



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: December 13, 2017

Effective Date: December 13, 2017

Expiration Date: December 12, 2022

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 46-00230

Federal Tax Id - Plant Code: 23-6050977-1

Owner Information

Name: EAST NORRITON PLYMOUTH WHITPAIN JT SEW AUTH

Mailing Address: 200 ROSS ST

PLYMOUTH MEETING, PA 19462-2740

Plant Information

Plant: E NORRITON PLYMOUTH /NORRISTOWN

Location: 46 Montgomery County

46944 Plymouth Township

SIC Code: 4952 Trans. & Utilities - Sewerage Systems

Responsible Official

Name: TIMOTHY BOYD

Title: EXEC DIR

Phone: (610) 279 - 5759

Permit Contact Person

Name: THOMAS DALY

Title: SUPT

Phone: (610) 279 - 5759

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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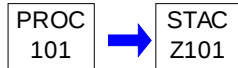
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
001	SEWAGE SLUDGE INCINERATOR	32.800 MCF/HR	Natural Gas
101	PARTS WASHER	N/A	STODARD SOLVENT
CD00	PM PACKED-BED WET SCRUBBER (SS MEDIA)		
CD01	PM MULTI-VENTURI SCRUBBER (RING JETS)		
CD02	AFTERBURNER WITH HEAT EXCHANGER		
S01	INCINERATOR STACK		
Z101	PARTS WASHER FUGITIVES		

PERMIT MAPS



SECTION B. General Title V Requirements

#001 [25 Pa. Code § 121.1]

Definitions

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]

Prohibition of Air Pollution

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]

Property Rights

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

#004 [25 Pa. Code § 127.446(a) and (c)]

Permit Expiration

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

Permit Renewal

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]

Transfer of Ownership or Operational Control

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

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(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]

Inspection and Entry

(a) Upon presentation of credentials and other documents as may be required by law for inspection and entry purposes, the permittee shall allow the Department of Environmental Protection or authorized representatives of the Department to perform the following:

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]

Compliance Requirements

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]

Need to Halt or Reduce Activity Not a Defense

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

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]

Duty to Provide Information

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or

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to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]

Reopening and Revising the Title V Permit for Cause

(a) This Title V 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 a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]

Reopening a Title V Permit for Cause by EPA

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]

Operating Permit Application Review by the EPA

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#014 [25 Pa. Code § 127.541]

Significant Operating Permit Modifications

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with

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25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]

Administrative Operating Permit Amendments

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]

Severability Clause

The provisions of this permit are severable, and if any provision of this permit is determined by the Environmental Hearing Board or a court of competent jurisdiction, or US EPA to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]

Fee Payment

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees).

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

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(e) The permittee shall pay an annual operating permit administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.

(f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#019 [25 Pa. Code §§ 127.14(b) & 127.449]

Authorization for De Minimis Emission Increases

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

The Department may disapprove or condition de minimis emission increases at any time.

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

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(5) Laboratory equipment used exclusively for chemical or physical analysis.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#020 [25 Pa. Code §§ 127.11a & 127.215]

Reactivation of Sources

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#021 [25 Pa. Code §§ 121.9 & 127.216]

Circumvention

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department,

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the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the permit transmittal letter,
or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Office of Air Enforcement and Compliance Assistance (3AP20)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

(a) The permittee shall maintain and make available, upon request by the Department, records of required monitoring information that include the following:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of the required monitoring data and supporting information for at least five (5) years from the date of the monitoring sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

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(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]

Reporting Requirements

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]

Compliance Certification

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #022 of this section.

#027 [25 Pa. Code § 127.3]

Operational Flexibility

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (1) Section 127.14 (relating to exemptions)

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- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]

Risk Management

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

SECTION B. General Title V Requirements

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Condition #26 of Section B of this Title V permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]

Approved Economic Incentives and Emission Trading Programs

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]

Permit Shield

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures;
- (b) Grading, paving, and maintenance of roads and streets;
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) Clearing of land;
- (e) Stockpiling of materials;
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) Sources, and classes of sources, other than those identified in (a) - (f) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:

- (1) The emissions are of minor significance with respect to causing air pollution; and
- (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002, of this Section, if such emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

004 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour; or
- (b) equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #005, of this Section, shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in Condition #002, of this Section.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit facility-wide NO_x emissions to less than 25 tons per year, based on a 12-month rolling sum.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

HAP emissions during any 12 consecutive month period from the entire facility shall not exceed the following:

- (a) 10 tons of any individual HAP; and

SECTION C. Site Level Requirements

(b) 25 tons of total HAPs.

008 [25 Pa. Code §129.14]

Open burning operations

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department;
- (c) a fire set solely for cooking food;
- (d) a fire set solely for recreational or ceremonial purposes; or
- (e) a fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to require exhaust stack testing of any source as necessary to verify emissions for purposes including determining whether a malfunction has occurred or determining compliance with any applicable regulation.

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements; or
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31).
 - (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
 - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

SECTION C. Site Level Requirements

- (1) Be investigated;
- (2) Be reported to the facility management, or individual(s) designated by the permittee;
- (3) Have appropriate corrective action taken (for emissions that originate on-site); and
- (4) Be recorded in a permanent written log.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) date, time, and location of the incident(s);
- (b) the cause of the event; and
- (c) the corrective action taken, if necessary to abate the situation and prevent future occurrences.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

On a monthly and 12 consecutive month basis, the permittee shall calculate and record the following:

- (a) individual and total HAP emissions for the entire site; and
- (b) NO_x emissions from the entire site.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) De minimis increases without notification to the Department.
- (b) De minimis increases with notification to the Department, via letter.
- (c) Increases resulting from a Request for Determination (RFD) to the Department.
- (d) Increases resulting from the issuance of a plan approval and subsequent operating permit.

V. REPORTING REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall notify the Department at 484-250-5920 within two (2) hours of discovery of the occurrence of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this operating permit, which results in or may possibly result in the emission of air contaminants in excess of the limitations specified in this operating permit or of a regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate operating permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c).]

SECTION C. Site Level Requirements

The permittee shall submit the following reports:

(a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit. The annual certificate of compliance shall be submitted to the Department in paper form, and EPA Region III in electronic form at the following email address: R3_APD_Permits@epa.gov

(b) A semi-annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the same year. Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1 through December 31 of the previous year).

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511(c).]

The deviation report required by Condition #023(b), of Section B, of this permit, is for monitoring deviations, only. This report shall be submitted to the Department, within six (6) months after permit issuance, and, at a frequency of at least every six (6) months thereafter.

019 [25 Pa. Code §135.3]

Reporting

The permittee has been advised by the Department to submit a source report; the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

020 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002 of this Section, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) paving and maintenance of roadways; and
- (d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Chapter 139; and Sections 114(a)(3), 504(b) of the CAA.]

(a) The permittee shall perform the emissions monitoring analysis procedures or test methods required under an applicable requirement including procedures and methods under Sections 114(a)(3) (42 U.S.C.A. §§ 7414 (a)(3)) or 504(b) (42 U.S.C.A. §§ 7661c(b)) of the Clean Air Act.

(b) Unless otherwise required by this permit, the permittee shall comply with applicable monitoring, quality assurance, recordkeeping and reporting requirements of the Air Pollution Control Act, 25 Pa. Code, Subpart C, Article III (relating to air resources), including Chapter 139 (relating to sampling and testing). The permittee shall also comply with applicable

SECTION C. Site Level Requirements

requirements related to monitoring, quality assurance, reporting and recordkeeping required by the Clean Air Act including applicable monitoring requirements of 40 CFR Part 60 Subpart O and 40 CFR Part 62 Subpart LLL, including §§ 114(a)(3) and 504(b) and regulations adopted thereunder, unless otherwise required by this permit.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the source(s) and air pollution control device(s), listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

The permittee may not modify any air contaminant system identified in this permit prior to obtaining Department approval except those modifications authorized by Condition #017(g), of Section B, of this permit.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to Title V General Requirements).

IX. COMPLIANCE SCHEDULE.

#025 15-MAR-18

Beginning on March 15, 2018, the permittee shall not operate the sewage sludge incinerator (Source ID 001) until compliance with 40 CFR Part 62 Subpart LLL is met, pursuant to 40 C.F.R. section 62.15910(b).

Beginning on March 15, 2018 and each quarter thereafter until full compliance with 40 CFR Part 62 Subpart LLL is achieved, the permittee shall submit written quarterly progress reports to DEP and EPA. All reports shall be postmarked or electronically submitted by the 30th day of the next quarter following the previous quarter. The reports shall include, but are not limited to, the sewage sludge disposal analysis and study, operation of the sludge conveyor system, operation of the incinerator, and/or proposed construction of any control devices or sources, as applicable.

#026 15-JUN-18

On or before June 15, 2018, the permittee shall submit to DEP a sewage sludge incinerator maintenance plan which includes the maintenance, upkeep, repair or rehabilitation procedures, which will enable the facility to reactive in accordance with the terms of the permit, in accordance with 25 Pa. Code § 127.215. The permittee shall follow the maintenance items as outlined in this plan.

#027 01-DEC-18

On or before December 1, 2018, the permittee shall begin implementation of the selected method of compliance related to the SSI Rule.

SECTION C. Site Level Requirements

1. If the chosen method of compliance is installation of the proposed scrubber as approved in Plan Approval No. 46-0230, the permittee shall begin the rebidding process for the proposed scrubber as approved in Plan Approval No. 46-0230 on or before December 1, 2018.

2. If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, the permittee shall begin project design of the alternative method and shall submit to DEP a Request for Determination for Exemption from Plan Approval/Operating Permit on or before December 1, 2018.

#028 01-MAR-19

1. If the chosen method of compliance is the installation of the proposed scrubber as approved in Plan Approval No. 46-0230, the permittee shall begin construction of the proposed scrubber as approved in Plan Approval No. 46-0230 on or before March 1, 2019. The permittee shall provide written notification within five (5) days of beginning construction.

2. If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is not required for the alternative, the permittee shall begin construction of the alternative method of compliance on or before March 1, 2019. The permittee shall provide written notification within five (5) days of beginning construction.

3. If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is required for the alternative, the permittee shall submit a complete plan approval application for the compliance method on or before March 1, 2019.

#029 01-NOV-19

If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is not required for the alternative, the permittee shall permanently decommission the sewage sludge incinerator (Source ID 001) by November 1, 2019. The permittee shall provide written notification within seven (7) days after completion of decommissioning.

#030 01-NOV-19

If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is required for the alternative, the permittee shall submit any commercial requisition orders necessary to secure equipment from the appropriate vendors or other suppliers within seven (7) days of receipt of a DEP issued plan approval. Within one hundred eight days (180) days of receipt of a plan approval, the permittee shall complete installation and commence operation. The permittee shall provide written notification within seven (7) days after completion of construction and commencement of operation.

At least ninety (90) days prior to completion of construction, the permittee shall submit a source test protocol of the scrubber stack exhausting to the outdoor atmosphere in order to determine compliance with all applicable emission limits of 40 CFR Part 62 Subpart LLL are met, pursuant to 40 C.F.R. Section 62.15910(b).

#031 01-NOV-19

If the chosen method of compliance is the installation of the proposed scrubber as approved in Plan Approval No. 46-0230, the permittee shall complete construction and commence operation of the proposed scrubber approved in Plan Approval No. 46-0230 on or before November 1, 2019. The permittee shall restart the incinerator at the same time the proposed scrubber commences operation. The permittee shall provide written notification within seven (7) days after completion of construction and commencement of operation.

On or before November 1, 2019, but at least ninety (90) days prior to testing, the permittee shall submit a source test protocol of the scrubber stack exhausting to the outdoor atmosphere in accordance with the test methods and procedures contained in 40 CFR Part 62 Subpart LLL and the most recent DEP Source Testing Manual in order to determine compliance with the post-control HCl and SO₂ emissions of 40 CFR Part 62 Subpart LLL, scrubber removal efficiency, as well as establishing site-specific operating limits including flow rate, pH and pressure drop.

SECTION C. Site Level Requirements

#032 01-FEB-20

1. If the chosen method of compliance is the installation of the proposed scrubber as approved in Plan Approval No. 46-0230, on or before February 1, 2020, the permittee shall perform the source test of the scrubber stack exhausting to the outdoor atmosphere as required by Plan Approval No. 46-0230. Testing shall determine post-control HCl and SO₂ emissions, scrubber removal efficiency, as well as establishing site-specific operating limits including flow rate, pH and pressure drop.

Performance tests shall be conducted and data produced in accordance with the test methods and procedures contained in 40 CFR Part 62 Subpart LLL and the most recent DEP Source Testing Manual.

#033 01-FEB-20

2. If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is required for the alternative, the permittee shall perform the source test of the sewage sludge incinerator within sixty (60) days of completing installation. Testing shall be conducted in order to determine compliance with all applicable emission limits of 40 CFR Part 62 Subpart LLL are met, pursuant to 40 C.F.R. Section 62.15910(b).

Performance tests shall be conducted and data produced in accordance with the test methods and procedures contained in 40 CFR Part 62 Subpart LLL and the most recent DEP Source Testing Manual.

#034 01-MAY-20

If the permittee is unable to achieve compliance with the applicable emission requirements found in 40 CFR Part 62 Subpart LLL by May 1, 2020, the permittee shall permanently decommission the incinerator and shall comply with the requirements of 40 CFR § 62.15915.

#035 01-MAY-20

If the chosen method of compliance is an alternative method other than the proposed scrubber as approved in Plan Approval No. 46-0230, and a plan approval is required for the alternative, the permittee shall achieve full compliance with terms and conditions of the respective Plan Approval and all applicable emission limits of 40 CFR Part 62 Subpart LLL within (90) days of completing installation.

#036 01-MAY-20

If the chosen method of compliance is the installation of the proposed scrubber as approved in Plan Approval No. 46-0230, on or before May 1, 2020, the permittee shall achieve full compliance with terms and conditions of the respective Plan Approval for the installation of a packed-bed wet scrubber with mist eliminator to address compliance with the applicable HCl and SO₂ emission limits of 40 CFR Part 62 Subpart LLL.

***** Permit Shield In Effect *****

SECTION D. Source Level Requirements

Source ID: 001

Source Name: SEWAGE SLUDGE INCINERATOR

Source Capacity/Throughput:

32.800 MCF/HR

Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

NOx emissions shall not exceed either of the following:

- (a) 161 ppm, averaged monthly, and measured continuously; and
- (b) 25.0 tons in any 12 consecutive month period.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Opacity from this source shall not exceed 20% at any time.

[Compliance with this streamlined permit condition assures compliance with 40 CFR 60.152(a)(2).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.152(a)(1).]

Particulate matter emissions to the atmosphere shall not exceed 1.3 lbs/ton of dry sludge input.

[Compliance with this permit condition assures compliance with 25 Pa. Code § 123.12.]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 61.52(b).]

Mercury emissions shall not exceed 3,200 grams in any 24-hour period.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 503.40.]

CO emissions shall not exceed a monthly average of 100 ppmvd, corrected to 7% oxygen.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 61.32.]

Beryllium emissions to the atmosphere shall not exceed 10 gr (0.022 lb) over a 24-hour period, except if the permittee elects to meet an ambient concentration limit of beryllium in the vicinity of the source of 0.01 micrograms/cubic meter, averaged over a 30-day period.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The average daily concentration for arsenic, cadmium, chromium, and nickel in sewage sludge fed to a sewage sludge incinerator each shall not exceed the concentration calculated using equation 1, below:

Equation 1

SECTION D. Source Level Requirements

$$C = \frac{RSC \times 86,400}{DF \times (1 - CE) \times SF}$$

Where:

C = Average daily concentration of arsenic, cadmium, chromium, or nickel in sewage sludge.

CE = Sewage sludge incinerator control efficiency for arsenic, cadmium, chromium, or nickel in hundredths.

DF = Dispersion factor in micrograms per cubic meter per gram per second.

RSC = Risk specific concentration for arsenic, cadmium, chromium, or nickel in micrograms per cubic meter.

SF = Sewage sludge feed rate in metric tons per day (dry weight basis).

(b) The risk specific concentrations for arsenic, cadmium, and nickel used in equation 1, above, shall be obtained from the table 1 below:

Table 1 (Risk Specific Concentration for Arsenic, Cadmium, and Nickel)

Pollutant	Risk specific concentration (micrograms per cubic meter)
Arsenic.....	0.023
Cadmium.....	0.057
Nickel.....	2.0

(c) The risk specific concentration for chromium used in the equation above shall be obtained from Table 2 below, or shall be calculated using equation 2, below.

Table 2 (Risk Specific Concentration For Chromium)

Type of Incinerator	Risk specific concentration (micrograms per cubic meter)
Fluidized bed with wet scrubber.....	0.65
Other types with wet scrubber.....	0.064

Equation 2

$$RSC = \frac{0.0085}{r}$$

Where:

RSC=risk specific concentration for chromium in micrograms per cubic meter used in equation 1, above.

r=decimal fraction of the hexavalent chromium concentration in the total chromium concentration measured in the exit gas from the sewage sludge incinerator stack in hundredths.

(d) The dispersion factor (DF) in the first equation in this condition shall be determined from an air dispersion model in accordance with 40 CFR § 503.43(e).

(1) When the sewage sludge incinerator stack height is equal to or less than 65 meters, the actual sewage sludge incinerator stack height shall be used in the air dispersion model to determine the dispersion factor (DF) for equation 1, above.

(2) When the sewage sludge incinerator stack height is greater than 65 meters, the creditable stack height shall be

SECTION D. Source Level Requirements

determined in accordance with 40 CFR § 51.100(ii) and the creditable stack height shall be used in the air dispersion model to determine the dispersion factor (DF) for equation 1, above.

(e) The control efficiency (CE) for equation 1, above, shall be determined from a performance test of the sewage sludge incinerator in accordance with 40 CFR § 503.43(e).

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15955.]

(a) The permittee shall meet the following emission limits and standards, as specified in Table 3 of 40 CFR Part 62 Subpart LLL:

- (1) Particulate Matter: 80 milligrams per dry standard cubic meter
- (2) Hydrogen Chloride: 1.2 parts per million by dry volume
- (3) Carbon Monoxide: 3,800 parts per million by dry volume
- (4)(i) Dioxins/Furans (total mass basis): 5.0 nanograms per dry standard cubic meter, OR
- (4)(ii) Dioxins/Furans (toxic equivalency basis): 0.32 nanograms per dry standard cubic meter
- (5) Mercury: 0.28 milligrams per dry standard cubic meter
- (6) Oxides of Nitrogen: 220 parts per million by dry volume
- (7) Sulfur Dioxide: 26 parts per million by dry volume
- (8) Cadmium: 0.095 milligrams per dry standard cubic meter
- (9) Lead: 0.30 milligrams per dry standard cubic meter
- (10) Fugitive Emissions from Ash Handling: visible emissions of combustion ash from an ash conveying system (including conveyor transfer points) for no more than 5% of any compliance test hourly observation period.

(b) All emission limits are measured at 7-percent oxygen, dry basis at standard conditions.

(c) The emission limits and standards apply at all times the unit is operating and during periods of malfunction. The emission limits and standards apply to emissions from a bypass stack or vent while sewage sludge is in the combustion chamber (i.e., until the sewage sludge feed to the combustor has been cut off for a period of time not less than the sewage sludge incineration residence time).

Fuel Restriction(s).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas, as a supplemental fuel, shall be fired in this incinerator.

Throughput Restriction(s).

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sludge charge rate shall not exceed 5.5 wet tons per hour.

Control Device Efficiencies Restriction(s).

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The secondary combustion chamber of the furnace shall be operated in such a manner so as to maintain a minimum exit gas temperature of 1400°F, for three (3) seconds.

[Compliance with this condition streamlines compliance with the requirements of 40 CFR Part 62 Section 15960(a).]

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the multi-venturi section shall be maintained at a minimum of 16" w.g.

SECTION D. Source Level Requirements

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The pressure drop across the packed bed scrubber shall not exceed 6" w.g.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The water flow rate to the multi-venturi section shall be a minimum of 20 gpm, and to the packed bed scrubber section shall be a minimum of 250 gpm. The water used in the system shall be used once and shall not be recirculated.

II. TESTING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.153(b)(5).]

Except as provided in 40 CFR § 60.153(d), the permittee shall collect and analyze a grab sample of the sludge each day the incinerator is operating. The dry sludge content and the volatile solids content of the sample shall be determined in accordance with the methods specified under 40 CFR § 60.154(b)(5), except that the determination of volatile solids, step (3)(b) of the method, may not be deleted.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 503.46.]

The permittee shall monitor arsenic, cadmium, chromium, lead, and nickel in sewage sludge fed to the sewage sludge incinerator a minimum of once every sixty (60) days (six times per year), in accordance with 40 CFR § 503.46(a)(2).

After two (2) years of testing, the Department may reduce the above testing frequency.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Every other month, the permittee shall sample and test the sewage sludge for Beryllium content.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct all performance tests in accordance with the following:

(a) The permittee shall perform any stack test using the Department-approved procedures.

(b) At least sixty (60) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The stack test shall be conducted in accordance with the provisions of the Department's most recent version of the Source Testing Manual and with the requirements of 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

019 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15980.]

(a) The permittee shall demonstrate initial compliance with the emission limits and standards of 40 CFR Part 62 Subpart LLL by using the performance test required in 40 CFR § 60.8. The permittee shall demonstrate that the SSI unit meets the emission limits and standards specified in Table 3 to 40 CFR Part 62 Subpart LLL for particulate matter, hydrogen chloride, carbon monoxide, dioxins/furans (total mass basis or toxic equivalency basis), mercury, nitrogen oxides, sulfur dioxide, cadmium, lead and fugitive emissions from ash handling using the performance test. The initial performance test must be conducted using the test methods, averaging methods, and minimum sampling volumes or durations specified in Table 3 to 40 CFR Part 62 Subpart LLL and according to the testing, monitoring, and calibration requirements specified in 40 CFR § 62.16015(a).

(b) The permittee shall use the results from a performance test conducted within the 2 previous years that was conducted under the same conditions and demonstrated compliance with the emission limits and standards in Table 3 to 40 CFR Part 62 Subpart LLL, provided no process changes have been made since the performance test was conducted. However, the permittee shall continue to meet the operating limits established during the most recent performance test that demonstrated compliance with the emission limits and standards in Table 3 to Subpart LLL. The performance test must have used the test methods specified in Table 3 to Subpart LLL.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16015.]

The permittee shall conduct all performance tests in accordance with the following:

(a) All performance tests shall consist of a minimum of three test runs conducted under conditions representative of normal operations, as specified in 40 CFR § 60.8(c). Emissions in excess of the emission limits or standards during periods of startup, shutdown, and malfunction are considered deviations from the applicable emission limits or standards.

(b) The permittee shall document that the dry sludge burned during the performance test is representative of the sludge burned under normal operating conditions by:

(1) Maintaining a log of the quantity of sewage sludge burned during the performance test by continuously monitoring and recording the average hourly rate that sewage sludge is fed to the incinerator.

(2) Maintaining a log of the moisture content of the sewage sludge burned during the performance test by taking grab samples of the sewage sludge fed to the incinerator for each 8 hour period that testing is conducted.

(c) All performance tests must be conducted using the test methods, minimum sampling volume, observation period, and averaging method specified in Table 3 to 40 CFR Part 62 Subpart LLL.

(d) Method 1 at 40 CFR Part 60, Appendix A must be used to select the sampling location and number of traverse points.

(e) Method 3A or 3B at 40 CFR Part 60, Appendix A-2 must be used for gas composition analysis, including measurement of oxygen concentration. Method 3A or 3B at 40 CFR Part 60, Appendix A-2 must be used simultaneously with each method.

(f) All pollutant concentrations must be adjusted to 7-percent oxygen using Equation 1 of this condition:

$$C_{adj} = C_{meas} (20.9 - 7) / (20.9 - \%O_2) \text{ (Eq. 1)}$$

Where:

C_{adj} = Pollutant concentration adjusted to 7 percent oxygen.

C_{meas} = Pollutant concentration measured on a dry basis.

$(20.9 - 7)$ = 20.9 percent oxygen - 7 percent oxygen (defined oxygen correction basis).

SECTION D. Source Level Requirements

20.9 = Oxygen concentration in air, percent.

%O₂ = Oxygen concentration measured on a dry basis, percent.

(g) Performance tests must be conducted and data reduced in accordance with the test methods and procedures contained in 40 CFR Part 62 Subpart LLL unless the Administrator does one of the following.

(1) Specifies or approves, in specific cases, the use of a method with minor changes in methodology.

(2) Approves the use of an equivalent method.

(3) Approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance.

(4) Waives the requirement for performance tests because the permittee has demonstrated by other means to the Administrator's satisfaction that the affected SSI unit is in compliance with the standard.

(5) Approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph is construed to abrogate the Administrator's authority to require testing under section 114 of the Clean Air Act.

(h) The permittee shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other Subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days' notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the permittee shall notify the Administrator as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator by mutual agreement.

(i) The permittee shall provide, or cause to be provided, performance testing facilities as follows:

(1) Sampling ports adequate for the test methods applicable to the SSI unit, as follows:

(i) Constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures.

(ii) Providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures.

(2) Safe sampling platform(s).

(3) Safe access to sampling platform(s).

(4) Utilities for sampling and testing equipment.

(j) Unless otherwise specified in this subpart, each performance test must consist of three separate runs using the applicable test method. Each run must be conducted for the time and under the conditions specified in the applicable standard. Compliance with each emission limit must be determined by calculating the arithmetic mean of the three runs. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the permittee's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs.

(k) During each test run specified in paragraph (a)(1) of this condition, the permittee shall operate the sewage sludge incinerator at a minimum of 85-percent of the maximum permitted capacity.

SECTION D. Source Level Requirements

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the requirements of Table 3 of 40 CFR Part 62 Subpart LLL.]

The permittee shall use the averaging methods and minimum sampling volumes or durations as follows and determine compliance using the following methods:

- (a) Particulate Matter: 3-run average (collect a minimum volume of 0.75 dry standard cubic meters per run); Performance test (Method 5 at 40 CFR Part 60, Appendix A-3; Method 26A or Method 29 at 40 CFR Part 60, Appendix A-8).
- (b) Hydrogen Chloride: 3-run average (For Method 26, collect a minimum volume of 200 liters per run. For Method 26A, collect a minimum volume of 1 dry standard cubic meters per run); Performance test (Method 26 or 26A at 40 CFR Part 60, Appendix A-8).
- (c) Carbon Monoxide: 3-run average (collect sample for a minimum duration of one hour per run); Performance test (Method 10, 10A, or 10B at 40 CFR Part 60, Appendix A-4).
- (d)(1) Dioxins/furans (total mass basis): 3-run average (collect a minimum volume of 1 dry standard cubic meters per run); Performance test (Method 23 at 40 CFR Part 60, Appendix A-7); OR
- (d)(2) Dioxins/furans (toxic equivalency basis): 3-run average (collect a minimum volume of 1 dry standard cubic meters per run); Performance test (Method 23 at 40 CFR Part 60, Appendix A-7).
- (e) Mercury: 3-run average (For Method 29 and ASTM D6784-02, collect a minimum volume of 1 dry standard cubic meters per run. For Method 30B, collect a minimum sample as specified in Method 30B at 40 CFR Part 60, Appendix A-8); Performance test (Method 29 at 40 CFR Part 60, Appendix A-8; Method 30B at 40 CFR Part 60, Appendix A-8; or ASTM D6784-02).
- (f) Oxides of Nitrogen: 3-run average (Collect sample for a minimum duration of one hour per run); Performance test (Method 7 or 7E at 40 CFR Part 60, Appendix A-4).
- (g) Sulfur dioxide: 3-run average (For Method 6, collect a minimum volume of 200 liters per run. For Method 6C, collect sample for a minimum duration of one hour per run); Performance test (Method 6 or 6C at 40 CFR Part 40, Appendix A-4; or ANSI/ASME PTC 19.10-1981
- (h) Cadmium: 3-run average (collect a minimum volume of 1 dry standard cubic meters per run); Performance test (Method 29 at 40 CFR Part 60, Appendix A-8).
- (i) Lead: 3-run average (collect a minimum volume of 1 dry standard cubic meters per run); Performance test (Method 29 at 40 CFR Part 60, Appendix A-8).
- (j) Fugitive Emissions from Ash Handling: Three 1-hour observation periods; Visible emission test (Method 22 of Appendix A-7 of 40 CFR Part 62 Subpart LLL).

III. MONITORING REQUIREMENTS.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be continuously monitored when the incinerator is in operation:

- (a) pressure drop across the multi-venturi scrubber section and across the packed-bed scrubber section, utilizing a differential manometer, or equivalent, and
- (b) water flow rate to the multi-venturi scrubber and the packed-bed scrubber, utilizing a rotameter, or equivalent.

SECTION D. Source Level Requirements

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following information shall be continuously monitored, when the incinerator is in operation:

- (a) natural gas usage shall be continuously monitored;
- (b) the pressure drop of the gas flow through each scrubber (packed bed and multi-venturi);
- (c) the exit gas temperature of the incinerator;
- (d) the negative furnace draft;
- (e) oxygen content of the off-gases at the furnace breach;
- (f) the temperature of each of the hearths, and the afterburner. There shall be a minimum of one (1) temperature measuring device in each hearth in the cooling and drying zones, and a minimum of two (2) temperature measuring devices in each hearth in the combustion zone;
- (g) the mass, or volume, of sludge charged to the incinerator (in wet tons per hour);
- (h) the position of the bypass damper; and
- (i) CO emissions, and averaged on a monthly basis.

[Compliance with the above demonstrates compliance with 40 CFR §§ 60.153 and 503.40.]

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15960(f).]

The permittee shall monitor the feed rate and moisture content of the sewage sludge fed to the sewage sludge incinerator, as follows:

- (a) Continuously monitor the sewage sludge feed rate and calculate a daily average for all hours of operation during each 24-hour period.
- (b) Take at least one grab sample per day of the sewage sludge fed to the sewage sludge incinerator. If the permittee takes more than one grab sample in a day, calculate the daily average for the grab samples.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16015(b).]

The permittee shall meet the following requirements, as applicable, when using a continuous monitoring system to demonstrate compliance with the emission limits in Table 3 to 40 CFR Part 62 Subpart LLL. The option to use a continuous emissions monitoring system for hydrogen chloride, dioxins/furans, cadmium, or lead takes effect on the date a final performance specification applicable to hydrogen chloride, dioxins/furans, cadmium or lead is published in the Federal Register. If the permittee elects to use a continuous emissions monitoring system instead of conducting annual performance testing, the permittee shall meet the requirements of paragraphs (a) through (f) of this condition. If the permittee elects to use a continuous automated sampling system instead of conducting annual performance testing, the permittee shall the requirements of paragraph (g) of this condition. The option to use a continuous automated sampling system for dioxins/furans takes effect on the date a final performance specification for such a continuous automated sampling system is published in the Federal Register.

- (a) The permittee shall notify the Administrator 1 month before starting use of the continuous emissions monitoring system.
- (b) The permittee shall notify the Administrator 1 month before stopping use of the continuous emissions monitoring system, in which case the permittee shall also conduct a performance test within prior to ceasing operation of the system.
- (c) The permittee shall install, operate, calibrate, and maintain an instrument for continuously measuring and recording the emissions to the atmosphere in accordance with the following:

- (1) Section 60.13 of Subpart A of Part 60.

SECTION D. Source Level Requirements

(2) The following performance specifications of Appendix B of Part 60, as applicable:

(i) For particulate matter, Performance Specification 11 of Appendix B of Part 60.

(ii) For hydrogen chloride, Performance Specification 15 of Appendix B of Part 60.

(iii) For carbon monoxide, Performance Specification 4B of Appendix B of Part 60 with spans appropriate to the applicable emission limit.

(iv) For mercury, Performance Specification 12A of Appendix B of Part 60.

(v) For nitrogen oxides, Performance Specification 2 of Appendix B of Part 60.

(vi) For sulfur dioxide, Performance Specification 2 of Appendix B of Part 60.

(3) For continuous emissions monitoring systems, the quality assurance procedures (e.g., quarterly accuracy determinations and daily calibration drift tests) of Appendix F of Part 62 specified in paragraphs (c)(2)(i) through (vi) of this condition. For each pollutant, the span value of the continuous emissions monitoring system is two times the applicable emission limit, expressed as a concentration.

(i) For particulate matter, Procedure 2 in Appendix F of Part 60.

(ii) For hydrogen chloride, Procedure 1 in Appendix F of Part 60 except that the Relative Accuracy Test Audit requirements of Procedure 1 shall be replaced with the validation requirements and criteria of Sections 11.1.1 and 12.0 of Performance Specification 15 of Appendix B of Part 60.

(iii) For carbon monoxide, Procedure 1 in Appendix F of Part 60.

(iv) For mercury, Procedures 5 in Appendix F of Part 60.

(v) For nitrogen oxides, Procedure 1 in Appendix F of Part 60.

(vi) For sulfur dioxide, Procedure 1 in Appendix F of Part 60.

(4) If the monitoring system has a malfunction or out-of-control period, the permittee shall complete repairs and resume operation of the monitoring system as expeditiously as possible.

(d) During each relative accuracy test run of the continuous emissions monitoring system using the performance specifications in paragraph (c)(2) of this condition, emission data for each regulated pollutant and oxygen (or carbon dioxide as established in (e) of this condition) must be collected concurrently (or within a 30- to 60-minute period) by both the continuous emissions monitoring systems and the test methods specified in paragraph (d)(1) through (8) of this condition. Relative accuracy testing must be at representative operating conditions while the SSI unit is charging sewage sludge.

(1) For particulate matter, Method 5 at 40 CFR Part 60, Appendix A-3 or Method 26A or 29 at 40 CFR Part 60, Appendix A-8 shall be used.

(2) For hydrogen chloride, Method 26 or 26A at 40 CFR Part 60, Appendix A-8, shall be used, as specified in Table 3 to Subpart LLL.

(3) For carbon monoxide, Method 10, 10A, or 10B at 40 CFR Part 60, Appendix A-4, shall be used.

(4) For dioxins/furans, Method 23 at 40 CFR Part 60, Appendix A-7, shall be used.

(5) For mercury, cadmium and lead, Method 29 at 40 CFR Part 60, Appendix A-8, shall be used. Alternatively for mercury, either Method 30B at 40 CFR Part 60, Appendix A-8 or ASTM D6784-02 (Reapproved 2008).

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(6) For nitrogen oxides, Method 7 or 7E at 40 CFR Part 60, Appendix A-4, shall be used.

(7) For sulfur dioxide, Method 6 or 6C at 40 CFR part 60, Appendix A-4, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus] must be used (see paragraph (e) of this section). For sources that have actual inlet emissions less than 100 parts per million dry volume, the relative accuracy criterion for the inlet of the sulfur dioxide continuous emissions monitoring system should be no greater than 20-percent of the mean value of the method test data in terms of the units of the emission standard, or 5 parts per million dry volume absolute value of the mean difference between the method and the continuous emissions monitoring system, whichever is greater.

(8) For oxygen (or carbon dioxide as established in (b)(5) of this section), Method 3A or 3B at 40 CFR Part 60, Appendix A-2, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], as applicable.

(e) The permittee may request that compliance with the emission limits be determined using carbon dioxide measurements corrected to an equivalent of 7-percent oxygen. If carbon dioxide is selected for use in diluent corrections, the relationship between oxygen and carbon dioxide levels must be established during the initial performance test according to the procedures and methods specified in paragraphs (e)(1) through (4) of this condition. This relationship may be reestablished during subsequent performance tests.

(1) The fuel factor equation in Method 3B at 40 CFR Part 60, Appendix A-2 must be used to determine the relationship between oxygen and carbon dioxide at a sampling location. Method 3A or 3B at 50 CFR Part 60, Appendix A-2, or as an alternative ANSI/ASME PTC 19.10-1981, Flue and Exhaust Gas Analyses [Part 10, Instruments and Apparatus], as applicable, must be used to determine the oxygen concentration at the same location as the carbon dioxide monitor.

(2) Samples must be taken for at least 30 minutes in each hour.

(3) Each sample must represent a 1-hour average.

(4) A minimum of three runs must be performed.

(f) The permittee shall operate the continuous monitoring system and collect data with the continuous monitoring system as follows:

(1) The permittee shall collect data using the continuous monitoring system at all times the affected SSI unit is operating and at the intervals specified in paragraph (f)(2) of this condition, except for periods of monitoring system malfunctions that occur during periods specified in 40 CFR § 62.15995(a)(7)(i), repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments). Any such periods that data is not collected using the continuous monitoring system constitute a deviation from the monitoring requirements and must be reported in a deviation report.

(2) The permittee shall collect continuous emissions monitoring system data in accordance with 40 CFR § 60.13(e)(2).

(3) Any data collected during monitoring system malfunctions, repairs associated with monitoring system malfunctions, or required monitoring system quality assurance or control activities must not be included in calculations used to report emissions or operating levels. Any such periods must be reported in a deviation report.

(4) Any data collected during periods when the monitoring system is out of control as specified in 40 CFR § 60.4880(a)(7)(i), repairs associated with periods when the monitoring system is out of control, or required monitoring system quality assurance or control activities conducted during out-of-control periods must not be included in calculations used to report emissions or operating levels. Any such periods that do not coincide with a monitoring system malfunction as defined in 40 CFR § 62.16045, constitute a deviation from the monitoring requirements and must be reported in a deviation report.

(5) The permittee shall use all the data collected during all periods except those periods specified in paragraphs (f)(3) and (4) of this condition in assessing the operation of the control device and associated control system.

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(g) If the permittee elects to use a continuous automated sampling system instead of conducting annual performance testing, the permittee shall:

(1) Install, calibrate, maintain and operate a continuous automated sampling system according to the site-specific monitoring plan developed in § 60.58b(p)(1) through (6), (9), (10), and (q).

(2) Collect data according to 40 CFR § 60.58b(p)(5) and paragraph (b)(f) of this condition.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16020.]

The permittee shall install, operate, calibrate and maintain the continuous parameter monitoring systems according to the requirements in paragraphs (a) and (b) of this condition.

(a) Meet the following general requirements for flow, pressure, pH and operating temperature measurement devices:

(1) The permittee shall collect data using the continuous monitoring system at all times the affected SSI unit is operating and at the intervals specified in paragraph (a)(2) of this condition, except for periods of monitoring system malfunctions that occur during periods specified defined in 40 CFR § 62.15995(a)(7)(i), repairs associated with monitoring system malfunctions, and required monitoring system quality assurance or quality control activities (including, as applicable, calibration checks and required zero and span adjustments). Any such periods that data is not collected using the continuous monitoring system constitute a deviation from the monitoring requirements and must be reported in a deviation report.

(2) The permittee shall collect continuous parameter monitoring system data in accordance with 40 CFR § 60.13(e)(2).

(3) Any data collected during monitoring system malfunctions, repairs associated with monitoring system malfunctions, or required monitoring system quality assurance or control activities must not be included in calculations used to report emissions or operating levels. Any such periods must be reported in the annual deviation report.

(4) Any data collected during periods when the monitoring system is out of control as specified in 40 CFR § 62.15995(a)(7)(i) must not be included in calculations used to report emissions or operating levels. Any such periods that do not coincide with a monitoring system malfunction, as defined in 40 CFR § 62.16045, constitute a deviation from the monitoring requirements and must be reported in a deviation report.

(5) The permittee shall use all the data collected during all periods except those periods specified in paragraphs (a)(3) and (4) of this condition in assessing the operation of the control device and associated control system.

(6) Record the results of each inspection, calibration and validation check.

(b) Operate and maintain the continuous monitoring system according to the monitoring plan required under 40 CFR § 60.4880.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from the requirements of Table 4 of 40 CFR Part 62 Subpart LLL.]

The permittee shall monitor the parameters listed below using the minimum frequencies as follows:

(a) Pressure drop across each wet scrubber:

- (1) Data measurement - continuously,
- (2) Data recording - every 15 minutes,
- (3) Data averaging period for compliance - 12 hour block

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(b) Scrubber liquid flow rate:

- (1) Data measurement - continuously,
- (2) Data recording - every 15 minutes,
- (3) Data averaging period for compliance - 12 hour block

(c) Scrubber liquid pH:

- (1) Data measurement - continuously,
- (2) Data recording - every 15 minutes,
- (3) Data averaging period for compliance - 3 hour block

(d) Temperature of the afterburner combustion chamber:

- (1) Data measurement - continuously,
- (2) Data recording - every 15 minutes,
- (3) Data averaging period for compliance - 12 hour block.

IV. RECORDKEEPING REQUIREMENTS.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the types and rates of the sludge charged to the incinerator.

A record shall be kept of all data pertaining to screening and sampling of waste streams as required by the above subcondition. The data, at a minimum, shall contain total solids and volatile solids content of the sludge charged to the incinerator.

029 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 503.47.]

The following records shall be kept:

- (a) the stack height for the sewage sludge incinerator;
- (b) the oxygen concentration and information used to measure moisture content in the exit gas from the sewage sludge incinerator stack;
- (c) the dispersion factor for the site where the sewage sludge incinerator is located;
- (d) the control efficiency for lead, arsenic, cadmium, chromium, and nickel; for the sewage sludge incinerator; and
- (e) the risk specific concentration for chromium calculated using formula (6), from 40 CFR § 503.43.

030 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The multiple hearth furnace shall be equipped with a multi-port temperature recorder or equivalent computer recording capabilities.

031 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following information shall be continuously recorded, when the incinerator is in operation:

- (a) natural gas usage shall be continuously monitored;
- (b) the pressure drop of the gas flow through each scrubber (packed bed and multi-venturi);
- (c) the exit gas temperature of the incinerator;
- (d) the negative furnace draft;
- (e) oxygen content of the off-gases at the furnace breach;
- (f) the temperature of each of the hearths, and the afterburner;

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- (g) the mass, or volume, of sludge charged to the incinerator (in wet tons per hour);
- (h) the position of the bypass damper; and
- (i) CO emissions, and averaged on a monthly basis.

[Compliance with the above demonstrates compliance with 40 CFR §§ 60.153 and 503.40.]

032 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If the bypass damper is opened to discharge the flue gases to the atmosphere due to loss of draft, the permittee shall record the date, time, and duration of such action in a logbook.

033 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following shall be continuously recorded when the incinerator is in operation:

- (a) pressure drop across the multi-venturi scrubber section and across the packed-bed scrubber section, utilizing a differential manometer, or equivalent, and
- (b) water flow rate to the multi-venturi scrubber and the packed-bed scrubber, utilizing a rotameter, or equivalent.

034 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 60 Subpart O, Part 62 Subpart LLL, 25 Pa. Code Sections 139.101 and 139.103.]

(a) The permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, current revision, 274-0300-001.

(b) Records shall be retained for at least 5 years and shall be made available to the Department upon request.

(c) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

035 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15900.]

The permittee shall maintain an onsite copy of the final control plan.

036 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15945.]

The permittee shall record the period when a qualified operator was not at the facility, cannot be at the facility within 1 hour, and was not accessible at any time.

037 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15950.]

The permittee shall maintain at the facility the documentation of the operator training procedures and make the documentation readily accessible to all SSI unit operators.

038 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15960(f) and § 62.16025(f)(3)(ii).]

SECTION D. Source Level Requirements

(a) The permittee shall keep a record of the daily average feed rate to the sewage sludge incinerator.

(b) The permittee shall keep a record of the daily average moisture content of the sewage sludge fed to the sewage sludge incinerator.

039 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16025.]

The permittee shall maintain the items (as applicable) specified in paragraphs (a) through (n) of this condition for a period of at least 5 years. All records must be available on site in either paper copy or computer-readable format that can be printed upon request, unless an alternative format is approved by the Administrator.

(a) Date. Calendar date of each record.

(b) Final Control Plan and Final Compliance. Copies of the final control plan and any additional notifications, reported under 40 CFR § 62.16030.

(c) Operator Training. Documentation of the operator training procedures and records specified in paragraphs (c)(1) through (4) of this condition. The permittee shall make available and readily accessible at the facility at all times for all SSI unit operators the documentation specified in paragraph (c)(1) of this condition.

(1) Documentation of the following operator training procedures and information:

(i) Summary of the applicable standards under 40 CFR Part 62 Subpart LLL

(ii) Procedures for receiving, handling and feeding sewage sludge.

(iii) Incinerator startup, shutdown, and malfunction preventative and corrective procedures.

(iv) Procedures for maintaining proper combustion air supply levels.

(v) Procedures for operating the incinerator and associated air pollution control systems within the standards established under this Subpart LLL.

(vi) Monitoring procedures for demonstrating compliance with the incinerator operating limits.

(vii) Reporting and recordkeeping procedures.

(viii) Procedures for handling ash.

(ix) A list of the materials burned during the performance test, if in addition to sewage sludge.

(x) For each qualified operator and other plant personnel who may operate the unit according to the provisions of 40 CFR § 62.15945(a), the phone and/or pager number at which they can be reached during operating hours.

(2) Records showing the names of SSI unit operators and other plant personnel who may operate the unit according to the provisions of 40 CFR § 62.15945(a), as follows:

(i) Records showing the names of SSI unit operators and other plant personnel who have completed review of the information in paragraph (c)(1) of this condition as required by 40 CFR § 62.15950(b), including the date of the initial review and all subsequent annual reviews.

(ii) Records showing the names of the SSI unit operators who have completed the operator training requirements under 40 CFR § 62.15920, met the criteria for qualification under 40 CFR § 62.15930, and maintained or renewed their qualification under 40 CFR § 62.15935 or 40 CFR § 62.15940. Records must include documentation of training, including

SECTION D. Source Level Requirements

the dates of their initial qualification and all subsequent renewals of such qualifications.

(3) Records showing the periods when no qualified operators were accessible for more than 8 hours, but less than 2 weeks, as required in 40 CFR § 62.15945(a).

(4) Records showing the periods when no qualified operators were accessible for 2 weeks or more along with copies of reports submitted as required in 40 CFR § 62.15945(b).

(d) Air pollution control device inspections. Records of the results of initial and annual air pollution control device inspections conducted as specified in 40 CFR §§ 62.15990 and 62.16015(c), including any required maintenance and any repairs not completed within 10 days of an inspection or the timeframe established by the Administrator.

(e) Performance test reports.

(1) The results of the initial, annual and any subsequent performance tests conducted to determine compliance with the emission limits and standards and/or to establish operating limits, as applicable.

(2) Retain a copy of the complete performance test report, including calculations.

(3) Keep a record of the hourly dry sludge feed rate measured during performance test runs as specified in 40 CFR § 62.16015(a)(2)(i).

(4) Keep any necessary records to demonstrate that the performance test was conducted under conditions representative of normal operations, including a record of the moisture content measured as required in 40 CFR § 62.16015(a)(2)(ii) for each grab sample taken of the sewage sludge burned during the performance test.

(f) Continuous monitoring data. Records of the following data, as applicable:

(1) For continuous emissions monitoring systems, all 1-hour average concentrations of particulate matter, hydrogen chloride, carbon monoxide, dioxins/furans total mass basis, mercury, nitrogen oxides, sulfur dioxide, cadmium and lead emissions.

(2) For continuous automated sampling systems, all average concentrations measured for mercury and dioxins/furans total mass basis at the frequencies specified in the monitoring plan.

(3) For continuous parameter monitoring systems:

(i) All 1-hour average values recorded for the following operating parameters, as applicable:

(A) Combustion chamber operating temperature (or afterburner temperature).

(B) If a wet scrubber is used to comply with the rule, pressure drop across each wet scrubber system and liquid flow rate to each wet scrubber used to comply with the emission limit in Table 3 to Subpart LLL for particulate matter, cadmium or lead and scrubber liquid flow rate and scrubber liquid pH for each wet scrubber used to comply with an emission limit in Table 3 to Subpart LLL for sulfur dioxide or hydrogen chloride.

(ii) All daily average values recorded for the feed rate and moisture content of the sewage sludge fed to the sewage sludge incinerator, monitored and calculated as specified in 40 CFR § 62.15960(f).

(iii) For other control devices for which the permittee must establish operating limits under 40 CFR § 62.15965, the permittee shall maintain data collected for all operating parameters used to determine compliance with the operating limits, at the frequencies specified in the monitoring plan.

(g) Other records for continuous monitoring systems. The permittee shall keep the following records, as applicable:

(1) Keep records of any notifications to the Administrator in 40 CFR § 60.4915(h)(1) of starting or stopping use of a

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continuous monitoring system for determining compliance with any emissions limit.

(2) Keep records of any requests under 40 CFR § 62.16015(b)(5) that compliance with the emission limits be determined using carbon dioxide measurements corrected to an equivalent of 7-percent oxygen.

(3) If activated carbon injection is used to comply with the rule, the type of sorbent used and any changes in the type of sorbent used.

(h) Deviation Reports. Records of any deviation reports submitted under 40 CFR § 62.16030(e) and (f).

(i) Equipment specifications and operation and maintenance requirements. Equipment specifications and related operation and maintenance requirements received from vendors for the incinerator, emission controls and monitoring equipment.

(j) Inspections, calibrations and validation checks of monitoring devices. Records of inspections, calibration and validation checks of any monitoring devices as required under 40 CFR §§ 62.16015 and 62.16020.

(k) Monitoring plan and performance evaluations for continuous monitoring systems. Records of the monitoring plans required under 40 CFR § 62.15995, and records of performance evaluations required under 40 CFR § 62.16000(b)(5).

(l) Less frequent testing. If, consistent with 40 CFR § 62.16000(a)(3), the permittee elects to conduct performance tests less frequently than annually, the permittee shall keep annual records that document that the emissions in the two previous consecutive years were at or below 75-percent of the applicable emission limit in Table 3 to Subpart LLL, and document that there were no changes in source operations or air pollution control equipment that would cause emissions of the relevant pollutant to increase within the past 2 years.

(m) Use of bypass stack. Records indicating use of the bypass stack, including dates, times and durations as required under 40 CFR § 62.16020(d).

(n) If a malfunction occurs, The permittee shall keep a record of the information submitted in the annual report in 40 CFR § 62.16030(c)(16).

V. REPORTING REQUIREMENTS.

040 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.155.]

The following shall be submitted to the USEPA on a semi-annual basis:

(a) the average scrubber pressure drop for each period of fifteen (15) minutes duration or more during which the pressure drop of the scrubber was less than, by a percentage prescribed by the formula below, the average scrubber pressure drop during the most recent performance test. The percent reduction for which a report is required is:

$$P = -111E + 72.15, \text{ where}$$

P = percent reduction, in pressure drop, and

E = average particulate matter emissions (kg/mega gram).

(b) a record of the average oxygen content in the incinerator exhaust gas for each period of 1-hour duration or more that the oxygen content of the incinerator exhaust gas exceeds the average oxygen content measured during the most recent performance test by more than 3%.

(c) decrease in scrubber pressure drop or increase in oxygen content of the exhaust gas:

(1) scrubber pressure drop averaged over each 1-hour incinerator operating period;

(2) oxygen content in the incinerator exhaust averaged over each 1-hour incinerator operating period;

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- (3) temperatures of every hearth averaged over each 1-hour incinerator operating period;
- (4) rate of sludge charged to the incinerator averaged over each 1-hour incinerator operating period;
- (5) incinerator fuel usage averaged over each 8-hour incinerator operating period; and
- (6) moisture and volatile solids content of the daily grab sample of sludge charged to the incinerator.

041 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 60 Subpart O, Part 62 Subpart LLL, 25 Pa. Code Sections 139.101 and 139.103.]

- (a) The permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, current revision, 274-0300-001.
- (b) The permittee shall report emissions for all periods of unit operation, including startup, shutdown and malfunction.
- (c) Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.
- (d) Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.
- (e) Failure to submit required reports of continuous emission monitoring within the time periods specified in this Condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.
- (f) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

042 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15875.]

The permittee shall submit a final control plan and achieve final compliance by March 21, 2016.

043 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15885.]

The notification of achievement of compliance must include the following three items:

- (a) Notification that the final control plan has been submitted and final compliance has been achieved;
- (b) Any items required to be submitted with the final control plan and final compliance; and
- (c) Signature of the owner or operator of the SSI unit.

044 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15890.]

Notifications for achieving compliance must be postmarked no later than 10 business days after the compliance date of March 21, 2016.

045 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15895.]

If the permittee fails to submit a final control plan and achieve final compliance, the permittee shall submit a notification to

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the Administrator postmarked within 10 business days after the compliance date in Table 1 to this subpart (March 21, 2016). The permittee shall inform the Administrator that the permittee did not achieve compliance, and the permittee shall continue to submit reports each subsequent calendar month until a final control plan is submitted and final compliance is met. An SSI unit that operates out of compliance after the final compliance date would be in violation of the federal plan and subject to enforcement action.

046 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15900.]

For the control plan, the permittee shall satisfy the following two requirements:

(a) Submit the final control plan to the EPA regional office and permitting authority or delegated authority that includes the four items described in paragraphs (a)(1) through (4) of this condition:

- (1) A description of the devices for air pollution control and process changes that will be used to comply with the emission limits and standards and other requirements of 40 CFR Part 62 Subpart LLL;
- (2) The type(s) of waste to be burned, if waste other than sewage sludge is burned in the unit;
- (3) The maximum design sewage sludge burning capacity; and
- (4) If applicable, the petition for site-specific operating limits under 40 CFR § 62.15965.

(b) Maintain an onsite copy of the final control plan.

047 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15995(d).]

The permittee shall submit a monitoring plan specifying the ash handling system operating procedures followed to ensure that the permittee will meet the fugitive emissions limit specified in Table 3 to 40 CFR Part 62 Subpart LLL. The permittee shall submit the monitoring plan for the ash handling system at least 60 days before the initial compliance test date.

048 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15995(f) and (h).]

The permittee shall submit the monitoring plans at least 60 days before the initial performance evaluation of the continuous monitoring system(s).

The permittee shall update and resubmit the monitoring plan if there are any changes or potential changes in the monitoring procedures or if there is a process change, as defined in 40 CFR § 62.16045.

049 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16030.]

The permittee shall submit the reports to the Administrator specified in paragraphs (a) through (i) of this condition.

(a) Final control plan and final compliance report. The permittee shall submit the following reports, as applicable:

- (1) A final control plan as specified in 40 CFR §§ 62.15875 and 62.15900.
- (2) The permittee shall submit the notification of achievement of submitting the final control plan and achieving final compliance no later than 10 business days after the compliance date as specified in 40 CFR §§ 62.15885 and 62.15890.
- (3) If the permittee fails to submit the final control plan and achieve final compliance, the permittee shall submit a notification to the Administrator postmarked within 10 business days after the compliance date of March 21, 2016.

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(4) If the permittee plans to close the SSI unit rather than comply with the federal plan, submit a closure notification as specified in 40 CFR § 62.15915.

(b) Initial compliance report. The permittee shall submit the following information no later than 60 days following the initial performance test.

(1) Company name, physical address and mailing address.

(2) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.

(3) Date of report.

(4) The complete test report for the initial performance test results obtained by using the test methods specified in Table 3 to 40 CFR Part 62 Subpart LLL.

(5) If an initial performance evaluation of a continuous monitoring system was conducted, the results of that initial performance evaluation.

(6) The values for the site-specific operating limits established pursuant to 40 CFR §§ 62.15960 and 62.15965 and the calculations and methods, as applicable, used to establish each operating limit.

(7) The results of the initial air pollution control device inspection required in 40 CFR § 62.15990, including a description of repairs.

(8) The site-specific monitoring plan required under 40 CFR § 62.15995, at least 60 days before the initial performance evaluation of the continuous monitoring system.

(9) The site-specific monitoring plan for the ash handling system required under 40 CFR § 62.15995, at least 60 days before the initial performance test to demonstrate compliance with the fugitive ash emission limit.

(c) Annual compliance report. The permittee shall submit an annual compliance report that includes the items listed in paragraphs (c)(1) through (15) of this condition for the reporting period specified in paragraph (c)(3) of this section. The permittee shall submit the first annual compliance report no later than 12 months following the submission of the initial compliance report in paragraph (b) of this condition. The permittee shall submit subsequent annual compliance reports no more than 12 months following the previous annual compliance report.

(1) Company name, physical address and mailing address.

(2) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If a performance test was conducted during the reporting period, the results of that performance test.

(i) If operating limits were established during the performance test, include the value for each operating limit and, as applicable, the method used to establish each operating limit, including calculations.

(5) For each pollutant and operating parameter recorded using a continuous monitoring system, the highest average value and lowest average value recorded during the reporting period, as follows:

(i) For continuous emission monitoring systems and continuous automated sampling systems, report the highest and lowest 24-hour average emission value.

(ii) For continuous parameter monitoring systems, report the following values:

SECTION D. Source Level Requirements

(A) For all operating parameters except scrubber liquid pH, the highest and lowest 12-hour average values.

(B) For scrubber liquid pH, the highest and lowest 3-hour average values.

(6) If there are no deviations during the reporting period from any emission limit, emission standard or operating limit that applies to the permittee, a statement that there were no deviations from the emission limits, emission standard or operating limits.

(7) If a performance evaluation of a continuous monitoring system was conducted, the results of that performance evaluation. If new operating limits were established during the performance evaluation, include the calculations for establishing those operating limits.

(8) If the permittee elects to conduct performance tests less frequently as allowed in 40 CFR § 62.16000(a)(3) and did not conduct a performance test during the reporting period, the permittee shall include the dates of the last two performance tests, a comparison of the emission level achieved in the last two performance tests to the 75-percent emission limit threshold specified in 40 CFR § 62.16000(a)(3), and a statement as to whether there have been any process changes and whether the process change resulted in an increase in emissions.

(9) Documentation of periods when all qualified sewage sludge incineration unit operators were unavailable for more than 8 hours, but less than 2 weeks.

(10) Results of annual air pollution control device inspections recorded under 40 CFR § 62.16025(d) for the reporting period, including a description of repairs.

(11) If there were no periods during the reporting period when the continuous monitoring systems had a malfunction, a statement that there were no periods during which the continuous monitoring systems had a malfunction.

(12) If there were no periods during the reporting period when a continuous monitoring system was out of control, a statement that there were no periods during which the continuous monitoring systems were out of control.

(13) If there were no operator training deviations, a statement that there were no such deviations during the reporting period.

(14) If the permittee did not make revisions to the site-specific monitoring plan during the reporting period, a statement that no revisions were made to the site-specific monitoring plan during the reporting period. If revisions were made to the site-specific monitoring plan during the reporting period, a copy of the revised plan.

(15) If the permittee had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction that occurred during the reporting period and that caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with 40 CFR § 60.11(d), including actions taken to correct a malfunction.

(d) Deviation reports.

(1) The permittee shall submit a deviation report if:

(i) Any recorded operating parameter level, based on the averaging time specified in Table 4 to Subpart LLL is above the maximum operating limit or below the minimum operating limit established under Subpart LLL.

(ii) Any recorded 24-hour block average emissions level is above the emission limit, if a continuous monitoring system is used to comply with an emission limit.

(iii) There are visible emissions of combustion ash from an ash conveying system for more than 5-percent of any compliance test hourly observation period.

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(iv) A performance test was conducted that deviated from any emission limit in Table 3 to Subpart LLL.

(v) A continuous monitoring system was out of control.

(vi) The permittee had a malfunction (e.g., continuous monitoring system malfunction) that caused or may have caused any applicable emission limit to be exceeded.

(2) The deviation report must be submitted by August 1 of that year for data collected during the first half of the calendar year (January 1 to June 30), and by February 1 of the following year for data collected during the second half of the calendar year (July 1 to December 31).

(3) For each deviation where a continuous monitoring system is used to comply with an associated emission limit or operating limit, report the items described in paragraphs (d)(3)(i) through (vii) of this section.

(i) Company name, physical address and mailing address.

(ii) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.

(iii) The calendar dates and times the unit deviated from the emission limits, emission standards or operating limits requirements.

(iv) The averaged and recorded data for those dates.

(v) Duration and cause of each deviation from the following:

(A) Emission limits, emission standards, operating limits and the corrective actions.

(B) Bypass events and the corrective actions.

(vi) Dates, times and causes for monitor downtime incidents.

(vii) A copy of the operating parameter monitoring data during each deviation and any test report that documents the emission levels.

(viii) If there were periods during which the continuous monitoring system malfunctioned or was out of control, the permittee shall include the following information for each deviation from an emission limit or operating limit:

(A) The date and time that each malfunction started and stopped.

(B) The date, time and duration that each continuous monitoring system was inoperative, except for zero (low-level) and high-level checks.

(C) The date, time and duration that each continuous monitoring system was out of control, including start and end dates and hours and descriptions of corrective actions taken.

(D) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction, during a period when the system was out of control or during another period.

(E) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

(F) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes and other unknown causes.

(G) A summary of the total duration of continuous monitoring system downtime during the reporting period, and the

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total duration of continuous monitoring system downtime as a percent of the total operating time of the SSI unit at which the continuous monitoring system downtime occurred during that reporting period.

(H) An identification of each parameter and pollutant that was monitored at the SSI unit.

(I) A brief description of the SSI unit.

(J) A brief description of the continuous monitoring system.

(K) The date of the latest continuous monitoring system certification or audit.

(L) A description of any changes in continuous monitoring system, processes, or controls since the last reporting period.

(4) For each deviation where the permittee was not using a continuous monitoring system to comply with the associated emission limit or operating limit, report the following items:

(i) Company name, physical address and mailing address.

(ii) Statement by a responsible official, with that official's name, title and signature, certifying the accuracy of the content of the report.

(iii) The total operating time of each affected source during the reporting period.

(iv) The calendar dates and times the unit deviated from the emission limits, emission standards or operating limits requirements.

(v) The averaged and recorded data for those dates.

(vi) Duration and cause of each deviation from the following:

(A) Emission limits, emission standards, operating limits and the corrective actions.

(B) Bypass events and the corrective actions.

(vii) A copy of any performance test report that showed a deviation from the emission limits or standards.

(viii) A brief description of any malfunction reported in paragraph (d)(1)(vii) of this condition, including a description of actions taken during the malfunction to minimize emissions in accordance with 40 CFR § 60.11(d) and to correct the malfunction.

(e) Qualified operator deviation.

(1) If all qualified operators are not accessible for 2 weeks or more, the permittee shall take the two actions in paragraphs (e)(1)(i) and (ii) of this condition.

(i) Submit a notification of the deviation within 10 days that includes the three items in paragraphs (e)(1)(i)(A) through (C) of this condition.

(A) A statement of what caused the deviation.

(B) A description of actions taken to ensure that a qualified operator is accessible.

(C) The date when the permittee anticipates that a qualified operator will be available.

(ii) Submit a status report to the Administrator every 4 weeks that includes the three items in paragraphs (e)(1)(ii)(A)

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through (C) of this condition.

(A) A description of actions taken to ensure that a qualified operator is accessible.

(B) The date when the permittee anticipates that a qualified operator will be accessible.

(C) Request for approval from the Administrator to continue operation of the SSI unit.

(2) If the SSI unit was shut down by the Administrator, under the provisions of 40 CFR § 62.15945(b)(2)(i), due to a failure to provide an accessible qualified operator, the permittee shall notify the Administrator within five days of meeting 40 CFR § 62.15945(b)(2)(ii) that the permittee resumes operation.

(f) Notification of a force majeure. If a force majeure is about to occur, occurs, or has occurred for which the permittee intends to assert a claim of force majeure:

(1) The permittee shall notify the Administrator, in writing as soon as practicable following the date the permittee first knew, or through due diligence, should have known that the event may cause or caused a delay in conducting a performance test beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification must occur as soon as practicable.

(2) The permittee shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in conducting the performance test beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the permittee proposes to conduct the performance test.

(g) Other notifications and reports required. The permittee shall submit other notifications as provided by 40 CFR § 60.7 and as follows:

(1) The permittee shall notify the Administrator 1 month before starting or stopping use of a continuous monitoring system for determining compliance with any emission limit.

(2) The permittee shall notify the Administrator at least 30 days prior to any performance test conducted to comply with the provisions of this subpart, to afford the Administrator the opportunity to have an observer present.

(3) As specified in 40 CFR § 62.16015(a)(8), the permittee shall notify the Administrator at least 7 days prior to the date of a rescheduled performance test for which notification was previously made in paragraph (g)(2) of this condition.

(h) Report submission form.

(1) Submit initial, annual and deviation reports electronically or in paper format, postmarked on or before the submittal due dates.

(2) Submit performance tests and evaluations according to paragraphs (i) and (ii) below.

(i) Within 60 days after the date of completing each performance test required by 40 CFR Part 62 Subpart LLL, the permittee shall submit the results of the performance test according to the method specified by either paragraph (A) or (B) of this condition.

(A) For data collected using test methods supported by the EPA's Electronic Reporting Tool (ERT) as listed on the EPA's ERT Web site (<http://www.epa.gov/ttn/chief/ert/index.html>), at the time of the test, the permittee shall submit the results of the performance test to the Compliance and Emissions Data Reporting Interface (CEDRI). (CEDRI can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>.) Performance test data must be submitted in a file format generated through the use of the EPA's ERT or an alternate electronic file format consistent with the extensible markup language (XML) schema listed on the EPA's ERT Web site. If the permittee claims that some of the performance test information being transmitted is confidential business information (CBI), the permittee shall submit a complete file

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generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disk, flash drive, or other commonly used electronic storage media to the EPA. The electronic media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph.

(B) For data collected using test methods that are not supported by the EPA's ERT as listed on the EPA's ERT website, the permittee shall submit the results of the performance test to the Administrator at the appropriate address listed in 40 CFR § 60.4.

(ii) Within 60 days after the date of completing each CEMS performance evaluation (as defined in 40 CFR § 63.2), the permittee submit the results of the performance evaluation according to the method specified by either paragraph (A) or (B) of this condition.

(A) For performance evaluations of continuous monitoring systems measuring relative accuracy test audit (RATA) pollutants that are supported by the EPA's ERT as listed on the EPA's ERT website, the permittee shall submit the results of the performance evaluation via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) Performance evaluation data must be submitted in a file format generated through the use of the EPA's ERT or an alternate file format consistent with the XML schema listed on the EPA's ERT Web site. If the permittee claims that some of the performance evaluation information being transmitted is CBI, the permittee shall submit a complete file generated through the use of the EPA's ERT or an alternate electronic file consistent with the XML schema listed on the EPA's ERT Web site, including information claimed to be CBI, on a compact disk, flash drive, or other commonly used electronic storage media to the EPA. The electronic storage media must be clearly marked as CBI and mailed to U.S. EPA/OAQPS/CORE CBI Office, Attention: Group Leader, Measurement Policy Group, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT or alternate file with the CBI omitted must be submitted to the EPA via CDX as described earlier in this paragraph.

(B) For any performance evaluations of continuous monitoring systems measuring RATA pollutants that are not supported by the EPA's ERT as listed on the EPA's ERT website, the permittee shall submit the results of the performance evaluation to the Administrator at the appropriate address listed in 40 CFR § 60.4.

(3) Changing report dates. If the Administrator agrees, the permittee may change the semiannual or annual reporting dates.

VI. WORK PRACTICE REQUIREMENTS.

050 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The CEM system shall be operated and maintained to achieve the following data availability standards:

- (a) CO and oxygen - greater than or equal to 90% valid operating hours/calendar quarter;
- (b) opacity - greater than or equal to 90% valid operating hours/month;
- (c) NOx - greater than or equal to 90% valid operating hours/month.

Where a valid operating hour is greater than or equal to 75% valid readings (45 minutes/hour).

051 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The CEM systems for carbon monoxide, oxygen, NOx, and opacity shall be operated, and maintained in accordance with the requirements of Chapter 139 of the Rules and Regulations of the Pennsylvania Department of Environmental Protection.

052 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The top hearth of this furnace consists of two (2) burners, each rated at 4.4 MMBtu/hr. These burners may also be used for combustion assistance, when needed. These burners are in addition to the six (6) burners installed in the primary combustion chamber.

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Sufficient lower hearth burners shall be operated when the furnace is in warm stand-by after all sludge has been incinerated.

053 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The temperature of the furnace shall be a minimum of 1300°F before any sludge is charged into the furnace. After the last charge is fed into the furnace, the furnace shall remain heated until the final charge is burned. The secondary chamber temperature shall also remain operational during this period.

When the furnace is not burning sludge, it shall be maintained in a warm standby, except when the furnace is down due to malfunction or scheduled maintenance.

[Compliance with this condition streamlines compliance with the requirements of 40 CFR Part 62 Section 15960(a).]

054 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A furnace draft control shall maintain a negative pressure in the furnace.

055 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The emergency bypass damper shall be equipped with automatic controls to open this damper in an emergency situation. A position indicator and modulating control shall be provided on this damper to regulate the draft under a natural draft condition.

056 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the control of particulate matter, a packed tower scrubber section followed by a multi-venturi scrubber section shall be installed.

057 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A two-stage scrubber/after cooler shall be used to condense water vapor in the flue gases leaving the quench section.

058 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A chevron type mist eliminator shall be used at the exit of the after cooler.

059 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Two (2) low-NO_x natural gas fired burners, each with 8 MMBtu/hr rated capacity, are installed at the top of the afterburner chamber.

060 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A shell-and-tube type heat exchanger shall preheat the flue gas prior to the afterburner.

061 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The afterburner shall be equipped with two (2) thermocouples for temperature sensing and recording.

062 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall follow the guidelines of its Exhibits I and II, "Emergency Shutdown Conditions and Emergency Shutdown Sequence", as submitted to the Department on May 19, 1998, with the Plan Approval Application, and any amendments thereto for malfunctions related to the multiple hearth furnace and associated control devices.

SECTION D. Source Level Requirements

063 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR Part 60 Subpart O and 40 CFR Part 62 Subpart LLL, and 25 Pa. Code Sections 139.101.]

(a) Continuous Emission Monitoring Systems and components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, current revision, 274-0300-001.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

064 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15905.]

For achieving final compliance with the requirements of 40 CFR Part 62 Subpart LLL, the permittee shall complete all process changes and retrofit construction of control devices, as specified in the final control plan, so that, if the affected SSI unit is brought online, all necessary process changes and air pollution control devices would operate as designed.

065 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15920.]

(a) An SSI unit cannot be operated unless a fully trained and qualified SSI unit operator is accessible, either at the facility or can be at the facility within 1 hour. The trained and qualified SSI unit operator may operate the SSI unit directly or be the direct supervisor of one or more other plant personnel who operate the unit. If all qualified SSI unit operators are temporarily not accessible, the permittee shall follow the procedures in 40 CFR § 62.15945.

(b) Operator training and qualification must be obtained through a state-approved program or by completing the requirements included in paragraph (c) of this condition.

(c) Training must be obtained by completing an incinerator operator training course that includes, at a minimum, the three elements described in paragraphs (c)(1) through (3) of this condition:

(1) Training on the 10 subjects listed in paragraphs (c)(1)(i) through (x) of this condition:

- (i) Environmental concerns, including types of emissions;
- (ii) Basic combustion principles, including products of combustion;
- (iii) Operation of the specific type of incinerator to be used by the operator, including proper startup, sewage sludge feeding and shutdown procedures;
- (iv) Combustion controls and monitoring;
- (v) Operation of air pollution control equipment and factors affecting performance (if applicable);
- (vi) Inspection and maintenance of the incinerator and air pollution control devices;
- (vii) Actions to prevent malfunctions or to prevent conditions that may lead to malfunctions;
- (viii) Bottom and fly ash characteristics and handling procedures;
- (ix) Applicable federal, state and local regulations, including Occupational Safety and Health Administration workplace standards; and
- (x) Pollution prevention.

(2) An examination designed and administered by the state-approved program or instructor administering the subjects in paragraph (c)(1) of this condition.

(3) Written material covering the training course topics that may serve as reference material following completion of the course.

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066 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15925.]

The operator training course must be completed by the later of the following dates:

- (a) The final compliance date of March 21, 2016;
- (b) Six months after SSI unit startup; and
- (c) Six months after an employee assumes responsibility for operating the SSI unit or assumes responsibility for supervising the operation of the SSI unit.

067 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15930.]

- (a) The permittee shall obtain operator qualification by completing a training course that satisfies the criteria under 40 CFR § 62.15920(b).
- (b) Qualification is valid from the date on which the training course is completed and the operator successfully passes the examination required under 40 CFR § 62.15920(c)(2).

068 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15935.]

To maintain qualification, the permittee shall complete an annual review or refresher course covering, at a minimum, the five topics described in paragraphs (a) through (e) of this condition:

- (a) Update of regulations;
- (b) Incinerator operation, including startup and shutdown procedures, sewage sludge feeding and ash handling;
- (c) Inspection and maintenance;
- (d) Prevention of malfunctions or conditions that may lead to malfunction; and
- (e) Discussion of operating problems encountered by attendees.

069 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15940.]

The permittee shall renew a lapsed operator qualification before beginning operation of an SSI unit by one of the two methods specified in paragraphs (a) and (b) of this condition:

- (a) For a lapse of less than 3 years, the permittee shall complete a standard annual refresher course described in 40 CFR § 62.15935; and
- (b) For a lapse of 3 years or more, the permittee shall repeat the initial qualification requirements in 40 CFR § 62.15920.

070 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15945.]

If a qualified operator is not at the facility and cannot be at the facility within 1 hour, the permittee shall meet the criteria specified in either paragraph (a) or (b) of this condition, depending on the length of time that a qualified operator is not accessible:

- (a) When a qualified operator is not accessible for more than 8 hours, the SSI unit may be operated for less than 2 weeks by other plant personnel who are familiar with the operation of the SSI unit and who have completed a review of the information

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specified in 40 CFR § 62.15950 within the past 12 months. However, the permittee shall record the period when a qualified operator was not accessible and include this deviation in the annual report as specified under 40 CFR § 62.16030(c).

(b) When a qualified operator is not accessible for 2 weeks or more, the permittee shall take the two actions that are described in paragraphs (b)(1) and (2) of this condition:

(1) Notify the Administrator of this deviation in writing within 10 days. In the notice, state what caused this deviation, what the permittee is doing to ensure that a qualified operator is accessible, and when a qualified operator will be accessible is anticipated; and

(2) Submit a status report to the Administrator every 4 weeks outlining what the permittee is doing to ensure that a qualified operator is accessible, stating when a qualified operator will be accessible is anticipated and requesting approval from the Administrator to continue operation of the SSI unit. The permittee shall submit the first status report 4 weeks after notification to the Administrator of the deviation under paragraph (b)(1) of this condition:

(i) If the Administrator notifies the permittee that the request to continue operation of the SSI unit is disapproved, the SSI unit may continue operation for 30 days and then must cease operation; and

(ii) Operation of the unit may resume if a qualified operator is accessible as required under 40 CFR § 62.15920(a). The permittee shall notify the Administrator within 5 days of having resumed operations and of having a qualified operator accessible.

071 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15950.]

The permittee shall establish a program for reviewing the information contained in the incinerator operator training course as listed in 40 CFR § 62.15920(c)(1) with each qualified incinerator operator and other plant personnel who may operate the unit according to the following schedule:

(a) The initial review of the information contained in the incinerator operator training course as listed in 40 CFR § 62.15920(c)(1) must be conducted within six (6) months after the effective date of 40 CFR Part 62 Subpart LLL or prior to an employee's assumption of responsibilities for operation of the SSI unit, whichever date is later.

(b) Subsequent annual reviews of the information contained in the incinerator operator training course as listed in 40 CFR § 62.15920(c)(1) must be conducted no later than 12 months following the previous review.

072 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15960(d).]

The permittee shall meet the operating requirements in the site-specific fugitive emission monitoring plan to ensure that the ash handling system will meet the emission standard for fugitive emissions from ash handling.

073 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15970.]

The emission limits and standards of 40 CFR Part 62 Subpart LLL apply at all times and during periods of malfunction. The operating limits apply at all times that sewage sludge is in the combustion chamber (i.e., until the sewage sludge feed to the combustor has been cut off for a period of time not less than the sewage sludge incineration residence time). For determining compliance with the CO concentration limit using CO CEMS, the correction to 7-percent oxygen does not apply during periods of startup or shutdown. Use the measured CO concentration without correcting for oxygen concentration in averaging with other CO concentrations (corrected to 7-percent O₂) to determine the 24-hour average value.

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074 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15990, § 62.16015(c), and § 62.16010.]

(a) By March 21, 2016, and annually thereafter, the permittee shall conduct an air pollution control device inspection that includes the following, at a minimum:

- (1) Inspect air pollution control device(s) for proper operation.
- (2) Generally observe that the equipment is maintained in good operating condition.
- (3) Develop a site-specific monitoring plan according to the requirements in 40 CFR § 62.15995.

(b) Within 10 operating days following the air pollution control device inspection, all necessary repairs must be completed unless a written approval from the Administrator is obtained establishing a date whereby all necessary repairs of the SSI unit must be completed.

(c) The annual inspection shall be no later than 12 months following the previous annual air pollution control device inspection.

075 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15995.]

(a) The permittee shall develop a site-specific monitoring plan for each continuous monitoring system required under 40 CFR Part 62 Subpart LLL. The monitoring plan must address the elements and requirements specified in paragraphs (a)(1) through (8) of this condition.

(1) Installation of the continuous monitoring system sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of control of the exhaust emissions (e.g., on or downstream of the last control device).

(2) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer and the data collection and reduction systems.

(3) Performance evaluation procedures and acceptance criteria (e.g., calibrations).

(i) For continuous emissions monitoring systems, the performance evaluation and acceptance criteria must include, but is not limited to, the following:

(A) The applicable requirements for continuous emissions monitoring systems specified in 40 CFR § 60.13.

(B) The applicable performance specifications (e.g., relative accuracy tests) in appendix B of 40 CFR Part 60.

(C) The applicable procedures (e.g., quarterly accuracy determinations and daily calibration drift tests) in appendix F of 40 CFR Part 60.

(D) A discussion of how the occurrence and duration of out-of-control periods will affect the suitability of CEMS data, where out-of control has the meaning given in paragraph (a)(7)(i) of this condition.

(ii) For continuous parameter monitoring systems, the performance evaluation and acceptance criteria must include, but is not limited to, the following:

(A) If an operating limit requires the use of a flow monitoring system, the permittee shall meet the requirements in paragraphs (a)(3)(ii)(A)(1) through (4) of this condition.

(1) Install the flow sensor and other necessary equipment in a position that provides a representative flow.

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(2) Use a flow sensor with a measurement sensitivity of no greater than 2-percent of the expected process flow rate.

(3) Minimize the effects of swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.

(4) Conduct a flow monitoring system performance evaluation in accordance with the monitoring plan at the time of each performance test but no less frequently than annually.

(B) If an operating limit requires the use of a pressure monitoring system, the permittee shall meet the requirements in paragraphs (a)(3)(ii)(B)(1) through (6) of this condition:

(1) Install the pressure sensor(s) in a position that provides a representative measurement of the pressure (e.g., particulate matter scrubber pressure drop).

(2) Minimize or eliminate pulsating pressure, vibration, and internal and external corrosion.

(3) Use a pressure sensor with a minimum tolerance of 1.27 centimeters of water or a minimum tolerance of 1-percent of the pressure monitoring system operating range, whichever is less.

(4) Perform checks at least once each process operating day to ensure pressure measurements are not obstructed (e.g., check for pressure tap pluggage daily).

(5) Conduct a performance evaluation of the pressure monitoring system in accordance with the monitoring plan at the time of each performance test but no less frequently than annually.

(6) If at any time the measured pressure exceeds the manufacturer's specified maximum operating pressure range, conduct a performance evaluation of the pressure monitoring system in accordance with the monitoring plan and confirm that the pressure monitoring system continues to meet the performance requirements in the monitoring plan. Alternatively, install and verify the operation of a new pressure sensor.

(C) If an operating limit requires a pH monitoring system, the permittee shall meet the requirements in paragraphs (a)(3)(ii)(C)(1) through (4) of this condition.

(1) Install the pH sensor in a position that provides a representative measurement of scrubber effluent pH.

(2) Ensure the sample is properly mixed and representative of the fluid to be measured.

(3) Conduct a performance evaluation of the pH monitoring system in accordance with the monitoring plan at least once each process operating day.

(4) Conduct a performance evaluation (including a two-point calibration with one of the two buffer solutions having a pH within 1 of the operating limit pH level) of the pH monitoring system in accordance with the monitoring plan at the time of each performance test but no less frequently than quarterly.

(D) If an operating limit requires the use of a temperature measurement device, the permittee shall meet the requirements in paragraphs (a)(3)(ii)(D)(1) through (4) of this condition.

(1) Install the temperature sensor and other necessary equipment in a position that provides a representative temperature.

(2) Use a temperature sensor with a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit), or 1.0-percent of the temperature value, whichever is larger, for a noncryogenic temperature range.

(3) Use a temperature sensor with a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit), or 2.5-percent of the temperature value, whichever is larger, for a cryogenic temperature range.

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(4) Conduct a temperature measurement device performance evaluation at the time of each performance test but no less frequently than annually.

(4) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR § 60.11(d).

(5) Ongoing data quality assurance procedures in accordance with the general requirements of § 40 CFR 60.13.

(6) Ongoing recordkeeping and reporting procedures in accordance with the general requirements of 40 CFR § 60.7(b), (c), (c)(1), (c)(4), (d), (e), (f) and (g).

(7) Provisions for periods when the continuous monitoring system is out of control, as follows:

(i) A continuous monitoring system is out of control if the conditions of paragraph (a)(7)(i)(A) or (i)(B) of this section are met.

(A) The zero (low-level), mid-level (if applicable), or high-level calibration drift exceeds two times the applicable calibration drift specification in the applicable performance specification or in the relevant standard.

(B) The continuous monitoring system fails a performance test audit (e.g., cylinder gas audit), relative accuracy audit, relative accuracy test audit or linearity test audit.

(ii) When the continuous monitoring system is out of control as specified in paragraph (a)(7)(i) of this condition, the permittee shall take the necessary corrective action and shall repeat all necessary tests that indicate that the system is out of control. The permittee shall take corrective action and conduct retesting until the performance requirements are below the applicable limits. The beginning of the out-of-control period is the hour the permittee conducts a performance check (e.g., calibration drift) that indicates an exceedance of the performance requirements established under 40 CFR Part 62 Subpart LLL. The end of the out-of-control period is the hour following the completion of corrective action and successful demonstration that the system is within the allowable limits.

(8) Schedule for conducting initial and periodic performance evaluations of the continuous monitoring systems.

(b) The permittee shall operate and maintain the continuous monitoring system in continuous operation according to the site-specific monitoring plan.

076 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15995(c).]

The permittee shall conduct an initial performance evaluation of each continuous monitoring system, as applicable, in accordance with the monitoring plan and to 40 CFR § 60.13(c). The initial performance evaluation of each continuous monitoring system shall be conducted within 60 days of installation of the monitoring system.

077 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15960.]

(a) The permittee shall meet, as applicable, the operating limits and requirements specified 40 CFR § 62.15960(a), (b) and (d).

(b) The operating limits apply at all times that sewage sludge is in the combustion chamber (i.e., until the sewage sludge feed to the combustor has been cut off for a period of time not less than the sewage sludge incineration residence time).

(c) The permittee shall meet any new operating limits and requirements re-established as applicable, in accordance with 40 CFR § 62.16005(d).

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078 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15985.]

(a) The permittee shall establish the site-specific operating limits specified as follows during the initial performance tests:

(1) Minimum pressure drop across each wet scrubber used to meet the particulate matter, lead and cadmium emission limits in Table 3 to 40 CFR Part 62 Subpart LLL, equal to the lowest 4-hour average pressure drop across each such wet scrubber measured during the most recent performance test demonstrating compliance with the particulate matter, lead and cadmium emission limits.

(2) Minimum scrubber liquid flow rate (measured at the inlet to each wet scrubber), equal to the lowest 4-hour average liquid flow rate measured during the most recent performance test demonstrating compliance with all applicable emission limits.

(3) Minimum scrubber liquid pH for each wet scrubber used to meet the sulfur dioxide or hydrogen chloride emission limits in Table 3 to 40 CFR Part 62 Subpart LLL, equal to the lowest 1-hour average scrubber liquid pH measured during the most recent performance test demonstrating compliance with the sulfur dioxide and hydrogen chloride emission limits.

(4) Minimum afterburner temperature equal to the lowest 4-hour average afterburner temperature measured during the most recent performance test demonstrating compliance with all applicable emission limits.

(b) The permittee shall confirm these operating limits or re-establish new operating limits using operating data recorded during any performance tests or performance evaluations as applicable.

079 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16000.]

To demonstrate continuous compliance with the emission limits and standards specified in Table 3 to 40 CFR Part 62 Subpart LLL, the permittee shall use the procedures specified in paragraph (a) of this condition. In lieu of using the procedures specified in paragraph (a) of this condition, the permittee has the option to demonstrate initial compliance using the procedures specified in paragraph (b) of this condition for particulate matter, hydrogen chloride, carbon monoxide, dioxins/furans (total mass basis or toxic equivalency basis), mercury, nitrogen oxides, sulfur dioxide, cadmium, lead and fugitive emissions from ash handling.

(a) Demonstrate continuous compliance using a performance test: Except as provided in paragraphs (a)(3) and (d) of this condition, following the date that the initial performance test for each pollutant in Table 3 to 40 CFR Part 62 Subpart LLL is completed, the permittee shall conduct a performance test for each such pollutant on an annual basis (between 11 and 13 calendar months following the previous performance test). The performance test must be conducted using the test methods, averaging methods, and minimum sampling volumes or durations specified in Table 3 to 40 CFR Part 62 Subpart LLL and according to the testing, monitoring and calibration requirements specified in 40 CFR § 62.16015(a).

(1) The permittee may conduct a repeat performance test at any time to establish new values for the operating limits to apply from that point forward. The Administrator may request a repeat performance test at any time.

(2) The permittee shall repeat the performance test within 60 days of a process change, as defined in 40 CFR § 62.16045.

(3) Except as specified in paragraphs (a)(1) and (2) of this condition, the permittee may conduct performance tests less often for a given pollutant, as specified in paragraphs (a)(3)(i) through (iii) of this condition.

(i) The permittee can conduct performance tests less often if the performance tests for the pollutant for at least 2 consecutive years show that emissions are at or below 75-percent of the emission limit specified in Table 3, and there are no changes in the operation of the affected source or air pollution control equipment that could increase emissions. In this case, the permittee does not have to conduct a performance test for that pollutant for the next 2 years. The permittee shall

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conduct a performance test during the third year and no more than 37 months after the previous performance test.

(ii) If the SSI unit continues to meet the emission limit for the pollutant, the permittee may choose to conduct performance tests for the pollutant every third year if the emissions are at or below 75-percent of the emission limit, and if there are no changes in the operation of the affected source or air pollution control equipment that could increase emissions, but each such performance test must be conducted no more than 37 months after the previous performance test.

(iii) If a performance test shows emissions exceeded 75-percent of the emission limit for a pollutant, the permittee shall must conduct annual performance tests for that pollutant until all performance tests over 2 consecutive years show compliance.

(b) Demonstrate continuous compliance using a continuous emissions monitoring system or continuous automated sampling system: The option to use a continuous emissions monitoring system for hydrogen chloride, dioxins/furans, cadmium or lead takes effect on the date a final performance specification applicable to hydrogen chloride, dioxins/furans, cadmium or lead is published in the Federal Register. The option to use a continuous automated sampling system for dioxins/furans takes effect on the date a final performance specification for such a continuous automated sampling system is published in the Federal Register. Collect data as specified in 40 CFR § 62.16015(b)(6) and use the following procedures:

(1) To demonstrate continuous compliance with the emission limits for particulate matter, hydrogen chloride, carbon monoxide, dioxins/furans (total mass basis or toxic equivalency basis), mercury, nitrogen oxides, sulfur dioxide, cadmium and lead, the permittee may substitute the use of a continuous monitoring system in lieu of conducting the annual performance test required in paragraph (a) of this condition, as follows:

(i) The permittee may substitute the use of a continuous emissions monitoring system for any pollutant specified in paragraph (b)(1) of this condition in lieu of conducting the annual performance test for that pollutant in paragraph (a) of this condition. For determining compliance with the carbon monoxide concentration limit using carbon monoxide CEMS, the correction to 7-percent oxygen does not apply during periods of startup or shutdown. Use the measured carbon monoxide concentration without correcting for oxygen concentration in averaging with other carbon monoxide concentrations (corrected to 7-percent oxygen) to determine the 24-hour average value.

(ii) The permittee may substitute the use of a continuous automated sampling system for mercury or dioxins/furans in lieu of conducting the annual mercury or dioxin/furan performance test in paragraph (a) of this condition.

(2) If the permittee uses a continuous emissions monitoring system to demonstrate compliance with an applicable emission limit in paragraph (b)(1) of this condition, the permittee shall use the continuous emissions monitoring system and follow the requirements specified in 40 CFR § 62.16015(b). The permittee shall measure emissions according to 40 CFR § 60.13 to calculate 1-hour arithmetic averages, corrected to 7-percent oxygen (or carbon dioxide). The permittee shall demonstrate initial compliance using a 24-hour block average of these 1-hour arithmetic average emission concentrations, calculated using Equation 19-19 in section 12.4.1 of Method 19 of 40 CFR part 60, appendix A-7.

(3) If the permittee uses a continuous automated sampling system to demonstrate compliance with an applicable emission limit in paragraph (b)(1) of this condition, the permittee shall:

(i) Use the continuous automated sampling system specified in 40 CFR § 60.58b(p) and (q), and measure and calculate average emissions corrected to 7-percent oxygen (or carbon dioxide) according to 40 CFR § 60.58b(p) and the monitoring plan.

(A) Use the procedures specified in 40 CFR § 60.58b(p) to calculate 24-hour averages to determine compliance with the mercury emission limit in Table 3 to 40 CFR Part 62 Subpart LLL.

(B) Use the procedures specified in 40 CFR § 60.58b(p) to calculate 2-week averages to determine compliance with the dioxin/furan (total mass basis or toxic equivalency basis) emission limits in Table 3 to 40 CFR Part 62 Subpart LLL.

(ii) Update the monitoring plan as specified in 40 CFR § 60.4880(e). For mercury continuous automated sampling

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systems, the permittee shall use Performance Specification 12B of appendix B of Part 75 and Procedure 5 of Appendix F of Part 60.

(4) Except as provided in paragraph (d) of this condition, the permittee shall complete the periodic performance evaluations required in the monitoring plan for any continuous emissions monitoring systems and continuous automated sampling systems, according to the schedule specified in the monitoring plan. If the permittee was previously determining compliance by conducting an annual performance test (or according to the less frequent testing for a pollutant as provided in paragraph (a)(3) of this condition), the permittee shall complete the initial performance evaluation required under the monitoring plan in 40 CFR § 62.15995 for the continuous monitoring system prior to using the continuous emissions monitoring system to demonstrate compliance or continuous automated sampling system. The performance evaluation must be conducted using the procedures and acceptance criteria specified in 40 CFR § 62.15995(a)(3).

(c) To demonstrate compliance with the dioxins/furans toxic equivalency emission limit in paragraph (a) or (b) of this section, the permittee shall determine dioxins/furans toxic equivalency as follows:

(1) Measure the concentration of each dioxin/furan tetra- through octachlorinated-isomer emitted using Method 23 at 40 CFR Part 60, Appendix A-7.

(2) For each dioxin/furan (tetra- through octachlorinated) isomer measured in accordance with paragraph (c)(1) of this condition, multiply the isomer concentration by its corresponding toxic equivalency factor specified in Table 5 to this Subpart.

(3) Sum the products calculated in accordance with paragraph (c)(2) of this condition to obtain the total concentration of dioxins/furans emitted in terms of toxic equivalency.

(d) If the permittee demonstrates continuous compliance using a performance test, as specified in paragraph (a) of this condition, then the provisions of this paragraph (d) apply. If a force majeure is about to occur, occurs, or has occurred for which the permittee intends to assert a claim of force majeure, the permittee shall notify the Administrator in writing as specified in 40 CFR § 62.16030(f). the permittee shall conduct the performance test as soon as practicable after the force majeure occurs. The Administrator will determine whether or not to grant the extension to the performance test deadline, and will notify the permittee in writing of approval or disapproval of the request for an extension as soon as practicable. Until an extension of the performance test deadline has been approved by the Administrator, the permittee remain strictly subject to the requirements of 40 CFR Part 62 Subpart LLL.

(e) After any initial requests in 40 CFR § 62.15995 for alternative monitoring requirements for initial compliance, the permittee may subsequently petition the Administrator for alternative monitoring parameters as specified in 40 CFR §§ 60.13(i) and 62.15995(e).

080 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 62.16015(c).]

The permittee shall conduct air pollution control device inspections that include, at a minimum, the following:

(a) Inspect air pollution control device(s) for proper operation.

(b) Generally observe that the equipment is maintained in good operating condition.

(c) Develop a site-specific monitoring plan according to the requirements in 40 CFR § 62.15995.

VII. ADDITIONAL REQUIREMENTS.**# 081 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Sludge streams that result in mercury emissions in excess of 1,600 gr/day, as demonstrated through stack or sludge sampling, as described in 40 CFR §§ 61.53 and 61.54 shall have their mercury emissions monitored once per year, consistent with 40 CFR § 61.55.

SECTION D. Source Level Requirements

The permittee shall use screening and sampling procedures approved by the Department on all waste streams to ensure the concentrations listed in this permit are not exceeded.

082 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department reserves the right to establish and impose more stringent limits than those for particulate matter, mercury, total hydrocarbons, CO, and NO_x, based at least in part on the stack test results, sludge sampling, and the dispersion modeling results.

083 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A spare parts inventory, as submitted and approved by the Department, shall be maintained at the facility.

084 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A maintenance plan, as submitted and approved by the Department, shall be maintained at the facility.

085 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate the incinerator and the associated control devices unless a fully trained and qualified crew is on duty at the facility. There shall be at least one trained operator who either directly operates, or supervises crew's operation of, the incinerator and control devices, on duty at all times.

The training program shall provide certificates at the end of the training program. Such certificates shall be valid for only one year.

086 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.15995(e).]

The permittee may submit an application to the Administrator for approval of alternate monitoring requirements to demonstrate compliance with the standards of 40 CFR Part 62 Subpart LLL, subject to the provisions of paragraphs (a) through (f) of this condition.

(a) The Administrator will not approve averaging periods other than those specified in this section, unless the permittee documents, using data or information, that the longer averaging period will ensure that emissions do not exceed levels achieved over the duration of three performance test runs.

(b) If the application to use an alternate monitoring requirement is approved, the permittee shall continue to use the original monitoring requirement until approval is received to use another monitoring requirement.

(c) The permittee shall submit the application for approval of alternate monitoring requirements no later than the notification of performance test. The application must contain the information specified in paragraphs (c)(1) through (3) of this condition:

(1) Data or information justifying the request, such as the technical or economic infeasibility, or the impracticality of using the required approach.

(2) A description of the proposed alternative monitoring requirement, including the operating parameter to be monitored, the monitoring approach and technique, the averaging period for the limit, and how the limit is to be calculated.

(3) Data or information documenting that the alternative monitoring requirement would provide equivalent or better assurance of compliance with the relevant emission standard.

(d) The Administrator will notify the permittee of the approval or denial of the application within 90 calendar days after receipt of the original request, or within 60 calendar days of the receipt of any supplementary information, whichever is later. The

SECTION D. Source Level Requirements

Administrator will not approve an alternate monitoring application unless it would provide equivalent or better assurance of compliance with the relevant emission standard. Before disapproving any alternate monitoring application, the Administrator will provide the following:

(1) Notice of the information and findings upon which the intended disapproval is based.

(2) Notice of opportunity for the permittee to present additional supporting information before final action is taken on the application. This notice will specify how much additional time is allowed for the permittee to provide additional supporting information.

(e) The permittee is responsible for submitting any supporting information in a timely manner to enable the Administrator to consider the application prior to the performance test. Neither submittal of an application, nor the Administrator's failure to approve or disapprove the application relieves the permittee of the responsibility to comply with any provision of Subpart LLL.

(f) The Administrator may decide at any time, on a case-by-case basis, that additional or alternative operating limits, or alternative approaches to establishing operating limits, are necessary to demonstrate compliance with the emission standards of Subpart LLL.

087 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16015(d).]

Use of a bypass stack at any time that sewage sludge is being charged to the SSI unit is an emissions standards deviation for all pollutants listed in Table 3 of 40 CFR Part 62 Subpart LLL. The use of a bypass stack during a performance test invalidates the performance test.

088 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 62.16020(d).]

The permittee shall install, calibrate (to manufacturers' specifications), maintain and operate a device or method for measuring the use of the bypass stack including date, time and duration.

***** Permit Shield in Effect. *****

SECTION D. Source Level Requirements

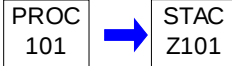
Source ID: 101

Source Name: PARTS WASHER

Source Capacity/Throughput:

N/A

STODARD SOLVENT



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §129.63]

Degreasing operations

A person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §129.63]

Degreasing operations

(a) The permittee shall monitor the following, monthly:

- (1) the VOC content of the solvent/solution; and
- (2) the amount of solvent/solution used.

(b) The permittee shall calculate the VOC emissions on a monthly and 12 consecutive month basis using Department approved methods.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall keep monthly records of the following:

- (a) the VOC content of the solvent/solution;
- (b) the amount of solvent/solution used; and
- (c) the VOC emissions.

004 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall keep records of the following:

- (a) an invoice, bill of sale, certificate that corresponds to a number of sales;
- (b) Material Safety Data Sheet (MSDS); or
- (c) other appropriate documentation acceptable to the Department may be used to comply with 25 Pa. Code § 129.63(a).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §129.63]

Degreasing operations

Cold cleaning machines shall be operated in accordance with the following procedures:

- (a) waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container;
- (b) flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray;
- (c) sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine;
- (d) air agitated solvent baths may not be used; and
- (e) spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

006 [25 Pa. Code §129.63]

Degreasing operations

The permittee shall receive the following from the seller for any solvent containing VOCs for use in this cold cleaning machine:

- (a) the name and address of the solvent supplier;
- (b) the type of solvent including the product or vendor identification number; and
- (c) the vapor pressure of the solvent measured in mm hg at 20°C (68°F).

007 [25 Pa. Code §129.63]

Degreasing operations

This cold cleaning machine shall:

- (a) have a permanent, conspicuous label summarizing the operating requirements. Additionally, the label shall include the following information:
 - (1) clean parts shall be drained at least fifteen (15) seconds or until dripping ceases, whichever is longer. Parts having cavities, or blind holes, shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts shall be positioned so that the solvent drains directly back into the cold cleaning machine;
 - (2) when pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned; and
 - (3) work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.
- (b) The parts washer shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir machines which drain directly into the solvent reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

***** Permit Shield in Effect. *****



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
001	SEWAGE SLUDGE INCINERATOR		
Emission Limit			Pollutant
10.000	gr/Day	Beryllium	Beryllium Compounds
100.000	PPMV	averaged monthly	CO
3,200.000	gr/Day	Mercury	Mercury Compounds
25.000	Tons/Yr		NOX
161.000	PPMV	averaged monthly	NOX
1.300	Lbs/Tons	dry sludge input	TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
10.000	Tons/Yr	individual HAP	Hazardous Air Pollutants
25.000	Tons/Yr	total HAPs	Hazardous Air Pollutants
25.000	Tons/Yr	12-month rolling sum	NOX

SECTION G. Miscellaneous.

The following previously issued plan approval serves as the basis for certain terms and conditions set forth in this permit:

- (a) 46-301-259 issued April 17, 1990 for the installation of a new variable throat horizontal venturi wet scrubber on the existing SSI.
- (b) 46-301-259A issued October 30, 1997 for the modification of the air cleaning device to adjustable throat vertical venturi scrubber on the existing SSI.
- (c) 46-301-259B issued June 1, 1998 for the modification of the air cleaning device to multiple venturi scrubber on the existing SSI; amended May 8, 2003.
- (d) Initial Synthetic Minor Operating Permit No. 46-00230 issued September 8, 2003 (AUTH ID 506776).

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- Maintenance activities, including grinding and welding.

September 2003. APS No. 486582, Auth ID 520208. The Department amended the State-Only Operating Permit to address several typographical errors.

September 2008. APS: 486582, AUTH: 717724. The Department renewed the operating permit for this facility. No changes in sources or regulations.

September 2013. APS: 486582, AUTH: 969660. Permit renewal, no new regulations.

- A 1.674 MMBtu/hr natural gas fired boiler for building heat was installed 2001.
- A remote reservoir parts washer, manufactured and maintained by Safety Kleen, was installed in 2006 and can be found in the permit under Source 101.
- As a State-Only facility, the PTE for HAPs does not exceed the 10/25 ton threshold and therefore this facility is exempt from 40 CFR 63, Subpart VV (NESHAP for Publicly Owned Treatment Works).

October 2013. APS: 486582, Auth: 997932. Permit amendment for cause to address a decrease in testing frequency for arsenic, chromium, lead, and nickel in accordance with 40 CFR § 503.46(a)(2); and to clarify which hearths are to be used while maintaining a warm stand-by mode.

December 2017. APS: 839185, Auth: 1020125. Permit reissued as a Title V Operating Permit in accordance with the requirements of 40 CFR Part 60 Subpart MMM and 40 CFR Part 62 Subpart LLL. The Title V Operating Permit incorporates applicable requirements from the federal plan (40 CFR Part 62 Subpart LLL). This Title V Operating Permit supersedes the Synthetic Minor Operating Permit.



***** End of Report *****
