



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 17, 2025

Effective Date: July 17, 2026

Revision Date: July 17, 2026

Expiration Date: January 28, 2027

Revision Type: Extension

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 11-00289C

Federal Tax Id - Plant Code: 51-0286842-1

Owner Information

Name: NORTH AMER HOGANAS HIGH ALLOYS LLC

Mailing Address: 101 BRIDGE ST  
JOHNSTOWN, PA 15902-2904

Plant Information

Plant: NORTH AMER HOGANAS/JOHNSTOWN PLT

Location: 11 Cambria County 11001 Johnstown City

SIC Code: 3399 Manufacturing - Primary Metal Products, Nec

Responsible Official

Name: DAVID MILLIGAN

Title: VP HIGH ALLOY OPS

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Plan Approval Contact Person

Name: DAVID R JOHNSON

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[Signature] \_\_\_\_\_

MARK R. GOROG, P.E., ENVIRONMENTAL PROGRAM MANAGER, SOUTHWEST REGION



### Plan Approval Description

This plan approval is for one (1) baghouse associated with the Copper Melting Operation (Glidcop®) manufactured by Camfil model GS48 that is rated at 16,730 ACFM @ 250°F equipped with Dura Pleat Aluminized FLTR-GS-DPA-185 fabric filters and pneumatic shaker filter cleaning with a PM10 removal efficiency of 99.5% and guaranteed emission rate not to exceed 0.005 gr/dscf, and one (1) baghouse associated with the Cooper Melting Operation (Glidcop®) Plant Floor Sweeper manufactured by Camfil model GS6 that is rated at 6,000 ACFM @ 200°F equipped with cellulose/polyester fabric filter and pneumatic shaker filter cleaning with a PM removal efficiency of 99.5%. This plan approval will also decommission one (1) baghouse associated with the Cooper Melting Operation (Glidcop®) and Plant Floor Sweeper that is manufactured by Torit model 120TNFDHI rated at 15,000 cfm.

The modification of this plan approval, on July 14, 2025, will allow for the start of the shakedown period since construction is complete at the facility.

The extension of this plan approval, on January 13, 2026, will allow for the continuation of the temporary operation period while Hoganäs prepares for the initial plan approval inspection.

The word "relative" was omitted from Section D, Source 103, Condition #008 and added during this extension. This was an error that was recently discovered and corrected. The extension of this plan approval, on July 17, 2026, will allow for the continuation of the temporary operation period while Hoganäs prepares to submit the operating permit modification application.



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Note: These same sub-sections are repeated for each source!

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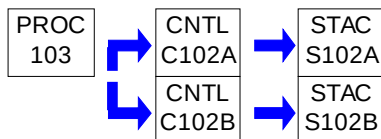
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**SECTION A. Plan Approval Inventory List**

| Source ID | Source Name                       | Capacity/Throughput | Fuel/Material |
|-----------|-----------------------------------|---------------------|---------------|
| 103       | GLIDCOP DEPARTMENT                |                     |               |
| C102A     | BAGHOUSE (16,730 ACFM @ 250F)     |                     |               |
| C102B     | BAGHOUSE (6,000 ACFM @ 200F)      |                     |               |
| S102A     | BAGHOUSE 16,730 ACFM @ 250F STACK |                     |               |
| S102B     | BAGHOUSE 6,000 ACFM @ 200F STACK  |                     |               |

**PERMIT MAPS**

**SECTION B. General Plan Approval Requirements****#001 [25 Pa. Code § 121.1]****Definitions**

Words and terms that are not otherwise defined in this plan approval 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 § 127.12b (a) (b)]****Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

**#003 [25 Pa. Code § 127.12b]****Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

**#004 [25 Pa. Code § 127.12(a) (10)]****Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

**#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]****Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

**#006 [25 Pa. Code § 127.12b]****Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

**#007 [25 Pa. Code § 127.32]****Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

**#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]****Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

**#009 [25 Pa. Code 127.13a]****Plan Approval Changes for Cause**

This plan approval may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

(a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.

(b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(c) The permittee fails to submit a report required by this plan approval.

(d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

**#010 [25 Pa. Code §§ 121.9 & 127.216]****Circumvention**

(a) The permittee, 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 plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#011 [25 Pa. Code § 127.12c]****Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager

PA Department of Environmental Protection

(At the address given on the plan approval transmittal letter or otherwise notified)

**#012 [25 Pa. Code § 127.12(a)(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

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

**SECTION B. General Plan Approval Requirements**

- (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 the Environmental Protection Agency 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 plan approval 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.

**#013 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

**#014 [25 Pa. Code § 127.25]****Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

**SECTION C. Site Level Plan Approval Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

**# 002 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee may not permit the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than those allowed under 25 Pa Code §123.1.

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

The owner/operator may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa Code §123.1(a)(1)-(9) (relating to prohibitions of certain fugitive emissions) if the emissions are visible at the point the emissions pass outside the owner/operator's property.

**# 004 [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.

**# 005 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in an air basin except as noted in §129.14(c).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.****# 006 [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.
- (b) Observers trained and qualified to measure plume opacity with the naked eye or with the aid of a device approved by the Department.

**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

A facility-wide inspection shall be conducted at a minimum of once each day that the facility operates by the owner/operator. The facility-wide inspection shall be conducted for the presence of the following:

- (a) Visible stack emissions
- (b) Fugitive emissions
- (c) Potentially objectionable odors at the property line

These observations are to ensure continued compliance with source-specific visible emission limitations, fugitive emissions prohibited under 25 Pa Code §§123.1 or 123.2, and malodors prohibited under 25 Pa Code §123.31. Observations for visible stack emissions shall be conducted during daylight hours and all observations shall be conducted for all sources in operation at the time of the facility-wide inspection. If any visible stack emissions, fugitive emissions, or potentially objectionable odors are apparent, the owner/operator shall take corrective action. Records of each inspection shall be maintained in a log and at the minimum include the date, time, name, and title of the observer, along with any corrective actions taken as a result

**SECTION C. Site Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to 25 Pa Code §135.5 (relating to record keeping), air contamination source owners shall maintain and make available upon request by the Department such records as may be necessary to comply with 25 Pa Code §135.5 (related to reporting). These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to 25 Pa Code §135.3, a person who owns or operates an air contamination source to which 25 Pa Code, Chapter 135 (relating to reporting sources) applies and who has previously been advised by the Department to submit an annual emissions report shall submit by March 1 of each year an emission report for the preceding calendar year. The report shall include all information for all previously reported air contamination sources, new air contamination sources that were first operated during the preceding calendar year and air contamination sources modified during the same period that were not previously reported. A person who receives initial notification by the Department that an emission report is necessary shall submit the report within 60 days after receiving notification or by March 1.

**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

15. Malfunctions reporting shall be conducted as follows:

(a) The owner/operator shall report each malfunction that occurs at this facility that poses an imminent and substantial danger to the public health and safety or the environment or which it should reasonably believe may result in citizen complaints to the Department. For purposes of this condition a malfunction is defined as any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment or source to operate in a normal or usual manner that may result in an increase in the emission of air contaminants. Examples of malfunctions may include, but are not limited to large dust plumes, heavy smoke, a spill or release that results in a malodor that is detectable outside the property of the person on whose land the source is being operated.

(b) When the malfunction poses an imminent and substantial danger to the public health and safety, potential harm to the environment, the permittee shall report the incident to the Department within one hour of discovery. The permittee shall also notify the Department within one hour, when corrective measures have been accomplished.

All other malfunctions that must be reported under subsection (a) shall be reported to the Department no later than the next business day.

(c) Initial reporting of the malfunction shall identify the following items to the extent known:

- (1) Name and location of the facility.
- (2) Nature and cause of the malfunction.
- (3) Time when the malfunction or breakdown was first observed.
- (4) Expected duration or increased emissions.
- (5) Estimated rate of emissions.

(d) If requested by the Department, the permittee shall submit a full written report to the Department including the final determinations of the items identified in and the corrective measures taken on the malfunction. The report shall be submitted within 15 days of the Department's request or accomplishing corrective measures, whichever is later.

(e) Malfunctions shall be reported to the Department by email (addresses will be provided by the Department) or at the following address:

PA DEP  
Office of Air Quality  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
412-442-4000

**SECTION C. Site Level Plan Approval Requirements****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Upon determination by the permittee that the construction of the air contamination sources, and air cleaning devices is complete, the permittee shall contact the Department's technical reviewer and provide notification that construction is complete and the date of the planned commencement of temporary operation. This shall trigger a plan approval modification from construction to 180-day temporary operation.

**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Upon determination by the permittee that the air contamination sources, and air cleaning devices covered by this plan approval are in compliance with all conditions of the plan approval, the permittee shall contact the Department's technical reviewer and schedule the Initial Operating Permit Inspection.

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VIII. COMPLIANCE CERTIFICATION.**

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

**IX. COMPLIANCE SCHEDULE.**

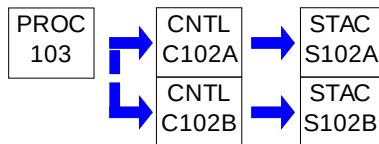
No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 103

Source Name: GLIDCOP DEPARTMENT

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Neither particulate matter nor the PM10 (particulate matter with an aerodynamic diameter of 10 microns or less) emissions from the exhaust of the fabric collector (baghouse) or cartridge collector shall exceed 0.005 grains per dry standard cubic foot of effluent gas.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

There shall be no visible air contaminant emissions from the exhaust of the fabric collector (baghouse) or cartridge collector other than water vapor or steam.

**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

No fugitive air contaminant emissions shall be generated as a result of removing collected dust from the fabric collector (baghouse) or cartridge collector or as a result of subsequent handling the collected dust on-site following its removal from the collector.

**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The fabric collector (baghouse) or cartridge collector shall be equipped with instrumentation to monitor the differential pressure across the collector on a continuous basis.

**# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If compressed air is needed for the operation of the fabric collector, the compressed air supply shall be equipped with an air dryer or an oil trap.

**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector (baghouse) bags or cartridge collector cartridges in order to immediately replace any bags or cartridges requiring replacement due to deterioration resulting from routine operation.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If at any time the Department has reason to believe that the air contamination emissions from the exhaust of the baghouse are or maybe in excess of any applicable air contamination emission limitation, the owner or operator shall conduct stack tests or source test requested by the Department to determine the actual air contamination rate.

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This BLDS Condition applies to baghouse C102A only.

**SECTION D. Source Level Plan Approval Requirements**

The bag leak detection system (BLDS) for Control Device C102A shall be installed, calibrated, and put into operation to monitor the baghouse and filter performance at all times that the facility operates.

Each BLDS must be installed, operated, calibrated, and maintained in a manner consistent with the manufacturer's written specifications and recommendations, in accordance with the guidance provided in EPA-454/R-98-015, September 1997, and in accordance with good air pollution control practices.

The BLDS must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 10 or fewer milligrams per actual cubic meter (0.00436 gr/cf).

The BLDS sensor must provide output of relative or absolute PM loadings.

The BLDS must be equipped with a device to continuously record the output signal from the sensor.

The BLDS must be equipped with an alarm system that will alert an operator automatically when an increase in relative PM emissions over present level is detected. The alarm must be located such that the alert is detected and recognized easily by an operator.

For positive pressure fabric filter system that do not duct all compartments of cells to a common stack, a BLDS must be installed in each baghouse compartment or cell.

Where multiple bag leak detectors are required, the system's instrumentation and alarm may be shared among detectors.

The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the bag leak detection systems.

The permittee shall calibrate and check the accuracy of the bag leak detection systems taking into account manufacturer's specifications at a minimum of annually.

An initial performance evaluation of the required bag leak detection systems will be required. The data collected from the bag leak detection systems during the initial performance test (EPA Reference Method 9) shall be used to provide reasonable assurance of ongoing compliance.

Once the bag leak detection systems have been installed, calibrated, and put into operation, the permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the bag leak detection systems.

**# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall observe once a day for any visible emissions from the fabric collector (baghouse) or cartridge collector. If any visible emissions are observed, the permittee shall take immediate action to eliminate the emissions.

**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The owner operator shall monitor the pressure drop gauge at a minimum once per day to ensure that the pressure differential is in conformance with the manufacturer's specifications or site-specific operational parameters. If the owner or operator records a pressure outside the specification range, then the owner or operator must conduct corrective actions to remedy the issue and ensure proper baghouse operation. The owner or operator must keep records of the daily inspection for five years. This inspection is only required when the plant is operational.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

A logbook shall be created and maintained with dates and personnel information associated with conditions noted in the

**SECTION D. Source Level Plan Approval Requirements**

installation, maintenance, and operation section of this technical memo, at a minimum. The logbook must keep records for a minimum of the last five years. At a minimum, the logbook shall contain information on maintenance of the baghouses, pre-coating procedure on new filters installed, quantity and type of spare bags, facility wide-inspections, baghouse pressure check, BLDS QA/QC Practices and BLDS calibration. This has been determined to be BAT by the Department.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall construct, operate, and maintain all air contamination sources and air cleaning devices authorized under this Plan Approval in accordance with the manufacturer's specifications and recommended maintenance schedules.

**Daily**

- "Check control and pressure drop, make corrections as necessary"
- "Walk through the system listening for proper operation, make corrections as necessary."
- "Observe control panel indicators for proper operation, make corrections as necessary."
- "Assure that dust is being removed from the system, correct as necessary."
- "Check timing sequence of solenoids and diaphragm valves, correct as necessary."

**Weekly**

- "Ensure damper valves operate properly, correct as necessary."
- "Check compressed air lines, including line filters and dryers are in good working order, make corrections as necessary."
- "Check that valves are opening and closing properly and in sequence, correct as necessary."
- "Check cartridge appearance and replace as necessary."
- "Check pressure drop indicating equipment for plugged lines, correct as necessary."

**Monthly**

- "Inspect fans for corrosion and material buildup, correct as necessary"
- "Check drive belts for wear and tension, correct as necessary."
- "Spot check filter cartridge leaks and replace as necessary."
- "Check hoses and clamps, correct as necessary."
- "Check accuracy of indicating equipment and correct as necessary."
- "Inspect housing for corrosion and correct as necessary."

**Quarterly**

- "Inspect filter cartridges thoroughly, replace as necessary."
- "Check for dust buildup and correct as necessary."
- "Observe damper valves for proper seating, clean and/or replace as necessary."
- "Check gaskets on doors and correct as necessary."
- "Check screw conveyor and/or airlock for wear or abrasion, correct as necessary."

**Annually**

- "Check fan belts and replace as necessary."
- "Check welds and correct as necessary."
- "Inspect hopper for wear, correct as necessary."
- "Check explosive vents, as indicated in the user manual, make corrections as necessary."

**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

When installing new filters follow pre-coating procedures using either expanded perlite or limestone as indicated in the user manual.



## **SECTION D. Source Level Plan Approval Requirements**

### **VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).



**SECTION E. Source Group Plan Approval Restrictions.**

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



**SECTION H. Miscellaneous.**



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

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