfur-in-fuel limitations for the purchase of #2 heating oil on or after July 1, 2012.

6NYCRR Part 225-1.2(h)

Sets Sulfur-in-fuel limitation for the firing of distillate oil on or after July 1, 2016.

40CFR60.672(a)

Sets opacity and particulates emission standards and requires stack tests, operation and monitoring of control equipment, and recordkeeping.

6NYCRR Part 231-2

Sets VOC and NO<sub>x</sub> emission limits under NSR applicability thresholds and requires compliance monitoring and recordkeeping.

40CFR 52.21

Sets particulates emission limits under NSR applicability thresholds and requires monitoring and recordkeeping.

40CFR64

Sets compliance assurance monitoring requirements for the VOC, PM and HF emission sources meeting the applicability criteria.