



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

**Permit ID: 4-0103-00016/00048  
05/28/2014**

**Facility Identification Data**

Name: NORLITE CORP  
Address: 628 S SARATOGA ST  
COHOES, NY 12047

**Owner/Firm**

Name: NORLITE LLC  
Address: PO BOX 694  
COHOES, NY 12047-0694, USA  
Owner Classification: Corporation/Partnership

**Permit Contacts**

Air Permitting Facility Owner Contact:  
Name: TIMOTHY F LACHELL  
Address: NORLITE CORPORATION  
628 S SARATOGA ST  
COHOES, NY 12047  
Phone:5182350401

**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**

INITIAL TITLE V OPERATING PERMIT

**Attainment Status**

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

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



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- \* Ozone is regulated in terms of the emissions of volatile organic compounds (VOC) and/or oxides of nitrogen (NOx) which are ozone precursors.
  - \*\* NOx has a separate ambient air quality standard in addition to being an ozone precursor.

**Facility Description:**

FACILITY PRODUCES EXPANDED LIGHTWEIGHT AGGREGATE. IN TWO KILNS FIRED WITH OIL, GAS, WASTE OIL AND HAZARDOUS WASTE FUELS.

**Permit Structure and Description of Operations**

The Title V permit for NORLITE CORP

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.

NORLITE CORP is defined by the following emission unit(s):

Emission unit KILNSG - PRODUCTION OF EXPANDED AGGREGATE IN ROTARY KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED AND HAZARDOUS WASTES AND NON-HAZARDOUS WASTE OILS, NATURAL GAS, AND NOS. 2, 4 AND/OR 6 FUEL OILS AS FUEL SOURCES.

This emission unit covers the operation of the following:

Kiln # 1, Emission point 00001  
Kiln # 2, Emission point 00002

Clinker cooler #1, Emission Point # 0003A  
Clinker Cooler #2, Emission point # 0003B

Building : B3, Main Plant

Emission unit KILNSG is associated with the following emission points (EP):  
00001, 00002, 0003A, 0003B

Process: KCC is located at Building B3 - KILN #1 AND #2 CLINKER COOLERS. PRODUCTION OF



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EXPANDED AGGREGATE IN ROTARY KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED AND HAZARDOUS AND NON-HAZARDOUS WASTE OILS, NATURAL GAS, AND NOS. 2, 4 AND/OR 6 FUEL OILS AS FUEL SOURCES.

Process: KHF is located at Building B3 - KILNS #1 AND #2 SCRUBBER EXHAUST. PRODUCTION OF EXPANDED AGGREGATE IN ROTARY KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED AND HAZARDOUS WASTE.

Process: KNF is located at Building B3 - KILNS #1 AND #2 SCRUBBER EXHAUST. PRODUCTION OF EXPANDED AGGREGATE IN ROTARY KILNS USING NATURAL SHALE AS THE RAW MATERIAL FEED AND NON-HAZARDOUS WASTE, NATURAL GAS, OR NOS. 2, 4 AND 6 FUEL OILS..

Emission unit MISCES - TRANSPORTATION, LOADING AND UNLOADING OF PRODUCT, KILN FEED AND RIM SEAL, SCREENING AND HOPPER OPERATIONS, UNLOADING OF FUEL, DRUM STORAGE, FUEL TRANSFER SYSTEM, FUTURE SCREEN, CONVEYOR AND PELLETIZER, AND QUARRY OPERATIONS.

Emission unit MISCES is associated with the following emission points (EP):  
00018, 00046, 00047, 00048, 00049, 00050

Process: DRS is located at Building B4 - DRUM STORAGE.

Process: FSH is located at Building B2 - FINISHING PLANT SCREEN, HOPPER, CONVEYORS, BELTS, AND STACKER OPERATIONS. CLINKER IS FED TO THE FINISHING PLANT WHERE IT IS SIZED, SCREENED, AND BLENDED TO YIELD LIGHT WEIGHT AGGREGATE.

Process: FTS is located at Building B2 - FUEL TRANSFER SYSTEM. FUEL IS TRANSFERRED FROM THE STORAGE TANKS TO THE KILNS.

Process: KFR is located at Building B3 - KILNS #1 AND #2 FEED AND RIM SEAL (FRONT AND REAR).

Process: PSH is located at Building B1 - PRIMARY PLANT SCREEN, HOPPER, CONVEYORS, BELTS, AND STACKER OPERATIONS. SHALE IS CRUSHED, SCREENED, AND THEN CONVEYED TO THE KILNS TO PRODUCE CLINKER.

Process: QRY is located at Building B5 - QUARRY OPERATIONS. QUARRY BLASTING, DRILLING, LOADING OPERATIONS, AND VEHICULAR TRANSPORTATION.

Process: TLD is located at Building B1 - LOADING AND UNLOADING OPERATIONS. LOADING AND UNLOADING PRODUCT, AND VEHICULAR TRANSPORTATION (EXCLUDING QUARRY VEHICULAR TRANSPORTATION).

Process: ULF is located at Building B1 - UNLOADING OF FUEL. UNLOADING OF HAZARDOUS FUEL INTO STORAGE TANKS.

Emission unit STANKS - HAZARDOUS WASTE FUEL STORAGE TANKS

Emission unit STANKS is associated with the following emission points (EP):  
00019

Process: HFT is located at Building B4 - HAZARDOUS WASTE FUEL STORAGE TANKS. ABOVE GROUND HAZARDOUS WASTE FUEL TANKS (6x9,516 GALLON). ON THE RARE OCCASION THAT BOTH KILNS ARE NOT OPERATING, THESE STORAGE TANKS WILL VENT TO AN ACTIVE CARBON ADSORPTION CONTROL DEVICE (CARB2).

Process: HWT is located at Building B4 - HAZARDOUS WASTE FUEL STORAGE TANKS. BELOW GROUND HORIZONTAL HAZARDOUS WASTE FUEL TANKS (3x27,652 GALLON AND 1x22,700 GALLON). ON THE RARE OCCASION THAT BOTH KILNS ARE NOT OPERATING, THESE STORAGE TANKS WILL VENT TO AN ACTIVE CARBON ADSORPTION CONTROL DE VICE (CARB2).

Emission unit STPOPS - STORAGE PILE OPERATIONS.



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Process: FPS is located at Building B2 - FINISHING PLANT STORAGE PILE OPERATIONS. STORAGE PILE OPERATIONS INCLUDE THE LOADING OF MATERIAL ONTO PILES AND UNLOADING OF MATERIAL FROM PILES

Process: PPS is located at Building B1 - PRIMARY PLANT STORAGE PILE OPERATIONS. STORAGE PILE OPERATIONS INCLUDE THE LOADING OF MATERIAL ONTO PILES AND UNLOADING OF MATERIAL FROM PILES

Emission unit CRUSHS - SHALE AND LIGHTWEIGHT CRUSHERS

This emission unit covers the crushers for the raw shale and crushers for the expanded shale from the kiln.

**Buildings:**

- B1 : Primary Plant which processes the raw shale from the quarry
- B2 : Finishing Plant which processes the expanded aggregate from the kiln
- B5 : Quarry

Process: 212 is located at Building B1 - PRIMARY PLANT ROCK CRUSHER APPLICABLE TO 6 NYCRR PART 212. SHALE IS CRUSHED TO THE DESIRED SIZE WITH THIS PROCESS WHICH IS LOCATED AT THE PRIMARY PLANT.

Process: FPC is located at Building B2 - FINISHING PLANT ROCK CRUSHER. LIGHTWEIGHT AGGREGATE IS CRUSHED TO THE DESIRED SIZE WITH THIS PROCESS WHICH IS LOCATED AT THE FINISHING PLANT.

Process: OOO is located at Building B1 - PRIMARY PLANT ROCK CRUSHER APPLICABLE TO 40 CFR 60 SUBPART 000. SHALE IS CRUSHED TO THE DESIRED SIZE WITH THE PROCESS WHICH IS LOCATED AT THE PRIMARY PLANT. THE OEPRTATIONS OF THE CEDAR RAPIDS PORTABLE CRUSHER (PRTJC) WILL BE RESTRICTED TO 6 AM - 9 PM MO NDAY THROUGH

**Title V/Major Source Status**

NORLITE CORP is subject to Title V requirements. This determination is based on the following information:

THIS FACILITY IS A MAJOR SOURCE FOR OXIDES OF NITROPGEN, PARTICULATES, PM-10, VOC, AND HAPS

**Program Applicability**

The following chart summarizes the applicability of NORLITE CORP with regards to the principal air pollution regulatory programs:

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

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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 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.



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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**

3241

CEMENT, HYDRAULIC

**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**

3-05-020-01

MINERAL PRODUCTS  
STONE QUARRYING-PROCESSING (SEE ALSO 3-05-320 FOR DIFFERENT UNITS)  
Primary Crushing

3-05-020-04

MINERAL PRODUCTS  
STONE QUARRYING-PROCESSING (SEE ALSO 3-05-320 FOR DIFFERENT UNITS)  
Recrushing/Screening

3-05-020-06

MINERAL PRODUCTS  
STONE QUARRYING-PROCESSING (SEE ALSO 3-05-320 FOR DIFFERENT UNITS)  
Miscellaneous Operations:  
Screen/Convey/Handling

3-05-020-07

MINERAL PRODUCTS  
STONE QUARRYING-PROCESSING (SEE ALSO 3-05-320 FOR DIFFERENT UNITS)  
Open Storage

3-05-020-09

MINERAL PRODUCTS  
STONE QUARRYING-PROCESSING (SEE ALSO 3-05-320 FOR DIFFERENT UNITS)  
Blasting: General

3-05-900-01

MINERAL PRODUCTS  
MINERAL PRODUCTS - FUEL FIRED EQUIPMENT  
DISTILLATE OIL (NO. 2): PROCESS HEATERS

3-05-999-99

MINERAL PRODUCTS  
MINERAL PRODUCTS - OTHER NOT DEFINED  
Specify in Comments Field

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SOLID WASTE DISPOSAL - INDUSTRIAL  
 SOLID WASTE DISPOSAL: INDUSTRIAL -  
 TREATMENT, STORAGE, DISPOSAL /TSDf  
 Containers: Fugitive Emissions

**Facility Emissions Summary**

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

Cas No.	Contaminant Name	PTE	Range
		lbs/yr	
001746-01-6	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN		> 0 but < 10 tpy
007440-36-0	ANTIMONY		> 0 but < 10 tpy
007440-38-2	ARSENIC		> 0 but < 10 tpy
007440-39-3	BARIUM		> 0 but < 2.5 tpy
000095-47-6	BENZENE, 1,2-DIMETHYL		> 0 but < 10 tpy
007440-41-7	BERYLLIUM		> 0 but < 10 tpy
007440-43-9	CADMIUM		> 0 but < 10 tpy
000630-08-0	CARBON MONOXIDE		>= 250 tpy but < 75,000 tpy
007782-50-5	CHLORINE		> 0 but < 10 tpy
007738-94-5	CHROMIC ACID		> 0 but < 10 tpy
007440-47-3	CHROMIUM		> 0 but < 10 tpy
007440-50-8	COPPER		> 0 but < 2.5 tpy
000075-09-2	DICHLOROMETHANE		> 0 but < 10 tpy
068476-44-8	HYDROCARBONS C>4		>= 10 tpy but < 25 tpy
068527-16-2	HYDROCARBONS C1-3		>= 10 tpy but < 25 tpy
007647-01-0	HYDROGEN CHLORIDE		>= 10 tpy
007439-92-1	LEAD		> 0 but < 10 tpy
007439-97-6	MERCURY		> 0 but < 10 tpy
000067-56-1	METHYL ALCOHOL		>= 10 tpy
000078-93-3	METHYL ETHYL KETONE		> 0 but < 10 tpy
007440-02-0	NICKEL METAL AND INSOLUBLE COMPOUNDS		> 0 but < 10 tpy
0NY210-00-0	OXIDES OF NITROGEN		>= 250 tpy but < 75,000 tpy
0NY075-00-0	PARTICULATES		>= 250 tpy but < 75,000 tpy

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0NY075-00-5	PM-10	>= 250 tpy but < 75,000 tpy
007782-49-2	SELENIUM	> 0 but < 10 tpy
007440-22-4	SILVER	> 0 but < 2.5 tpy
007446-09-5	SULFUR DIOXIDE	>= 250 tpy but < 75,000 tpy
007440-28-0	THALLIUM	> 0 but < 2.5 tpy
000108-88-3	TOLUENE	> 0 but < 10 tpy
0NY100-00-0	TOTAL HAP	>= 50 tpy but < 100 tpy
0NY998-00-0	VOC	>= 50 tpy but < 100 tpy
007440-66-6	ZINC	> 0 but < 2.5 tpy

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

An emergency constitutes an affirmative defense to an action brought for noncompliance with emissions limitations or permit conditions for all facilities in New York State.

(a) The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

- (1) An emergency occurred and that the facility owner and/or operator can identify the cause(s) of the emergency;
- (2) The equipment at the permitted facility causing the emergency was at the time being properly operated;
- (3) During the period of the emergency the facility owner and/or operator took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the permit; and
- (4) The facility owner and/or operator notified the Department within two working days after the event occurred. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

(b) In any enforcement proceeding, the facility owner and/or operator seeking to establish the occurrence of an emergency has the burden of proof.

(c) This provision is in addition to any emergency or upset provision contained in any applicable requirement.

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

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

**Item C: Timely Application for the Renewal of Title V Permits -6 NYCRR Part 201-6.3(a)(4)**

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

**Item D: Certification by a Responsible Official - 6 NYCRR Part 201-6.3(d)(12)**

Any application, form, report or compliance certification required to be submitted pursuant

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to the federally enforceable portions of this permit shall contain a certification of truth, accuracy and completeness by a responsible official. This certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

- Item E: Requirement to Comply With All Conditions - 6 NYCRR Part 201-6.5(a)(2)**  
The permittee must comply with all conditions of the Title V facility permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- Item F: Permit Revocation, Modification, Reopening, Reissuance or Termination, and Associated Information Submission Requirements - 6 NYCRR Part 201-6.5(a)(3)**  
This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.
- Item G: Cessation or Reduction of Permitted Activity Not a Defense - 6 NYCRR 201-6.5(a)(5)**  
It shall not be a defense for a permittee in an enforcement action to claim that a cessation or reduction in the permitted activity would have been necessary in order to maintain compliance with the conditions of this permit.
- Item H: Property Rights - 6 NYCRR 201-6.5(a)(6)**  
This permit does not convey any property rights of any sort or any exclusive privilege.
- Item I: Severability - 6 NYCRR Part 201-6.5(a)(9)**  
If any provisions, parts or conditions of this permit are found to be invalid or are the subject of a challenge, the remainder of this permit shall continue to be valid.
- Item J: Permit Shield - 6 NYCRR Part 201-6.5(g)**  
All permittees granted a Title V facility permit shall be covered under the protection of a permit shield, except as provided under 6 NYCRR Subpart 201-6. Compliance with the 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;



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- ii. The liability of a permittee of the Title V facility for any violation of applicable requirements prior to or at the time of permit issuance;
- iii. The applicable requirements of Title IV of the Act;
- iv. The ability of the Department or the Administrator to obtain information from the permittee concerning the ability to enter, inspect and monitor the facility.

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

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

- i. If additional applicable requirements under the Act become applicable where this permit's remaining term is three or more years, a reopening shall be completed not later than 18 months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the original permit or any of its terms and conditions has been extended by the Department pursuant to the provisions of Part 201-6.7 and Part 621.
- ii. The Department or the Administrator determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
- iii. The Department or the Administrator determines that the Title V permit must be revised or reopened to assure compliance with applicable requirements.
- iv. If the permitted facility is an "affected source" subject to the requirements of Title IV of the Act, and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

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

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

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

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

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

**NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS**

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

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

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

**Regulatory Analysis**

Location Facility/EU/EP/Process/ES	Regulation	Condition	Short Description
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C-RUSHS/-/000	40CFR 60-000.672 (c)	47	Rock, gravel, sand, and clay processing and conveying - standard for particulate matter
FACILITY	40CFR 63-A.10	38, 39	Recordkeeping and Reporting
FACILITY	40CFR 63-A.4	37	Prohibited Activities and Circumvention
M-ISCES/-/DRS	40CFR 63- DD.683 (b) (2) (i)	114	NESHAP for Offsite Waste and Recovery Operations - General Standards
M-ISCES/-/FTS	40CFR 63- DD.683 (b) (2) (i)	120, 121	NESHAP for Offsite Waste and Recovery Operations - General Standards
M-ISCES/-/ULF	40CFR 63- DD.683 (b) (2) (i)	123, 124	NESHAP for Offsite Waste and Recovery Operations - General Standards
M-ISCES/-/DRS	40CFR 63-DD.683 (b) (3)	115	NESHAP for Offsite

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S-TANKS/-/HWT	40CFR 63-DD.683 (b) (3)	128	Waste and Recovery Operations - General Standards NESHAP for Offsite Waste and Recovery Operations - General Standards
M-ISCES/-/FTS	40CFR 63-DD.683 (c)	122	NESHAPS: Off-Site Waste and Recovery 63.683 (c) Process Vents
M-ISCES/-/ULF	40CFR 63-DD.683 (c)	125	NESHAPS: Off-Site Waste and Recovery 63.683 (c) Process Vents
M-ISCES/-/DRS	40CFR 63-DD.683 (d)	116	NESHAPS : Off site Waste and Recovery Operations
S-TANKS/-/HWT	40CFR 63-DD.683 (d)	129	Equipment Leaks NESHAPS : Off site Waste and Recovery Operations
M-ISCES/-/DRS	40CFR 63-DD.688	117, 118	Equipment Leaks NESHAP for Off-Site Waste and Recovery Operations-
FACILITY	40CFR 63-EEE	40	standards:containers Hazardous Waste
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (1)	71	Combustors Hazardous Waste Combustor NESHAP - Dioxin/Furan limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (1)	98	Hazardous Waste Combustor NESHAP - Dioxin/Furan limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (2)	72	Hazardous Waste Combustor NESHAP - Mercury limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (2)	99	Hazardous Waste Combustor NESHAP - Mercury limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (3)	73	Hazardous Waste Combustor NESHAP - Lead/Cadmium limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63-	100	Hazardous Waste

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	EEE.1205 (a) (3)		Combustor NESHAP - Lead/Cadmium limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (4)	74	Hazardous Waste Combustor NESHAP - As/Be/Cr limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (4)	101	Hazardous Waste Combustor NESHAP - As/Be/Cr limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (5)	75	63.1205 (a) (5) (i) Emission limit standards for existing hazardous waste burning lightweight aggregate kilns - Carbon Monoxide
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (5)	102	63.1205 (a) (5) (i) Emission limit standards for existing hazardous waste burning lightweight aggregate kilns - Carbon Monoxide
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (5)	76	63.1205 (a) (5) (ii) Emission limit standards for existing hazardous waste burning lightweight aggregate kilns - Hydrocarbons
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (5)	103	63.1205 (a) (5) (ii) Emission limit standards for existing hazardous waste burning lightweight aggregate kilns - Hydrocarbons
K-ILNSG/00001	40CFR 63- EEE.1205 (a) (6)	77	Hazardous Waste Combustor NESHAP - HCl/Cl2 limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (6)	104	Hazardous Waste Combustor NESHAP - HCl/Cl2 limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63-	78	Hazardous Waste

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	EEE.1205 (a) (7)		Combustor NESHAP - PM limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00002	40CFR 63- EEE.1205 (a) (7)	105	Hazardous Waste Combustor NESHAP - PM limit for existing lightweight aggregate kilns burning hazardous waste
K-ILNSG/00001	40CFR 63- EEE.1205 (c) (1)	79	63.1205(c)(1) Destruction and removal standards for existing hazardous waste burning lightweight aggregate kilns
K-ILNSG/00002	40CFR 63- EEE.1205 (c) (1)	106	63.1205(c)(1) Destruction and removal standards for existing hazardous waste burning lightweight aggregate kilns
K-ILNSG/00001	40CFR 63- EEE.1205 (c) (2)	80	63.1205(c)(2) Standards for existing hazardous waste burning lightweight aggregate kilns - 99.9999% DRE
K-ILNSG/00002	40CFR 63- EEE.1205 (c) (2)	107	63.1205(c)(2) Standards for existing hazardous waste burning lightweight aggregate kilns - 99.9999% DRE
FACILITY	40CFR 63-EEE.1205 (e)	41, 42	Hazardous Waste Burning Lightweight Aggregate Kiln Standards for Equipment Leaks, Tanks, Surface Impoundments and Containers
K-ILNSG	40CFR 63-EEE.1206	48, 49	Compliance With Standards and Operating Requirements
K-ILNSG	40CFR 63-EEE.1206 (b)	50	Compliance with standards
K-ILNSG/00001	40CFR 63-EEE.1207	81, 82, 83, 84	Performance Test Requirements
K-ILNSG/00002	40CFR 63-EEE.1207	108, 109, 110, 111	Performance Test Requirements
K-ILNSG	40CFR 63-EEE.1209	51	Monitoring Requirements
FACILITY	40CFR 63-EEE.1210	43	Notification Requirements
K-ILNSG	40CFR 63-EEE.1210	52, 53	Notification Requirements
K-ILNSG	40CFR 63-EEE.1211	54, 55, 56, 57, 58, 59	Recordkeeping and reporting requirements
K-ILNSG/00001	40CFR 63-EEE.1211	85, 86	Recordkeeping and

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K-ILNSG/00002	40CFR 63-EEE.1211	112, 113	reporting requirements
FACILITY	40CFR 82-F	44	Recordkeeping and reporting requirements
FACILITY	6NYCRR 200.5	1	Protection of Stratospheric Ozone - recycling and emissions reduction
FACILITY	6NYCRR 200.6	2	Sealing.
FACILITY	6NYCRR 200.7	3	Acceptable ambient air quality.
FACILITY	6NYCRR 201-1.10 (b)	8	Maintenance of equipment.
FACILITY	6NYCRR 201-1.2	4	Public Access to Recordkeeping
FACILITY	6NYCRR 201-1.4	130	Permitting - unpermitted emission sources
FACILITY	6NYCRR 201-1.5	5	Unavoidable noncompliance and violations
FACILITY	6NYCRR 201-1.7	6	Emergency defense
FACILITY	6NYCRR 201-1.8	7	Recycling and Salvage
FACILITY	6NYCRR 201-3.2 (a)	9	Prohibition of reintroduction of collected contaminants to the air
FACILITY	6NYCRR 201-3.3 (a)	10	Exempt Activities - Proof of eligibility
FACILITY	6NYCRR 201-5	131, 132	Trivial Activities - proof of eligibility
FACILITY	6NYCRR 201-5.3 (b)	133	State Facility Permit
FACILITY	6NYCRR 201-6	11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 45, 46	General Provisions
FACILITY	6NYCRR 201-6.5 (c) (3) (ii)	24	Permit Content and Terms of Issuance - permit conditions
FACILITY	6NYCRR 201-6.5 (e)	25	Title V Permits and the Associated Permit Conditions
FACILITY	6NYCRR 201-6.5 (f)	26	Permit conditions for Recordkeeping and Reporting of Compliance Monitoring
FACILITY	6NYCRR 201-6.5 (g)	27	Compliance
FACILITY	6NYCRR 202-1.1	28	Certification
FACILITY	6NYCRR 202-2.1	29	Operational flexibility
FACILITY	6NYCRR 202-2.5	30	Permit shield
FACILITY	6NYCRR 211.2	134	Required emissions tests.
FACILITY	6NYCRR 211.3	31	Emission Statements - Applicability
K-ILNSG/00001	6NYCRR 212.10	69	Emission Statements - record keeping requirements.
			General Prohibitions - visible emissions limited.
			General Prohibitions - visible emissions limited
			NOx and VOC RACT required at major



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K-ILNSG/-/KNF	6NYCRR 212.10(c)	61	facilities NOx and VOC RACT required at major facilities
K-ILNSG/00001	6NYCRR 212.10(c)	70	NOx and VOC RACT required at major facilities
K-ILNSG/00002	6NYCRR 212.10(c)	97	NOx and VOC RACT required at major facilities
FACILITY	6NYCRR 212.11(a)	33	facilities Sampling and monitoring
K-ILNSG/00001	6NYCRR 212.3(b)	62, 63, 64, 65, 66	General Process Emission Sources - emissions from existing emission sources
K-ILNSG/00002	6NYCRR 212.3(b)	87, 88, 89, 90, 91, 92	General Process Emission Sources - emissions from existing emission sources
K-ILNSG/00001	6NYCRR 212.4(b)	67, 68, 135	New processes
K-ILNSG/00002	6NYCRR 212.4(b)	93, 94, 95, 96, 136	New processes
K-ILNSG/-/KCC	6NYCRR 212.4(c)	60	General Process Emission Sources - emissions from new processes and/or modifications
M-ISCS/-/FSH	6NYCRR 212.4(c)	119	General Process Emission Sources - emissions from new processes and/or modifications
FACILITY	6NYCRR 212.6(a)	32	General Process Emission Sources - opacity of emissions limited
FACILITY	6NYCRR 215	34	Open Fires
FACILITY	6NYCRR 225-1.2(a)(2)	35	Sulfur in Fuel Limitations Post 12/31/87.
FACILITY	6NYCRR 225-2.7	36	Reports, sampling and analysis of waste fuels A and B.
S-TANKS/-/HFT	6NYCRR 229.3(e)(2)(v)	126	Volatile organic liquid storage tanks
S-TANKS/-/HFT	6NYCRR 229.5(d)	127	Recordkeeping - VOL storage tanks

**Applicability Discussion:**

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

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



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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 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 201-1.5

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 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



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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) (ii)

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

6 NYCRR 201-6.5 (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.



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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.

**Facility Specific Requirements**

In addition to Title V, NORLITE CORP has been determined to be subject to the following regulations:

40 CFR 60.672 (c)

15% OPACITY LIMIT ON CRUSHERS

40 CFR 63.10

Section 63.10 contains default general recordkeeping requirements as well as recordkeeping for applicability determinations and continuous monitoring systems. It also contains default reporting requirements for "one shot" items such as performance test results and immediate startup shutdown, malfunction reports. It also contains periodic (semi-annual) reporting requirements for startup, shutdown, and malfunction; excess emissions; and continuous monitoring performance.

40 CFR 63.1205 (a) (1)

EMISSION LIMITS

40 CFR 63.1205 (a) (2)

EMISSION LIMITS

40 CFR 63.1205 (a) (3)

EMISSION LIMITS

40 CFR 63.1205 (a) (4)

EMISSION LIMITS

40 CFR 63.1205 (a) (5) (i)

EMISSION LIMITS

40 CFR 63.1205 (a) (5) (ii)

EMISSIONS LIMITS

40 CFR 63.1205 (a) (6)



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EMISSION LIMITS

40 CFR 63.1205 (a) (7)  
EMISSIONS LIMITS

40 CFR 63.1205 (c) (1)  
DESTRUCTION AND REMOVAL EFFICIENCY STANDARD

40 CFR 63.1205 (c) (2)  
DESTRUCTION AND REMOVAL EFFICIENCY STANDARD

40 CFR 63.1205 (e)  
AIR EMISSION STANDARDS FOR LEAKS, TANKS, SURFACE IMPOUNDMENTS,  
CONTAINERS

40 CFR 63.1206  
See 40 CFR 63-EEE.1206(a)  
40 CFR 63-EEE.1206(b) and  
40 CFR 63-EEE.1206(c)

40 CFR 63.1206 (b)  
Summary of Compliance with standards (see regulation for detailed descriptions)

- (1) Applicability.
- (2) Methods for determining compliance.
- (3) Finding of compliance.
- (4) Extension of compliance with emission standards.
- (5) Changes in design, operation, or maintenance.
- (6) Compliance with the carbon monoxide and hydrocarbon emission standards.
- (7) Compliance with the DRE standard.
- (8) Applicability of particulate matter and opacity standards during particulate matter CEMS correlation tests.
- (9) Alternative standards for existing or new hazardous waste burning lightweight aggregate kilns using MACT.
- (10) Alternative standards for existing or new hazardous waste burning cement kilns using MACT.
- (11) Calculation of hazardous waste residence time.
- (12) Documenting compliance with the standards based on performance testing.
- (13) Cement kilns and lightweight aggregate kilns that feed hazardous waste at a location other than the end where products are normally discharged and where fuels are normally fired.
- (14) Alternative particulate matter standard for incinerators with de minimis metals.

40 CFR 63.1207  
Summary of the performance testing requirements:

- (a) General.
- (b) Types of performance tests
- (c) Initial comprehensive performance test
- (d) Frequency of testing.
- (e) Notification of performance test and CMS performance evaluation, and approval of test plan and CMS performance evaluation plan.
- (f) Content of performance test plan.
- (g) Operating conditions during testing.
- (h) Operating conditions during subsequent testing.



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- (i) Time extension for subsequent performance tests.
- (j) Notification of Compliance
- (k) Failure to submit a timely notification of compliance.
- (l) Failure of performance test
- (m) Waiver of Performance Test
- (n) Feedrate limits for nondetectable constituents.

40 CFR 63.1209

63.1209 What are the monitoring requirements?

- (a) Continuous emissions monitoring systems (CEMS) and continuous opacity monitoring systems (COMS).
- (b) Other continuous monitoring systems (CMS).
- (c) Analysis of feedstreams.
- (d) Performance evaluations.
- (e) Conduct of monitoring.
- (f) Operation and maintenance of continuous monitoring systems.
- (g) Alternative monitoring requirements other than continuous emissions monitoring systems (CEMS).
- (h) Reduction of monitoring data.
- (i) When an operating parameter is applicable to multiple standards.
- (j) DRE.
- (k) Dioxins and furans.
- (l) Mercury
- (m) Particulate matter.
- (n) Semivolatile metals and low volatility metals.
- (o) Hydrochloric acid and chlorine gas.
- (p) Maximum combustion chamber pressure.
- (q) Operating under different modes of operation.

40 CFR 63.1210

(a) Summary of requirements.

(1) You must submit the following notifications to the Administrator:

Reference	Notification
63.9(b).....	Initial notifications that you are subject to Subpart EEE of this Part.
63.9(d).....	Notification that you are subject to special compliance requirements.
63.1207(e), 63.9(e) 63.9(g)(1) and (3).	Notification of performance test and continuous monitoring system evaluation, including the performance test plan and CMS performance evaluation plan.\1\
63.1210(d), 63.1207(j), 63.9(h), 63.10(d)(2), 63.10(e)(2).	Notification of compliance, including results of performance tests and continuous monitoring system performance evaluations.
63.1206(b)(6).....	Notification of changes in design, operation, or maintenance.
63.9(j).....	Notification and documentation of any change in information already provided

under Sec. 63.9.



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 \1>You may also be required on a case-by-case basis to submit a  
 feedstream analysis plan under Sec. 63.1209(c)(3).

(2) You must submit the following notifications to the Administrator if you request or elect to  
 comply with alternative requirements:

Reference	Notification, request, petition, or application
63.1206(b)(5), 63.1213, 63.6(i), 63.9(c).	You may request an extension of the compliance date for up to one year.
63.9(i).....	You may request an adjustment to time periods or postmark deadlines for submittal and review of required information.
63.1209(g)(1).....	You may request approval of: (1) alternative monitoring methods, except for standards that you must monitor with a continuous emission monitoring system (CEMS) and except for requests to use a CEMS in lieu of operating parameter limits; or (2) a waiver of an operating parameter limit.
63.1209(a)(5), 63.8(f).....	You may request: (1) approval of alternative monitoring methods for compliance with standards that are monitored with a CEMS; and (2) approval to use a CEMS in lieu of operating parameter limits.
63.1204(d)(4).....	Notification that you elect to comply with the emission averaging requirements for cement kilns with in-line raw mills.
63.1204(e)(4).....	Notification that you elect to comply with the emission averaging requirements for preheater or preheater/precalciner kilns with dual stacks.
63.1206(b)(1)(ii)(A).....	Notification that you elect to document compliance with all applicable requirements and standards promulgated under authority of the Clean Air Act, including Sections 112 and 129, in lieu of the requirements of Subpart EEE of this Part when not burning hazardous waste.
63.1206(b)(5)(i)(C)(2).....	You may request to burn hazardous waste for more than 720 hours and for purposes other than testing or pretesting after a making a change in the design or operation that could affect compliance with emission standards and prior to submitting a revised Notification of Compliance.
63.1206(b)(9)(iii)(B).....	If you elect to conduct particulate matter CEMS correlation testing and wish to have federal particulate matter and opacity standards and associated operating limits waived during the testing, you must notify the Administrator by submitting the correlation test plan for review and approval.
63.1206(b)(10).....	Owners and operators of lightweight aggregate kilns may request approval of alternative emission standards for mercury, semivolatile metal, low volatile metal, and hydrochloric acid/chlorine gas under certain conditions.
63.1206(b)(11).....	Owners and operators of cement kilns may request approval of alternative emission standards for mercury, semivolatile metal, low volatile metal, and hydrochloric acid/chlorine gas under certain conditions.
63.1206(b)(14).....	Owners and operators of incinerators may comply with an alternative particulate matter standard of 68 mg/dscm, corrected to 7% oxygen, under a petition documenting de minimis metals levels in feedstreams.
63.1207(c)(2).....	You may request to base initial compliance on data in lieu of a comprehensive performance test.
63.1207(d)(3).....	You may request more than 60 days to complete a performance test if additional time is needed for reasons beyond your control.
63.1207(i).....	You may request up to a one-year time extension for conducting a performance test (other than the initial comprehensive performance test) to consolidate testing



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with other state or federally-required testing.

63.1207(j)(4)..... You may request more than 90 days to submit a Notification of Compliance

after completing a performance test if additional time is needed for reasons beyond your control.

63.1207(l)(3)..... After failure of a performance test, you may request to burn hazardous waste for more than 720 hours and for purposes other than testing or pretesting.

63.1209(l)(1)..... You may request to extrapolate mercury feedrate limits.

63.1209(n)(2)(ii)..... You may request to extrapolate semivolatile and low volatile metal feedrate limits.

63.10(e)(3)(ii)..... You may request to reduce the frequency of excess emissions and CMS performance reports.

63.10(f)..... You may request to waive recordkeeping or reporting requirements.

63.1211(e)..... You may request to use data compression techniques to record data on a less

frequent basis than required by Sec. 63.1209.

(b) Notification of compliance.

(1) The Notification of Compliance status requirements of § 63.9(h) apply, except that:

(i) The notification is a Notification of Compliance, rather than compliance status;

(ii) The notification is required for the initial comprehensive performance test and each subsequent comprehensive and confirmatory performance test; and

(iii) You must postmark the notification before the close of business on the 90th day following completion of relevant compliance demonstration activity specified in this subpart rather than the 60th day as required by § 63.9(h)(2)(ii).

(2) Upon postmark of the Notification of Compliance, the operating parameter limits identified in the Notification of Compliance, as applicable, shall be complied with, the limits identified in the Documentation of Compliance or a previous Notification of Compliance are no longer applicable.

(3) The Notification of Compliance requirements of § 63.1207(j) also apply.

40 CFR 63.1211

This regulation details the types of reports that must be submitted to the Department by the owners or operators of hazardous waste incinerators.

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 63.683 (b) (2) (ii)

This regulation requires the owner or operator of the facility to limit the concentration of volatile organic hazardous air pollutants (VOHAP) to 500 parts per million for each off-site waste stream placed in a unit with a process vent. The VOHAP concentration must be determined the first time the waste is placed in the unit and then annually thereafter.

40 CFR 63.683 (b) (3)

This regulation requires the owner or operator to control leaks of hazardous air pollutants (HAP) from the following types of equipment: equipment that contacts off-site material having a HAP concentration greater than 10% (i.e., 100,000 ppmw); equipment that is operated more than 300 hours per year; and equipment that is a pump, compressor, agitator, pressure relied device, sampling connection system,



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open ended valve or line, valve, connector or instrumentation system.

40 CFR 63.683 (c)  
HAP CONTROL ON PROCESS VENTS

40 CFR 63.683 (d)  
(d) Equipment leaks

40 CFR 63.688  
This regulation sets forth the requirements for control of air emissions from containers used for off-site waste streams. The control requirements are specified in 40 CFR 63 Subpart PP: National Emissions Standards for Containers.

40 CFR Part 63, Subpart EEE  
Who is subject to these regulations?

The provisions of this subpart apply to all hazardous waste combustors: hazardous waste incinerators, hazardous waste burning cement kilns, and hazardous waste burning lightweight aggregate kilns, except as provided in Table 1 of this section. Hazardous waste combustors are also subject to applicable requirements under parts 260-270 of this chapter.

(a) What if I am an area source? (1) Both area sources and major sources are subject to this subpart.

(2) Both area sources and major sources, not previously subject to title V, are immediately subject to the requirement to apply for and obtain a title V permit in all States, and in areas covered by part 71 of this chapter.

(b) These regulations in this subpart do not apply to sources that meet the criteria in Table 1 of this Section, as follows:

Table 1 to Sec. 63.1200.--Hazardous Waste Combustors Exempt From Subpart EEE

If	And if	Then
(1) You are a previously affected source.	(i) You ceased feeding hazardous waste for a period of time greater than the hazardous waste residence time (i.e., hazardous waste no longer resides in the combustion chamber); (ii) You have initiated the closure requirements of subpart G, parts 264 or 265 of this chapter;. (iii) You begin	You are no longer subject to this subpart (Subpart EEE).



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complying with the requirements of all other applicable standards of this part (Part 63); and.

(iv) You notify the Administrator in writing that you are no longer an affected source under this subpart (Subpart EEE).

(2) You are a research, development, and demonstration source. You operate for no longer than one year after first burning hazardous waste (Note that the Administrator can extend this one-year restriction on a case-by-case basis upon your written request documenting when you first burned hazardous waste and the justification for needing additional time to perform research, development, or demonstration operations.). You are not subject to this subpart (Subpart EEE).

This exemption applies even if there is a hazardous waste combustor at the plant site that is regulated under this subpart. You still, however, remain subject to Sec. 270.65 of this chapter.

(3) The only hazardous wastes you burn are exempt from regulation under Sec. 266.100(c) of this chapter. You are not subject to the requirements of this subpart (Subpart EEE).

(c) Table 1 of this section specifies the provisions of subpart A (General Provisions, §§ 63.1-63.15) that apply and those that do not apply to sources affected by this subpart.

[64 FR 53038, Sept. 30, 1999, as amended at 65 FR 42297, July 10, 2000]

6 NYCRR 201-6.5 (c) (3) (ii)

This regulation specifies any reporting requirements incorporated into the permit must include provisions regarding the notification and reporting of permit deviations and incidences of



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noncompliance stating the probable cause of such deviations, and any corrective actions or preventive measures taken.

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 212.10

**RACT REQUIREMENTS**

6 NYCRR 212.10 (c)

**RACT COMPLIANCE PLAN REQUIREMENTS**

6 NYCRR 212.11 (a)

**PART 202 REQUIREMENT**

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 (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 225-1.2 (a) (2)

This regulation prohibits any person from selling, offering for sale, purchasing or using any fuel which contains sulfur in a quantity exceeding the limitations set forth in Table 1, Table 2, or Table 3 of this section.

6 NYCRR 225-2.7

**rEPORTS, SAMPLING AND ANALYSIS OF WASTE FUELS**

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 applicable facilities to maintain fuel storage records for a period of 5 years.

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**Compliance Certification**  
**Summary of monitoring activities at NORLITE CORP:**

Location Facility/EU/EP/Process/ES	Cond No.	Type of Monitoring
---		
C-RUSHS/-/000	47	monitoring of process or control device parameters as surrogate
M-ISCES/-/DRS	114	work practice involving specific operations
M-ISCES/-/FTS	120	intermittent emission testing
M-ISCES/-/FTS	121	work practice involving specific operations
M-ISCES/-/ULF	123	intermittent emission testing
M-ISCES/-/ULF	124	work practice involving specific operations
M-ISCES/-/FTS	122	intermittent emission testing
M-ISCES/-/ULF	125	intermittent emission testing
M-ISCES/-/DRS	116	record keeping/maintenance procedures
S-TANKS/-/HWT FACILITY	129	record keeping/maintenance procedures
K-ILNSG/00001	40	record keeping/maintenance procedures
K-ILNSG/00001	71	intermittent emission testing
K-ILNSG/00002	98	intermittent emission testing
K-ILNSG/00001	72	intermittent emission testing
K-ILNSG/00002	99	intermittent emission testing
K-ILNSG/00001	73	intermittent emission testing
K-ILNSG/00002	100	intermittent emission testing
K-ILNSG/00001	74	intermittent emission testing
K-ILNSG/00002	101	intermittent emission testing
K-ILNSG/00001	75	continuous emission monitoring (cem)
K-ILNSG/00002	102	continuous emission monitoring (cem)
K-ILNSG/00001	76	continuous emission monitoring (cem)
K-ILNSG/00002	103	continuous emission monitoring (cem)
K-ILNSG/00001	77	intermittent emission testing
K-ILNSG/00002	104	intermittent emission testing
K-ILNSG/00001	78	intermittent emission testing
K-ILNSG/00002	105	intermittent emission testing
K-ILNSG/00001	79	intermittent emission testing
K-ILNSG/00002	106	intermittent emission testing
K-ILNSG/00001	80	record keeping/maintenance procedures
K-ILNSG/00002	107	record keeping/maintenance procedures
FACILITY	41	record keeping/maintenance procedures
FACILITY	42	record keeping/maintenance procedures
K-ILNSG	50	record keeping/maintenance procedures
K-ILNSG/00001	83	record keeping/maintenance procedures
K-ILNSG/00001	84	record keeping/maintenance procedures
K-ILNSG/00002	110	record keeping/maintenance procedures
K-ILNSG/00002	111	record keeping/maintenance procedures
FACILITY	43	record keeping/maintenance procedures
K-ILNSG	52	record keeping/maintenance procedures
K-ILNSG	53	record keeping/maintenance procedures
K-ILNSG	54	record keeping/maintenance procedures
K-ILNSG	55	record keeping/maintenance procedures
K-ILNSG	56	record keeping/maintenance procedures
K-ILNSG	57	record keeping/maintenance procedures
K-ILNSG	58	record keeping/maintenance procedures
K-ILNSG	59	record keeping/maintenance procedures
K-ILNSG/00001	85	record keeping/maintenance procedures
K-ILNSG/00001	86	record keeping/maintenance procedures
K-ILNSG/00002	112	record keeping/maintenance procedures
K-ILNSG/00002	113	record keeping/maintenance procedures
FACILITY	24	record keeping/maintenance procedures
FACILITY	25	record keeping/maintenance procedures
FACILITY	26	record keeping/maintenance procedures
FACILITY	29	record keeping/maintenance procedures

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K-ILNSG/00001	69	intermittent emission testing
K-ILNSG/-/KNF	61	intermittent emission testing
K-ILNSG/00001	70	intermittent emission testing
K-ILNSG/00002	97	intermittent emission testing
K-ILNSG/00001	62	intermittent emission testing
K-ILNSG/00001	63	continuous emission monitoring (cem)
K-ILNSG/00001	64	monitoring of process or control device parameters as surrogate
K-ILNSG/00001	65	record keeping/maintenance procedures
K-ILNSG/00001	66	record keeping/maintenance procedures
K-ILNSG/00002	87	monitoring of process or control device parameters as surrogate
K-ILNSG/00002	88	record keeping/maintenance procedures
K-ILNSG/00002	89	intermittent emission testing
K-ILNSG/00002	90	record keeping/maintenance procedures
K-ILNSG/00002	91	continuous emission monitoring (cem)
K-ILNSG/00002	92	record keeping/maintenance procedures
K-ILNSG/00001	67	record keeping/maintenance procedures
K-ILNSG/00001	68	monitoring of process or control device parameters as surrogate
K-ILNSG/00001	135	record keeping/maintenance procedures
K-ILNSG/00002	93	record keeping/maintenance procedures
K-ILNSG/00002	94	record keeping/maintenance procedures
K-ILNSG/00002	95	record keeping/maintenance procedures
K-ILNSG/00002	96	record keeping/maintenance procedures
K-ILNSG/00002	136	record keeping/maintenance procedures
K-ILNSG/-/KCC	60	intermittent emission testing
M-ISCES/-/FSH FACILITY	119	intermittent emission testing
FACILITY	32	monitoring of process or control device parameters as surrogate
FACILITY	35	work practice involving specific operations
FACILITY	36	record keeping/maintenance procedures
S-TANKS/-/HFT	126	record keeping/maintenance procedures
S-TANKS/-/HFT	127	record keeping/maintenance procedures

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**Basis for Monitoring**  
 Facility

Applicable Federal Requirement: 6NYCRR 212.6(a)

No person shall cause or allow emissions having an average opacity during any six minutes of 20 percent or greater from any process emission source, except only the emission of combined water.

Emission Unit K-ILNSG

Applicable Federal Requirement: 6NYCRR 212.4(c)

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Emission Point 00001

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Applicable Federal Requirement: 6NYCRR 212.10(c)

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Applicable Federal Requirement: 6NYCRR 212.3(b)

This emission point shall control emissions that contain Hydrogen Chloride in accordance with Table 212.9(b) (75%). This limit shall be met by limiting and monitoring the total feed of chlorine to the kiln(including the contribution from shale) and the DRE in the most recent stack test to confirm compliance, once during the permit and at the discretion of the Department.

Applicable Federal Requirement: 6NYCRR 212.3(b)

This emission point shall not discharge particulate matter in excess of 0.08 grains per dry standard cubic foot, corrected to 7% oxygen in the stack gas in accordance with the formula specified in 6NYCRR Part 374-1.8(f)

Applicable Federal Requirement: 6NYCRR 212.3(b)

SO<sub>2</sub> stack emissions from kiln # 1 shall not exceed 30 pounds per hour. The facility shall install a Continuous Emissions Monitor for Sulfur Dioxide emissions within 180 days of the issue date of this permit.

Applicable Federal Requirement: 6NYCRR 212.3(b)

The total chlorine fed to the kiln (including the contribution from the shale) shall not exceed 73 pounds per hour.

Applicable Federal Requirement: 6NYCRR 212.3(b)

This emission point shall control emissions that contain Chlorine in accordance with Table 212.9(b) (75%). This limit shall be met by limiting and monitoring the total feed of chlorine to the kiln(including the contribution from shale) and the DRE in the most recent stack test to confirm compliance, once during the permit and at the discretion of the Department.



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Applicable Federal Requirement: 6NYCRR 212.4(b)

The fugitive emissions from the combustion zone and the back end of this kiln shall be controlled by continuously maintaining a negative kiln pressure less than - 0.05 inches and maintaining a baghouse pressure drop below 10.0 inches.

Applicable Federal Requirement: 6NYCRR 212.4(b)

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Applicable Federal Requirement: 6NYCRR 212.10

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Applicable Federal Requirement: 6NYCRR 212.10(c)

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Applicable Federal Requirement: 40CFR 63.1205(a)(1), Subpart EEE

**EMISSIONS LIMITS FOR DIOXINS AND FURANS: KILN 1**  
Emission point 00001 shall not discharge or cause combustion gases to be emitted into the atmosphere that contain dioxin and furan D/F emissions in excess of 0.20 ng TEQ/dscm corrected to 7 percent oxygen. The combustion gas temperature at the exit of the last combustion chamber (or exit of any waste heat recovery system) shall be rapidly quenched to 400 degrees Fahrenheit or lower. Compliance is based on the average of the test run average temperatures. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(2), Subpart EEE

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Mercury in excess of 47 micrograms per dry standard cubic meter corrected to 7 percent oxygen.

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Applicable Federal Requirement: 40CFR 63.1205(a)(3), Subpart EEE

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Lead and Cadmium in excess of 250 micrograms per dry standard cubic meter, combined emissions, corrected to 7 percent oxygen.

Applicable Federal Requirement: 40CFR 63.1205(a)(4), Subpart EEE

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain arsenic, beryllium, and chromium in excess of 110 micrograms per dry standard cubic meter, combined emissions, corrected to 7 percent oxygen. Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(5)(i), Subpart EEE

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Carbon Monoxide in excess of 100 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen

Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(5)(ii), Subpart EEE

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrocarbons in excess of 20 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane, at any time during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by 40 CFR Part 63.1206(b)(7).. The CO emission level shall be less than 100ppm during testing.

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Applicable Federal Requirement: 40CFR 63.1205(a)(6), Subpart EEE  
This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 230 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Applicable Federal Requirement: 40CFR 63.1205(a)(7), Subpart EEE  
This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contains particulate matter in excess of 57 mg per dry standard cubic meter, corrected to 7 percent oxygen.  
Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(c)(1), NESHAP Subpart EEE  
The stack emission testing must be performed to determine compliance with the Destruction and Removal Efficiency (DRE) standard. The DRE for each Principal Organic Hazardous Constituent (POHC) should not be less than 99.99%. The DRE must be calculated as defined in 40CFR 63.1203(c) and 40 CFR63.1205(c).

Emission Unit: K-ILNSG Emission Point: 00002

This emission point shall not discharge particulate matter in excess of 0.08 grains per dry standard cubic foot, corrected to 7% oxygen in the stack gas in accordance with the formula specified in 6NYCRR Part 374-1.8(f)

SO<sub>2</sub> stack emissions from kiln # 2 shall not exceed 30 pounds per hour. The facility shall install a Continuous Emissions Monitor for Sulfur Dioxide emissions within 180 days of the issue date of this permit.

Once the continuous emissions monitor is installed and certified, the kiln fuel must be switched from its' current fuel supply to an alternate fuel supply which has low sulfur content. If no such fuel is available, the kiln must switch to natural gas until the sulfur dioxide emission drops below 30 pounds per hour and a suitable fuel with a lower sulfur dioxide content can be readied.

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Applicable Federal Requirement: 6NYCRR 212.3(b)

The total chlorine fed to the kiln (including the contribution from the shale) shall not exceed 73 pounds per hour.

Applicable Federal Requirement: 6NYCRR 212.4(b)

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Applicable Federal Requirement: 6NYCRR 212.4(b)

This facility shall control the emissions of toxic metals from this emission point by limiting the total feed rate of each metal into the kiln.

Applicable Federal Requirement: 6NYCRR 212.4(b)

This emission point shall not discharge emissions that contain Chlorine in excess of 0.044 pounds per hour (uncorrected for ammonium chloride) This limit shall be met by limiting the total feed of chlorine to the kiln.

Applicable Federal Requirement: 6NYCRR 212.4(b)

No waste or combination of waste and fuel, as fed to the kilns, shall exceed the design thermal capacity of 62 MBTU/ hr.

Applicable Federal Requirement: 6NYCRR 212.10(c)

This emission point shall not discharge emissions that contain oxides of Nitrogen in excess of 61 pounds per hour.

Applicable Federal Requirement: 40CFR 63.1205(a)(1), Subpart EEE

EMISSIONS LIMITS FOR DIOXINS AND FURANS: KILN 2  
Emission point 00002 shall not discharge or cause combustion gases to be emitted into the atmosphere that contain dioxin and furan D/F emissions in excess of 0.20 ng TEQ/dscm corrected to 7 percent oxygen.

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The combustion gas temperature at the exit of the last combustion chamber (or exit of any waste heat recovery system) shall be rapidly quenched to 400 degrees Fahrenheit or lower. Compliance is based on the average of the test run average temperatures. Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(2), Subpart EEE

**EMISSION LIMITS FOR MERCURY: KILN 2**

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Mercury in excess of 47 micrograms per dry standard cubic meter corrected to 7 percent oxygen.

Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(3), Subpart EEE

**EMISSION LIMITS FOR LEAD AND CADMIUM: Kiln 2**

CAS No: 007439-92-1 LEAD  
CAS No: 007440-43-9 CADMIUM

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Lead and Cadmium in excess of 250 micrograms per dry standard cubic meter, combined emissions, corrected to 7 percent oxygen.

Compliance testing shall meet the requirements and schedules of 40 CFR Part 63.1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(4), Subpart EEE

**EMISSION LIMITS FOR ARSENIC,  
BERYLLIUM, AND CHROMIUM: KILN 2**

ARSENIC CAS No. 007440-38-2  
BERYLLIUM CAS No.07440-41-7  
CHROMIUM CAS No. 07440-47-3

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This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain arsenic, beryllium, and chromium in excess of 110 micrograms per dry standard cubic meter, combined emissions, corrected to 7 percent oxygen. . Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(5)(i), Subpart EEE

**EMISSION LIMIT FOR CARBON MONOXIDE: KILN 1**

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Carbon Monoxide in excess of 100 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen

Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Applicable Federal Requirement: 40CFR 63.1205(a)(5)(ii), Subpart EEE

**EMISSION LIMIT FOR HYDROCARBONS: KILN 2**

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrocarbons in excess of 20 ppm by volume, over an hourly rolling average (monitored continuously with a continuous emissions monitoring system), dry basis, corrected to 7 percent oxygen, and reported as propane, at any time during the destruction and removal efficiency (DRE) test runs or their equivalent as provided by 40 CFR Part 63.1206(b)(7). The CO emission level shall be less than 100ppm during testing.

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Applicable Federal Requirement: 40CFR 63.1205(a)(6), Subpart EEE

EMISSION LIMIT FOR HCL and CL2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contain Hydrochloric Acid and Chlorine Gas in excess of 230 ppm by volume, combined emissions, expressed as hydrochloric acid equivalents, dry basis, corrected to 7 percent oxygen.

Applicable Federal Requirement: 40CFR 63.1205(a)(7), Subpart EEE

EMISSION LIMITS FOR PARTICULATES: KILN 2

This emission point shall not discharge or cause combustion gases to be emitted into the atmosphere that contains particulate matter in excess of 57 mg per dry standard cubic meter, corrected to 7 percent oxygen. Compliance Testing shall meet the requirements and scheduling of 40CFR Part 1205, 1207, 1208 and 1209.

Emission Unit: M-ISCES  
Process: FSH

Applicable Federal Requirement: 6NYCRR 212.4(c)

Emissions of solid particulates are limited to less than 0.050 grains of particulates per cubic foot of exhaust gas, expressed at standard conditions on a dry gas basis. Compliance testing will be conducted at the discretion of the Department.

Emission Unit: M-ISCES  
Process: FTS

Applicable Federal Requirement: 40CFR 63.683(b)(2)(ii), Subpart DD

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the



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point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the date of the initial determination for the off-site material stream.

Emission Unit: M-ISCES  
Process: ULF

Applicable Federal Requirement: 40CFR 63.683(b)(2)(ii), Subpart DD

For each process vent that is part of an affected source, the owner or operator shall control the HAP emitted from the process vent as follows:

Determine that the average volatile organic hazardous air pollutant (VOHAP) concentration of each off-site material managed in the unit on which the process vent is used remains at less than 500 ppmw based on the HAP content of the off-site material stream at the point-of-delivery. The owner or operator shall perform an initial determination of the average VOHAP concentration of each off-site material stream using the procedures specified in 40 CFR 63.694(b) before the first time any portion of the off-site material is placed in the unit. Thereafter, the owner or operator shall review and update, as necessary, this determination every 12 months following the