PERMIT
Under the Environmental Conservation Law (ECL)

IDENTIFICATION INFORMATION

Permit Type: Air State Facility
Permit ID: 5-5330-00038/00021
Mod 0 Effective Date: 07/24/2013 Expiration Date: 07/23/2023

Mod 1 Effective Date: 11/03/2014 Expiration Date: 07/23/2023

Permit Issued To:ENVIRONMENTAL SOIL MANAGEMENT OF NY LLC
304 TOWPATH RD
FORT EDWARD, NY 12828-1754

Contact: PETER HANSEN
ESMI OF NEW YORK
304 TOWPATH ROAD
FORT EDWARD, NY 12828
(518) 747-5500

Facility: ENVIRONMENTAL SOIL MANAGEMENT OF N Y
304 TOWPATH RD
FORT EDWARD, NY 12828

Description:
ENVIRONMENTAL SOIL MANAGEMENT OF NEW YORK, L.L.C. (ESMI of New York) owns and operates a Thermal Treatment Facility for the recycling of petroleum and non-petroleum hydrocarbon contaminated soils and media. Contaminants are removed and treated by thermal desorption, a technology that destroys hydrocarbons. This process entails heating contaminated material in a rotary kiln at temperatures between 350 and 1,000 deg F. The contaminants are volatilized and driven from the material. They are subsequently destroyed in an oxidizer. After exiting the oxidizer, the air stream is cooled and then passed through a baghouse to remove fine particles. Through post-treatment analysis, the facility is able to provide clients with documentation that their material has been cleaned to specific cleanup levels. Recycled material can be returned to the client or reused in accordance with beneficial reuse determinations.

The facility emissions are limited to99,900 tons per year (TPY) CO2 equivalents, 99 TPY Sulfur Dioxide and 9.98 TPY Hydrogen Chloride in order to avoid being subject to Title V permitting requirements. All other contaminants emitted at this facility have potentials to emit less than the Title V threshold values. All fuel oil burned at the facility is limited in accordance with the limits set forth in the permit.

Emission Unit ID #U-00002 - Material Storage & Handling

Once materials are received, they are stored in an environmentally secure 30,000 sq. ft. building. The building construction includes a sealed and reinforced concrete floor with a

40-mil HDPE liner as secondary containment. Other environmental controls include building ventilation system and groundwater impact monitoring system. Vented air is filtered with emission control equipment. Exhaust is filtered to remove particulates and then polished with activated carbon to remove volatiles organic compounds (VOCs). Emissions are subject to 6 NYCRR Part 212 requirements for opacity, grain loading and degree of control for VOCs.

Because each load of soil has different characteristics, material preparation plays a vital role in system performance. Raw materials commonly encountered may contain high percentages of moisture, clay, debris, and contaminants. Large rocks, wood debris, metal and miscellaneous solid wastes are removed. In order to achieve uniform feed and efficient operation, differing materials (jobs) of the same waste classification are typically blended together prior to treatment. Materials that meet the following definitions can be treated and recycled at the facility providing they are not a State or Federal hazardous wastes.

"Media" - For the purposes of this permit, the term media is defined as: inert, predominately non-combustible, non-volatile solids such as: soil, stone, mine tailings, concrete, brick, lime, dredge, or which are otherwise prohibited under the Permittee's Air State Facility Permit.

"Contaminants" include uncontaminated paper mill sludge, petroleum hydrocarbons such as fuels and lubricating oils and non-petroleum hydrocarbons such as PCB, coal tar and MGP waste.

Material Preparation

Materials are received, stored in segregated concrete bins and treated according to waste type. Differing materials within specific waste categories may be blended together to achieve a consistent homogeneous mixture. Some materials with excessive moisture may be blended with lime to reduce moisture content. Blended materials are then sent through a preprocessing phase to remove boulders greater than 9", metal objects and combustible materials such as plastic and wood. Remaining material is sent through a jaw crusher to reduce the size of materials to 3" or less. The result is a uniform, consistent feedstock ready for the thermal treatment process.

Emission Unit ID #U-00001 - Overall Treatment System Description includes a stationary and a mobile soil remediation unit.

As a whole, the thermal treatment system consists of several components; the preprocessing equipment, the soil feed unit, the primary treatment unit, the processed soil handling unit, the multiple cyclone dust separators (not required and occasionally bypassed), the secondary (vapor) treatment units, the evaporative cooling chambers, the baghouse/dust filtration units, and the control house. ESMI of New York's high capacity thermal desorption plant is permitted to treat up to 810 pounds of contaminant per hour per rotary kiln. The high temperature dryer can maintain soil treatment temperatures of 350 to 1000F, with up to 15 minutes of retention time. The unit also features a two stage particulate removal system and a thermal oxidizer.

The soil treatment system consists of the rotary kiln (Primary Treatment Unit, PTU) and the

processed material discharge system. These components are followed by the exhaust gas treatment system which consists of a multiple cyclone separators, afterburner/oxidizer (Secondary Treatment Unit, STU), evaporative cooling chambers and baghouses.

Emissions are subject to: 6 NYCRR Part 212 requirements for opacity, grain loading and degree of control for VOCs.

Fuels burned are subject to: 6NYCRR Part 225 requirements for combustion efficiency and waste fuel specifications of 225-2.4(b) Table 2-1.

Treated soils, fed to the PTU must meet 1.5% sulfur limitations and 36.0 lb/hr (chlorine) limitations in order to comply with 6 NYCRR Parts 225-1 and 212.9 respectively.

Process 001 - This is a stationary soil remediation unit

Process 003 - This is a mobile remediation unit of similar design and capacity as Process 001

By acceptance of this permit, the permittee agrees that the permit is contingent upon strict compliance with the ECL, all applicable regulations, the General Conditions specified and any Special Conditions included as part of this permit.

Permit Administrator: KEVIN R BLISS
NYSDEC - WARRENSBURG SUBOFFICE
232 GOLF COURSE RD
WARRENSBURG, NY 12885-1172

Authorized Signature: _____ Date: ___ / ___ / _____

Notification of Other State Permittee Obligations

Item A: Permittee Accepts Legal Responsibility and Agrees to Indemnification

The permittee expressly agrees to indemnify and hold harmless the Department of Environmental Conservation of the State of New York, its representatives, employees and agents ("DEC") for all claims, suits, actions, and damages, to the extent attributable to the permittee's acts or omissions in connection with the compliance permittee's undertaking of activities in connection with, or operation and maintenance of, the facility or facilities authorized by the permit whether in compliance or not in any compliance with the terms and conditions of the permit. This indemnification does not extend to any claims, suits, actions, or damages to the extent attributable to DEC's own negligent or intentional acts or omissions, or to any claims, suits, or actions naming the DEC and arising under article 78 of the New York Civil Practice Laws and Rules or any citizen suit or civil rights provision under federal or state laws.

Item B: Permittee's Contractors to Comply with Permit

The permittee is responsible for informing its independent contractors, employees, agents and assigns of their responsibility to comply with this permit, including all special conditions while acting as the permittee's agent with respect to the permitted activities, and such persons shall be subject to the same sanctions for violations of the Environmental Conservation Law as those prescribed for the permittee.

Item C: Permittee Responsible for Obtaining Other Required Permits

The permittee is responsible for obtaining any other permits, approvals, lands, easements and rights-of-way that may be required to carry out the activities that are authorized by this permit.

Item D: No Right to Trespass or Interfere with Riparian Rights

This permit does not convey to the permittee any right to trespass upon the lands or interfere with the riparian rights of others in order to perform the permitted work nor does it authorize the impairment of any rights, title, or interest in real or personal property held or vested in a person not a party to the permit.

LIST OF CONDITIONS

DEC GENERAL CONDITIONS

General Provisions

Facility Inspection by the Department

Relationship of this Permit to Other Department Orders and Determinations

Applications for permit renewals, modifications and transfers

Permit modifications, suspensions or revocations by the Department

Facility Level

Submission of application for permit modification or renewal-REGION 5 HEADQUARTERS

DEC GENERAL CONDITIONS
****** General Provisions ******
GENERAL CONDITIONS - Apply to ALL Authorized Permits.

Condition 1: Facility Inspection by the Department
Applicable State Requirement: ECL 19-0305

Item 1.1:
The permitted site or facility, including relevant records, is subject to inspection at reasonable hours and intervals by an authorized representative of the Department of Environmental Conservation (the Department) to determine whether the permittee is complying with this permit and the ECL. Such representative may order the work suspended pursuant to ECL 71-0301 and SAPA 401(3).

Item 1.2:
The permittee shall provide a person to accompany the Department's representative during an inspection to the permit area when requested by the Department.

Item 1.3:
A copy of this permit, including all referenced maps, drawings and special conditions, must be available for inspection by the Department at all times at the project site or facility. Failure to produce a copy of the permit upon request by a Department representative is a violation of this permit.

Condition 2: Relationship of this Permit to Other Department Orders and Determinations
Applicable State Requirement: ECL 3-0301 (2) (m)

Item 2.1:
Unless expressly provided for by the Department, issuance of this permit does not modify, supersede or rescind any order or determination previously issued by the Department or any of the terms, conditions or requirements contained in such order or determination.

Condition 3: Applications for permit renewals, modifications and transfers
Applicable State Requirement: 6 NYCRR 621.11

Item 3.1:
The permittee must submit a separate written application to the Department for renewal, modification or transfer of this permit. Such application must include any forms or supplemental information the Department requires. Any renewal, modification or transfer granted by the Department must be in writing.

Item 3.2:
The permittee must submit a renewal application at least 180 days before expiration of permits for Title V Facility Permits, or at least 30 days before expiration of permits for State Facility Permits.

Item 3.3:
Permits are transferrable with the approval of the department unless specifically prohibited by the statute, regulation or another permit condition. Applications for permit transfer should be submitted prior to actual transfer of ownership.

Condition 4: Permit modifications, suspensions or revocations by the Department
Applicable State Requirement: 6 NYCRR 621.13

Item 4.1:
The Department reserves the right to exercise all available authority to modify, suspend, or revoke this permit in accordance with 6NYCRR Part 621. The grounds for modification, suspension or revocation include:

a) materially false or inaccurate statements in the permit application or supporting papers;
b) failure by the permittee to comply with any terms or conditions of the permit;
c) exceeding the scope of the project as described in the permit application;
d) newly discovered material information or a material change in environmental conditions, relevant technology or applicable law or regulations since the issuance of the existing permit;
e) noncompliance with previously issued permit conditions, orders of the commissioner, any provisions of the Environmental Conservation Law or regulations of the Department related to the permitted activity.

****** Facility Level ******

Condition 5: Submission of application for permit modification or renewal-REGION 5 HEADQUARTERS
Applicable State Requirement: 6 NYCRR 621.6 (a)

Item 5.1:
Submission of applications for permit modification or renewal are to be submitted to:
NYSDEC Regional Permit Administrator
Region 5 Headquarters
Division of Environmental Permits
Route 86, PO Box 296
Ray Brook, NY 12977-0296
(518) 897-1234

Permit Under the Environmental Conservation Law (ECL)

ARTICLE 19: AIR POLLUTION CONTROL - AIR STATE FACILITY PERMIT

IDENTIFICATION INFORMATION

Permit Issued To:ENVIRONMENTAL SOIL MANAGEMENT OF NY LLC
304 TOWPATH RD
FORT EDWARD, NY 12828-1754

Facility: ENVIRONMENTAL SOIL MANAGEMENT OF N Y
304 TOWPATH RD
FORT EDWARD, NY 12828

Authorized Activity By Standard Industrial Classification Code:
4953 - REFUSE SYSTEMS

Mod 0 Permit Effective Date: 07/24/2013 Permit Expiration Date: 07/23/2023

Mod 1 Permit Effective Date: 11/03/2014 Permit Expiration Date: 07/23/2023

LIST OF CONDITIONS

FEDERALLY ENFORCEABLE CONDITIONS
Facility Level

1 6 NYCRR 202-1.1: Required Emissions Tests
2 6 NYCRR Subpart 201-7: Facility Permissible Emissions
*1-1 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*1-2 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*3 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*5 6 NYCRR Subpart 201-7: Capping Monitoring Condition
*7 6 NYCRR Subpart 201-7: Capping Monitoring Condition
9 6 NYCRR 211.1: Air pollution prohibited
10 6 NYCRR 212.4 (c): Compliance Demonstration
1-3 6 NYCRR 212.6 (a): Compliance Demonstration
1-4 6 NYCRR 212.9: Compliance Demonstration
1-5 6 NYCRR 212.9: Compliance Demonstration
1-6 6 NYCRR 212.9: Compliance Demonstration
1-7 6 NYCRR 212.9: Compliance Demonstration
1-8 6 NYCRR 212.9: Compliance Demonstration
1-9 6 NYCRR 212.9: Compliance Demonstration
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11 6 NYCRR 212.9: Compliance Demonstration
1-12 6 NYCRR 212.9: Compliance Demonstration
1-13 6 NYCRR 212.9 (b): Compliance Demonstration
12 6 NYCRR 212.9 (d): Compliance Demonstration
1-14 6 NYCRR 225-1.2 (f): Compliance Demonstration
1-15 6 NYCRR 225-1.2 (h): Compliance Demonstration
1-16 6 NYCRR 225-1.2 (i): Compliance Demonstration
13 6 NYCRR 225-2.3 (b) (1) (ii): Compliance Demonstration
1-17 6 NYCRR 225-2.4 (b): Compliance Demonstration
1-18 6 NYCRR 225-2.4 (b): Compliance Demonstration
1-19 6 NYCRR 225-2.4 (b): Compliance Demonstration
1-20 6 NYCRR 225-2.4 (b): Compliance Demonstration

STATE ONLY ENFORCEABLE CONDITIONS
Facility Level

14 ECL 19-0301: Contaminant List
15 6 NYCRR 201-1.4: Malfunctions and start-up/shutdown activities
16 6 NYCRR Subpart 201-5: Emission Unit Definition
17 6 NYCRR 201-5.2 (c): Renewal deadlines for state facility permits
18 6 NYCRR 201-5.3 (c): Compliance Demonstration
19 6 NYCRR 211.2: Visible Emissions Limited

Emission Unit Level

20 6 NYCRR Subpart 201-5: Emission Point Definition By Emission Unit
21 6 NYCRR Subpart 201-5: Process Definition By Emission Unit

NOTE: * preceding the condition number indicates capping.

FEDERALLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Sealing - 6 NYCRR 200.5**

The Commissioner may seal an air contamination source to prevent its operation if compliance with 6 NYCRR Chapter III is not met within the time provided by an order of the Commissioner issued in the case of the violation. Sealing means labeling or tagging a source to notify any person that operation of the source is prohibited, and also includes physical means of preventing the operation of an air contamination source without resulting in destruction of any equipment associated with such source, and includes, but is not limited to, bolting, chaining or wiring shut control panels, apertures or conduits associated with such source.

No person shall operate any air contamination source sealed by the Commissioner in accordance with this section unless a modification has been made which enables such source to comply with all requirements applicable to such modification.

Unless authorized by the Commissioner, no person shall remove or alter any seal affixed to any contamination source in accordance with this section.

Item B: **Acceptable Ambient Air Quality - 6 NYCRR 200.6**

Notwithstanding the provisions of 6 NYCRR Chapter III, Subchapter A, no person shall allow or permit any air contamination source to emit air contaminants in quantities which alone or in combination with emissions from other air contamination sources would contravene any applicable ambient air quality standard and/or cause air pollution. In such cases where contravention occurs or may occur, the Commissioner shall specify the degree and/or method of emission control required.

Item C: **Maintenance of Equipment - 6 NYCRR 200.7**

Any person who owns or operates an air contamination source which is equipped with an emission control device shall operate such device and keep it in a satisfactory state of maintenance and repair in accordance with ordinary and necessary practices, standards and procedures, inclusive of manufacturer's specifications,

required to operate such device effectively.

Item D: **Unpermitted Emission Sources - 6 NYCRR 201-1.2**

If an existing emission source was subject to the permitting requirements of 6 NYCRR Part 201 at the time of construction or modification, and the owner and/or operator failed to apply for a permit for such emission source then the following provisions apply:

(a) The owner and/or operator must apply for a permit for such emission source or register the facility in accordance with the provisions of Part 201.

(b) The emission source or facility is subject to all regulations that were applicable to it at the time of construction or modification and any subsequent requirements applicable to existing sources or facilities.

Item E: **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 F: **Recycling and Salvage - 6 NYCRR 201-1.7**

Where practical, any person who owns or operates an air contamination source shall recycle or salvage air contaminants collected in an air cleaning device according to the requirements of 6 NYCRR.

Item G: **Prohibition of Reintroduction of Collected Contaminants to the Air - 6 NYCRR 201-1.8**

No person shall unnecessarily remove, handle, or cause to be handled, collected air contaminants from an air cleaning device for recycling, salvage or disposal in a manner that would reintroduce them to the outdoor atmosphere.

Item H: **Proof of Eligibility for Sources Defined as Exempt Activities - 6 NYCRR 201-3.2 (a)**

The owner and/or operator of an emission source or unit that is eligible to be exempt, may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item I: **Proof of Eligibility for Sources Defined as Trivial Activities - 6 NYCRR 201-3.3 (a)**

The owner and/or operator of an emission source or unit that is listed as being trivial in 6 NYCRR Part 201 may be required to certify that it operates within the specific criteria described in 6 NYCRR Subpart 201-3. The owner or operator of any such emission source 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 which contains emission sources or units subject to 6 NYCRR Subpart 201-3, 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.

Item J: **Required Emission Tests - 6 NYCRR 202-1.1**

An acceptable report of measured emissions shall be submitted, as may be required by the Commissioner, to ascertain compliance or noncompliance with any air pollution code, rule, or regulation. Failure to submit a report acceptable to the Commissioner within the time stated shall be sufficient reason for the Commissioner to suspend or deny an operating permit. Notification and acceptable procedures are specified in 6 NYCRR Subpart 202-1.

Item K: **Open Fires Prohibitions - 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.

Item L: **Permit Exclusion - ECL 19-0305**
The issuance of this permit by the Department and the receipt thereof by the Applicant does not and shall not be construed as barring, diminishing, adjudicating or in any way affecting any legal, administrative or equitable rights or claims, actions, suits, causes of action or demands whatsoever that the Department may have against the Applicant for violations based on facts and circumstances alleged to have occurred or existed prior to the effective date of this permit, including, but not limited to, any enforcement action authorized pursuant to the provisions of applicable federal law, the Environmental Conservation Law of the State of New York (ECL) and Chapter III of the Official Compilation of the Codes, Rules and Regulations of the State of New York (NYCRR). The issuance of this permit also shall not in any way affect pending or future enforcement actions under the Clean Air Act brought by the United States or any person.

Item M: **Federally Enforceable Requirements - 40 CFR 70.6 (b)**
All terms and conditions in this permit required by the Act or any 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.

FEDERAL APPLICABLE REQUIREMENTS
The following conditions are federally enforceable.

Condition 1: **Required Emissions Tests**

Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 202-1.1

Item 1.1:
For the purpose of ascertaining compliance or non-compliance with any air pollution control code, rule or regulation, the commissioner may require the person who owns such air contamination source to submit an acceptable report of measured emissions within a stated time.

Condition 2: Facility Permissible Emissions
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 2.1:
The sum of emissions from the emission units specified in this permit shall not equal or exceed the following
Potential To Emit (PTE) rate for each regulated contaminant:

CAS No: 007446-09-5 (From Mod 1) PTE: 198,000 pounds per year
Name: SULFUR DIOXIDE

CAS No: 007647-01-0 (From Mod 1) PTE: 19,960 pounds per year
Name: HYDROGEN CHLORIDE

CAS No: 0NY750-00-0 (From Mod 1) PTE: 199,800,000 pounds per year
Name: CARBON DIOXIDE EQUIVALENTS

Condition 1-1: Capping Monitoring Condition
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 1-1.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 1-1.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-1.3:

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.

Item 1-1.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-1.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-1.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-1.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Coal Tar contaminated soils must be blended with low sulfur contaminated soils in accordance with the O&M Manual and SW Permit to bring the %S in the hydrocarbon portion of the soil fed to the remediation units to less than 1.5%S.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-2: Capping Monitoring Condition
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Replaces Condition(s) 6

Item 1-2.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR Subpart 201-6

Item 1-2.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 1-2.3:
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.

Item 1-2.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 1-2.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 1-2.6:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 1-2.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Allowable annual emissions of VOC from Emission Unit 00001 is not to exceed 40 tons per year in order to assure total facility wide emissions remain below 50 tpy.
Emissions are to be calculated based upon Actual VOCs fed to the kiln times; (1- 0.9999) for the stationary

treatment unit and (1 - 0.9972) for the portable treatment unit.

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2015 for the period 11/03/2014 through 07/23/2015

Condition 3: Capping Monitoring Condition
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 3.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 3.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 3.3:
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.

Item 3.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 3.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 3.6:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY750-00-0 CARBON DIOXIDE EQUIVALENTS

Item 3.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Emissions of CO2 equivalents will be calculated as follow:

18,100 (tons CO2 eq soil contaminant contribution on an annual PTE basis) +

0.0211 (tons CO2 eq/gallon liquid fuel) X gallons liquid fuel +

0.0592 (tons CO2 eq/MMbtu of Natural Gas) X MMbtu NG

These emissions will be calculated annually on a monthly rolling basis and are not to exceed 99,900 ton of CO2 eq.

Monthly billing statements from NG and liq fuel suppliers will be utilized to calculate emissions and to demonstrate compliance.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL TOTAL ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2014 for the period 07/24/2013 through 07/23/2014

Condition 5: Capping Monitoring Condition
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 5.1:
Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 5.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 5.3:
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.

Item 5.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 5.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 5.6:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 5.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
The facility will limit emissions of sulfur dioxide from all sources to less than 198,000 pounds or less per 12-month period. Emissions will be calculated based upon sulfur content in the soils remediated to be determined utilizing one of the following methods: regulatory standard (State or Federal) for contaminant, analytical methodology in accordance with NYSDEC Permit No. 5-5330-00038/00019, or fuel source specification, and the regulated sulfur content of the waste fuel and/or oil burned in the treatment units.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2014 for the period 07/24/2013 through 07/23/2014

Condition 7: Capping Monitoring Condition
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR Subpart 201-7

Item 7.1:

Under the authority of 6 NYCRR Part 201-7, this condition contains an emission cap for the purpose of limiting emissions from the facility, emission unit or process to avoid being subject to the following applicable requirement(s) that the facility, emission unit or process would otherwise be subject to:

6 NYCRR 201-6.1 (a)

Item 7.2:
Operation of this facility shall take place in accordance with the approved criteria, emission limits, terms, conditions and standards in this permit.

Item 7.3:
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.

Item 7.4:
On an annual basis, unless otherwise specified below, beginning one year after the granting of an emissions cap, the responsible official shall provide a certification to the Department that the facility has operated all emission units within the limits imposed by the emission cap. This certification shall include a brief summary of the emissions subject to the cap for that time period and a comparison to the threshold levels that would require compliance with an applicable requirement.

Item 7.5:
The emission of pollutants that exceed the applicability thresholds for an applicable requirement, for which the facility has obtained an emissions cap, constitutes a violation of Part 201 and of the Act.

Item 7.6:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 7.7:
Compliance Demonstration shall include the following monitoring:

Capping: Yes
Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Actual chlorinated compound concentrations in feed soils are used to calculate emissions. All chlorine is assumed to convert to HCl.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOIL
Parameter Monitored: CHLORINE
Upper Permit Limit: 9.70 tons per year

Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2014 for the period 07/24/2013 through 07/23/2014

Condition 9: Air pollution prohibited
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 211.1

Item 9.1:
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. Notwithstanding the existence of specific air quality standards or emission limits, this prohibition applies, but is not limited to, any particulate, fume, gas, mist, odor, smoke, vapor, pollen, toxic or deleterious emission, either alone or in combination with others.

Condition 10: Compliance Demonstration
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.4 (c)

Item 10.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 001

Emission Unit: U-00001
Process: 003

Emission Unit: U-00002
Process: 002

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
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.

Upper Permit Limit: 0.05 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-3: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.6 (a)

Item 1-3.1:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 0NY075-00-0 PARTICULATES

Item 1-3.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:

No person shall cause or allow emissions having an average opacity during any six consecutive minutes of 20 percent or greater from any process emission source, except only the emission of uncombined water. The Department reserves the right to perform or require the performance of a Method 9 opacity evaluation at any time during facility operation.

The permittee will conduct observations of visible emissions from the emission unit, process, etc. to which this condition applies at any time there are visible stack emission which have the potential to exceed 20%. The permittee will investigate, in a timely manner, any instance where there is cause to believe that visible emissions have the potential to exceed the opacity standard.

The permittee shall investigate the cause, make any necessary corrections, and verify that the excess visible emissions problem has been corrected. If visible emissions with the potential to exceed 20% continue, the permittee will conduct a Method 9 assessment within the next operating day of the sources associated with the potential noncompliance to determine the degree of opacity and will notify the NYSDEC if the method 9 test indicates that the opacity standard is not met.

Records of visible emissions observations (or any follow-up method 9 tests), investigations and corrective actions will be kept on-site. Should the Department determine that permittee's record keeping format is inadequate to demonstrate compliance with this condition, it shall provide written notice to the permittee stating the inadequacies, and permittee shall have 90 days to revise its prospective record keeping format in a manner acceptable to the Department.

Parameter Monitored: OPACITY
Upper Permit Limit: 20 percent
Reference Test Method: Method 9
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: 6-MINUTE AVERAGE (METHOD 9)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-4: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-4.1:
The Compliance Demonstration activity will be performed for the Facility.

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 1-4.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Allowable combined annual feed rate of PCBs is 933.8 tpy to the remediation units. This is based upon a demonstrated DRE of 99.99% and meeting the annual guideline concentration impacts.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: PCB CONTAMINATED SOIL
Parameter Monitored: POLYCHLORINATED BIPHENYL
Upper Permit Limit: 933.8 tons per year
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: ANNUAL MAXIMUM ROLLED DAILY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2015 for the period 11/03/2014 through 07/23/2015

Condition 1-5: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-5.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 1-5.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
For the portable treatment unit, the average hourly thermal oxidizer exit temperatures must be a minimum of 1590 degrees Fahrenheit when processing PCS in order to assure the same degree of control demonstrated during stack tests.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1590 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-6: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-6.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 000050-32-8 BENZO(A)PYRENE

Item 1-6.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Allowable combined annual emissions of Benzo(A)Pyrene is

223 pounds per year from the remediation units. Emissions shall be calculated as the measured concentration of Benzo(A)Pyrene in coal-tar contaminated soils times the soil feed rate times(1 - 0.99995 for the stationaray remediation unit & 1 - 0.9981 for the portable unit). These DREs come from the latest stack test results respectively.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: COAL TAR
Parameter Monitored: BENZO(A)PYRENE
Upper Permit Limit: 223.0 pounds per year
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2015 for the period 11/03/2014 through 07/23/2015

Condition 1-7: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-7.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 1-7.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
For the portable treatment unit, the average hourly thermal oxidizer exit temperatures must be a minimum of 1650 degrees Fahrenheit when processing PCB contaminated soil in order to assure the same degree of control demonstrated during stack tests.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1650 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-8: Compliance Demonstration

Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-8.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000050-32-8	BENZO(A)PYRENE
CAS No: 001336-36-3	POLYCHLORINATED BIPHENYL
CAS No: 0NY998-00-0	VOC

Item 1-8.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
For the stationary treatment unit, the average hourly thermal oxidizer exit temperatures must be a minimum of 1500 degrees Fahrenheit when processing PCS, Coal-tar or PCB contaminated soil in order to assure the same degree of control demonstrated during stack tests.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1500 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-9: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-9.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):

CAS No: 000050-32-8	BENZO(A)PYRENE

Item 1-9.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: MONITORING OF PROCESS OR CONTROL

DEVICE PARAMETERS AS SURROGATE
Monitoring Description:
For the portable treatment unit, the average hourly thermal oxidizer exit temperatures must be a minimum of 1710 degrees Fahrenheit when processing coal-tar contaminated soil in order to assure the same degree of control demonstrated during stack tests.

Parameter Monitored: TEMPERATURE
Lower Permit Limit: 1710 degrees Fahrenheit
Monitoring Frequency: CONTINUOUS
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-10: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-10.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 1-10.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Thhe total volatile & semi-volatile content of PCS after blending which goes to the soil remediation units for treatment is not to exceed 810 lb/hr per rotary kiln. Soil is tested before acceptance for concentration. Based on analyses & destruction efficiency (99.99%), monthly VOC emission claculations are made.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOIL
Parameter Monitored: VOC CONTENT
Upper Permit Limit: 810 pounds per hour
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2015 for the period 11/03/2014 through 07/23/2015

Condition 1-11: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-11.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00002

Regulated Contaminant(s):
CAS No: 0NY998-00-0 VOC

Item 1-11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Carbon bed monitoring shall be performed once per month with a PID. When the PID meter indicates VOC breakthrough, maintenance shall be performed. Maintenance includes cleaning, adjusting or changing-out the activated carbon.. After maintenance, carbon beds must operate at 99% control efficiency or better. VOC readings less than the accuracy of the PID (considered 2 ppm or 10% of recorded value which ever is greater) will not be considered breakthrough.

Reference Test Method: Method 21
Monitoring Frequency: MONTHLY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 11: Compliance Demonstration
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 11.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 001

Emission Unit: U-00001
Process: 003

Regulated Contaminant(s):

CAS No: 0NY998-00-0 VOC

Item 11.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Annual hours of operation of the stationary remediation unit (EP 00001 - Process 001) times 0.695 plus hours of operation of the mobile remediation unit (EP 00003 - Process 003) times 1.025 must be less than or equal to 8,760. This requirement assures compliance with long term acceptable guideline concentrations based on ISCST3 modeling.

Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: ANNUAL MAXIMUM ROLLED MONTHLY
Reporting Requirements: ANNUALLY (ANNIVERSARY)
Initial Report Due: 08/22/2014 for the period 07/24/2013 through 07/23/2014

Condition 1-12: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9

Item 1-12.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 007647-01-0 HYDROGEN CHLORIDE

Item 1-12.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The chlorine feed in the contaminated soil to the remediation units combined is restricted to 36.0 pounds per hour in order to assure compliance with the SGC for HCl.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOIL
Parameter Monitored: CHLORINE
Upper Permit Limit: 36.0 pounds per hour
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE

Averaging Method: 1 HOUR MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-13: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9 (b)

Item 1-13.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 007446-09-5 SULFUR DIOXIDE

Item 1-13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Coal Tar contaminated soils must be blended with low sulfur contaminated soils to bring the %S in the hydrocarbon portion of the soil fed to the remediation units to less than 1.5%.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: SOIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 1.5 percent by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 12: Compliance Demonstration
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 212.9 (d)

Item 12.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 004

Regulated Contaminant(s):

CAS No: 0NY075-00-0 PARTICULATES

Item 12.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: INTERMITTENT EMISSION TESTING
Monitoring Description:
Emissions of solid particulates are limited to less than 0.030 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.

Upper Permit Limit: 0.03 grains per dscf
Reference Test Method: EPA Method 5
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: AVERAGING METHOD AS PER REFERENCE TEST METHOD INDICATED
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-14: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-1.2 (f)

Item 1-14.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 1-14.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Owners and/or operators of commercial, industrial, or residential emission sources that fire number two heating oil on or after July 1, 2012 are limited to the purchase of number two heating oil with 0.0015 percent sulfur by weight or less. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: NUMBER 2 HEATING OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-15: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-1.2 (h)

Item 1-15.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 1-15.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Owners and/or operators of a stationary combustion installations that fire distillate oil are limited to the firing of distillate oil with 0.0015 percent sulfur by weight or less on or after July 1, 2016. Compliance with this limit will be based on vendor certifications.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.0015 percent by weight
Monitoring Frequency: PER DELIVERY
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 1-16: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-1.2 (i)

Item 1-16.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 1-16.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:

Owners and/or operators of any stationary combustion installation that fires waste oil on or after July 1, 2014 are limited to the firing of waste oil with 0.75 percent sulfur by weight or less.

Data collected pursuant to this Subpart must be tabulated and summarized in a form acceptable to the Department, and must be retained for at least five years. The owner of a Title V facility must furnish to the Department such records and summaries, on a semiannual calendar basis, within 30 days after the end of the semiannual period. All other facility owners or distributors must submit these records and summaries upon request of the Department.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: DISTILLATES - NUMBER 1 AND NUMBER 2 OIL
Parameter Monitored: SULFUR CONTENT
Upper Permit Limit: 0.75 percent by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 13: Compliance Demonstration
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-2.3 (b) (1) (ii)

Item 13.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001
Process: 001 Emission Source: 00001

Emission Unit: U-00001
Process: 003 Emission Source: 00010

Item 13.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
Each piece of equipment which fires Waste Fuel A shall demonstrate, at a minimum, 99% combustion efficiency within 60 days of its first use on site.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WASTE OIL
Parameter Monitored: COMBUSTION EFFICIENCY
Lower Permit Limit: 99.0 percent
Monitoring Frequency: AS REQUIRED - SEE PERMIT MONITORING DESCRIPTION
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: ONCE / BATCH OR MONITORING OCCURRENCE

Condition 1-17: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 1-17.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Item 1-17.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The minimum fuel heat content of the waste oil shall be at least
125, 000 BTU/gallon on fuel.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WASTE OIL
Parameter Monitored: HEAT CONTENT
Lower Permit Limit: 125000.0 British thermal units per gallon
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MINIMUM - NOT TO FALL BELOW STATED VALUE AT ANY TIME
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-18: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 1-18.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Item 1-18.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The total halogen limit per Part 360-14.2(x),(1) is 4000 ppm maximum. The more restrictive limit under part 225-2.4(b) is 1000 ppm maximum.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WASTE OIL
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 1000 parts per million by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-19: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 1-19.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 001336-36-3 POLYCHLORINATED BIPHENYL

Item 1-19.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The more restrictive limitation for Total PCBs, per Part 360-14.2(x),(1) is < 2 ppm maximum. The limit under Part 225-2.4(b) is < 50 ppm maximum.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WASTE OIL
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 50 parts per million by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

Condition 1-20: Compliance Demonstration
Effective between the dates of 11/03/2014 and 07/23/2023

Applicable Federal Requirement:6 NYCRR 225-2.4 (b)

Item 1-20.1:
The Compliance Demonstration activity will be performed for the facility:
The Compliance Demonstration applies to:

Emission Unit: U-00001

Regulated Contaminant(s):
CAS No: 007439-92-1 LEAD

Item 1-20.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: WORK PRACTICE INVOLVING SPECIFIC OPERATIONS
Monitoring Description:
The more restrictive fuel contaminant limitation for lead under Part 360-14.2(x),(1) is 100 ppm maximum. The Division of Air restrictions under Part 225-2.4(b) are 250.0 ppm.

Work Practice Type: PARAMETER OF PROCESS MATERIAL
Process Material: WASTE OIL
Parameter Monitored: CONCENTRATION
Upper Permit Limit: 250.0 parts per million by weight
Monitoring Frequency: PER BATCH OF PRODUCT/RAW MATERIAL CHANGE
Averaging Method: MAXIMUM - NOT TO BE EXCEEDED AT ANY TIME (INSTANTANEOUS/DISCRETE OR GRAB)
Reporting Requirements: UPON REQUEST BY REGULATORY AGENCY

STATE ONLY ENFORCEABLE CONDITIONS
****** Facility Level ******

NOTIFICATION OF GENERAL PERMITTEE OBLIGATIONS
This section contains terms and conditions which are not federally enforceable. Permittees may also have other obligations under regulations of general applicability

Item A: **Public Access to Recordkeeping for Facilities With State Facility Permits - 6 NYCRR 201-1.10 (a)**
Where facility owners and/or operators keep records pursuant to compliance with the requirements of 6 NYCRR Subpart 201-5.4, and/or the emission capping requirements of 6 NYCRR Subpart 201-7, the Department will make such records available to the public upon request in accordance with 6 NYCRR Part 616 - Public Access to Records. Facility owners and/or operators must submit the records required to comply with the request within sixty working days of written notification by the Department.

Item B: **General Provisions for State Enforceable Permit Terms and Condition - 6 NYCRR Part 201-5**
Any person who owns and/or operates stationary sources shall operate and maintain all emission units and any required emission control devices in compliance with all applicable Parts of this Chapter and existing laws, and shall operate the facility in accordance with all criteria, emission limits, terms, conditions, and standards in this permit. Failure of such person to properly operate and maintain the effectiveness of such emission units and emission control devices may be sufficient reason for the Department to revoke or deny a permit.

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

STATE ONLY APPLICABLE REQUIREMENTS
The following conditions are state only enforceable.

Condition 14: **Contaminant List**
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:ECL 19-0301

Item 14.1:
Emissions of the following contaminants are subject to contaminant specific requirements in this permit(emission limits, control requirements or compliance monitoring conditions).

CAS No: 000050-32-8
Name: BENZO(A)PYRENE

CAS No: 001336-36-3
Name: POLYCHLORINATED BIPHENYL

CAS No: 007439-92-1
Name: LEAD

CAS No: 007446-09-5
Name: SULFUR DIOXIDE

CAS No: 007647-01-0
Name: HYDROGEN CHLORIDE

CAS No: 0NY075-00-0
Name: PARTICULATES

CAS No: 0NY750-00-0
Name: CARBON DIOXIDE EQUIVALENTS

CAS No: 0NY998-00-0
Name: VOC

Condition 15: Malfunctions and start-up/shutdown activities
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR 201-1.4

Item 15.1:
(a) The facility owner or operator shall take all necessary and appropriate actions to prevent the emission of air pollutants that result in contravention of any applicable emission standard during periods of start-up, shutdown, or malfunction.

(b) The facility owner or operator shall compile and maintain records of all equipment malfunctions, maintenance, or start-up/shutdown activities when they can be expected to result in an exceedance of any applicable emission standard, and shall submit a report of such activities to the department when requested to do so, or when so required by a condition of a permit issued for the corresponding air contamination source. Such reports shall state whether any violations occurred and, if so, whether they were unavoidable, include the time, frequency and duration of the maintenance and/or start-up/shutdown activities, and an estimate of the emission rates of any air contaminants released. Such records shall be maintained for a period of at least five years and made available for review to department representatives upon request. Facility owners or operators subject to continuous stack monitoring and quarterly reporting requirements need not

submit additional reports for equipment maintenance or start-up/shutdown activities for the facility to the department.

(c) In the event that emissions of air contaminants in excess of any emission standard in this Subchapter occur due to a malfunction, the facility owner or operator shall compile and maintain records of the malfunction and notify the department as soon as possible during normal working hours, but not later than two working days after becoming aware that the malfunction occurred. When requested by the department, the facility owner or operator shall submit a written report to the department describing the malfunction, the corrective action taken, identification of air contaminants, and an estimate of the emission rates.

(d) The department may also require the owner or operator to include, in reports described under Subdivisions (b) and (c) of this Section, an estimate of the maximum ground level concentration of each air contaminant emitted and the effect of such emissions.

(e) A violation of any applicable emission standard resulting from start-up, shutdown, or malfunction conditions at a permitted or registered facility may not be subject to an enforcement action by the department and/or penalty if the department determines, in its sole discretion, that such a violation was unavoidable. The actions and recordkeeping and reporting requirements listed above must be adhered to in such circumstances.

Condition 16: Emission Unit Definition
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 16.1(From Mod 1):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00001
Emission Unit Description:
This emission unit includes two Low Temperature Thermal Desportion Units (LTTDUs) used primarily to treat petroleum and nonpetroleum contaminated soils. Each LTTDU consists of a rotary kiln (primary treatment unit), thermal oxidizer (secondary treatment unit), evaporative cooling chamber, optional multiple cyclones, and baghouses.

Building(s): 00001

Item 16.2(From Mod 1):
The facility is authorized to perform regulated processes under this permit for:
Emission Unit: U-00002
Emission Unit Description:
The ventillation from the contaminated soil storage building has carbon bed filters with particulate pre-filters for control of particulate and VOC emissions.

Building(s): 00001

Condition 17: Renewal deadlines for state facility permits
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR 201-5.2 (c)

Item 17.1:
The owner or operator of a facility having an issued state facility 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.

Condition 18: Compliance Demonstration
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR 201-5.3 (c)

Item 18.1:
The Compliance Demonstration activity will be performed for the Facility.

Item 18.2:
Compliance Demonstration shall include the following monitoring:

Monitoring Type: RECORD KEEPING/MAINTENANCE PROCEDURES
Monitoring Description:
Any reports or submissions required by this permit shall be submitted to the Regional Air Pollution Control Engineer (RAPCE) at the following address:

Division of Air Resources
NYS Dept. of Environmental Conservation
Region 5
232 Golf Course Rd.
Warrensburg, NY 12885

Reporting Requirements: AS REQUIRED - SEE MONITORING DESCRIPTION

Condition 19: Visible Emissions Limited
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR 211.2

Item 19.1:
Except as permitted by a specific part of this Subchapter and for open fires for which a restricted burning permit has been issued, no person shall cause or allow any air contamination source to emit any material having an opacity equal to or greater than 20 percent (six minute average) except for one continuous six-minute period per hour of not more than 57 percent opacity.

****** Emission Unit Level ******

Condition 20: Emission Point Definition By Emission Unit
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 20.1(From Mod 1):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00001

Emission Point: 00001
Height (ft.): 55 Diameter (in.): 44
NYTMN (km.): 4792.78 NYTME (km.): 615.847 Building: 00001

Emission Point: 00003
Height (ft.): 39 Length (in.): 80 Width (in.): 32
NYTMN (km.): 4792.754 NYTME (km.): 615.854

Item 20.2(From Mod 1):
The following emission points are included in this permit for the cited Emission Unit:

Emission Unit: U-00002

Emission Point: 00002
Height (ft.): 55 Diameter (in.): 26
NYTMN (km.): 4792.739 NYTME (km.): 615.813 Building: 00001

Condition 21: Process Definition By Emission Unit
Effective between the dates of 07/24/2013 and 07/23/2023

Applicable State Requirement:6 NYCRR Subpart 201-5

Item 21.1(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: 001 Source Classification Code: 5-04-105-30
Process Description:
This process is the thermal desorption of contaminated soils in the primary treatment units followed by thermal oxidation of effluent gases in the secondary treatment units. The treatment units are fueled by No. 2 fuel oil, No. 4 fuel oil, non-residual Waste Oil A, natural gas, or liquidied petroleum gas. Each unit is equipped with an optional multiple cyclone and a baghouse for emissions control. Emissions testing during processing of coal-tar contaminated materials in 1998 demonstrates the ability to operate without the multiple cyclones and meet applicable particulate emission limitations.

Emission Source/Control: 00001 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 40.5 million Btu per hour

Emission Source/Control: 00004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 00005 - Control
Control Type: FABRIC FILTER

Item 21.2(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: 003 Source Classification Code: 5-04-105-30
Process Description:
Mobile Remediation Unit - This process is the thermal desorption of contaminated soils in the primary treatment units followed by thermal oxidation of effluent gases in the secondary treatment units. The treatment units are fueled by No. 2 fuel oil, No. 4 fuel oil, non-residual Waste Oil A, natural gas, or liquidied petroleum gas. Each unit is equipped with a baghouse for emissions control. Emissions testing during processing of coal-tar contaminated materials in 1998 demonstrates the ability to operate without the multiple cyclones and meet applicable particulate emission limitations.

Emission Source/Control: 00010 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00011 - Combustion
Design Capacity: 42 million BTUs per hour

Emission Source/Control: 00012 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 00013 - Control
Control Type: FABRIC FILTER

Item 21.3(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00001
Process: 004 Source Classification Code: 3-05-020-12
Process Description:
The drying of aggregate and mine tailings in either of the primary treatment units Emission Source 00001 or 00010. Gasses (water vapor & particulates) pass through the respective thermal oxidation (secondary treatment) units without any combustion. Each unit is equipped with an optional multiple cyclone and a baghouse for emissions control. Emissions testing during processing of coal-tar contaminated materials in 1998 demonstrates the ability to operate without the multiple cyclones and meet applicable

particulate emission limitations.

Emission Source/Control: 00001 - Combustion
Design Capacity: 50 million Btu per hour

Emission Source/Control: 00003 - Combustion
Design Capacity: 40.5 million Btu per hour

Emission Source/Control: 00010 - Combustion
Design Capacity: 42 million Btu per hour

Emission Source/Control: 00011 - Combustion
Design Capacity: 42 million BTUs per hour

Emission Source/Control: 00004 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 00005 - Control
Control Type: FABRIC FILTER

Emission Source/Control: 00012 - Control
Control Type: MULTIPLE CYCLONE W/O FLY ASH INJECTION

Emission Source/Control: 00013 - Control
Control Type: FABRIC FILTER

Item 21.4(From Mod 1):
This permit authorizes the following regulated processes for the cited Emission Unit:

Emission Unit: U-00002
Process: 002 Source Classification Code: 5-03-008-99
Process Description:
Building exhaust contains fugitive VOC from contaminated soil storage plus particulates from crushing, screening and soil handling actiivties.

Emission Source/Control: 00002 - Control
Control Type: ACTIVATED CARBON ADSORPTION

Emission Source/Control: 00009 - Control
Control Type: MAT OR PANEL FILTER

Emission Source/Control: 00006 - Process

Emission Source/Control: 00007 - Process

Emission Source/Control: 00008 - Process