



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: January 15, 2026

Effective Date: January 15, 2026

Expiration Date: July 31, 2027

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. 37-00385A

Federal Tax Id - Plant Code: 85-4088001-2

Owner Information

Name: AMG CHROME US LLC
Mailing Address: 207 FRENZ DR
NEW CASTLE, PA 16101-1107

Plant Information

Plant: AMG CHROME US LLC/FRENZ DR FAC
Location: 37 Lawrence County 37921 Union Township
SIC Code: 3499 Manufacturing - Fabricated Metal Products, Nec

Responsible Official

Name: JASON DEAN
Title: OPS MGR
Phone: (484) 582 - 3523 Email: jdean@amg-chrome.com

Plan Approval Contact Person

Name: JASON DEAN
Title: OPS MGR
Phone: (484) 582 - 3523 Email: jdean@amg-chrome.com

[Signature] _____
LORI L. MCNABB, NORTHWEST REGION AIR PROGRAM MANAGER



Plan Approval Description

AMG Chrome is proposing to construct a new Chrome ingot manufacturing facility in Union Township, Lawrence County, Pennsylvania. The facility will manufacture Chrome ingot by aluminothermic reduction of Chromium (III) Oxide and then crush to customer specifications. Emission units include:

- Three (3) bulk bag dischargers,
- One (1) mixing conveyor,
- Two (2) firing chambers,
- One (1) stripping booth,
- One (1) alumina crusher,
- Three (3) Chrome crushers, and
- One (1) shotblaster.

Exempt emission units include:

- One (1) bulk discharger,
- Two (2) manual bag dumps,
- One (1) core making mixer,
- Laboratory equipment,
- Three (3) small combustion units, and
- Facility maintenance activities including plasma cutting torch, welding, and hand grinding.



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

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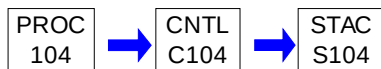
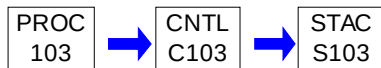
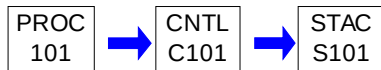
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	CHROME OXIDE BULK DISCHARGER 1	N/A	
102	CHROME OXIDE BULK DISCHARGER 2	N/A	
103	SPARE BULK DISCHARGER	N/A	
104	CHROME MIXING CONVEYOR	N/A	
105A	FIRING CHAMBER 1	N/A	
105B	FIRING CHAMBER 2	N/A	
106A	STRIPPING BOOTH	N/A	
106B	ALUMINA CRUSHER	N/A	
107A	CHROME CRUSHER PRIMARY	N/A	
107B	CHROME CRUSHER SECONDARY	N/A	
107C	CHROME CRUSHER TERTIARY	N/A	
108	SHOTBLASTER	N/A	
C101	FABRIC COLLECTOR - SOURCE 101		
C102	FABRIC COLLECTOR - SOURCE 102		
C103	FABRIC COLLECTOR - SOURCE 103		
C104	FABRIC COLLECTOR - SOURCE 104		
C105	FABRIC COLLECTOR - SOURCE 105A AND 105B		
C106	FABRIC COLLECTOR - SOURCE 106A AND 106B		
C107	FABRIC COLLECTOR - SOURCE 107A, 107B, AND 107C		
C108	FABRIC COLLECTOR - SHOT BLASTER		
S101	CHROME OXIDE BULK DISCHARGER 1 STACK		
S102	CHROME OXIDE BULK DISCHARGER 2 STACK		
S103	SPARE BULK DISCHARGER		
S104	CHROME MIXING CONVEYOR		
S105	FIRING CHAMBER 1 AND 2 STACK		
S106	STRIPPING BOOTH AND ALUMINA CRUSHER STACK		
S107	CHROME CRUSHER STACK		
S108	SHOTBLASTER STACK		

PERMIT MAPS

**PERMIT MAPS**

PROC
105A → CNTL
C105 → STAC
S105

PROC
105B → CNTL
C105 → STAC
S105

PROC
106A → CNTL
C106 → STAC
S106

PROC
106B → CNTL
C106 → STAC
S106

PROC
107A → CNTL
C107 → STAC
S107

PROC
107B → CNTL
C107 → STAC
S107

PROC
107C → CNTL
C107 → STAC
S107

PROC
108 → CNTL
C108 → STAC
S108

**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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

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

Prohibition of certain fugitive emissions

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

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) 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.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Sources and classes of sources other than those identified in paragraphs (1)-(6), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [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 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in 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 §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:

(1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.

(2) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]**Exceptions**

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

(1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

**SECTION C. Site Level Plan Approval Requirements**

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

Sitewide Chromium emissions shall not exceed 8.7 tons/year. For purposes of this plan approval, Filterable PM10 emissions = Chromium emissions.

008 [25 Pa. Code §129.14]**Open burning operations**

Open burning operations:

(a) Air basins. N/A

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(c) Exceptions. The requirements of subsections a) and b) do not apply where the open burning operations result from:

(1) 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.

(2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(5) A fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

**SECTION C. Site Level Plan Approval Requirements**

Air curtain destructor - A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes - Trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) N/A

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

- (i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b).
- (ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in that chapter.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.12b]****Plan approval 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 Plan Approval may be in excess of the limitations specified in this Plan Approval, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, 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 and the most current version of the DEP Source Testing Manual, 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.

(c) The Department reserves the right to require exhaust stack testing of sources and control devices as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with applicable requirements.

010 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms, and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

011 [25 Pa. Code §139.11]**General requirements.**

(1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the respective source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum all of the following:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.

**SECTION C. Site Level Plan Approval Requirements**

- (b) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the process.
- (c) The location of the sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

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

- (a) The permittee shall conduct a daily inspection around the facility periphery during daylight hours when the sources are in operation, to detect visible emissions, fugitive emissions, and malodorous air contaminants. These inspections are necessary to determine:
 - (1) The presence of visible emissions.
 - (2) The presence of fugitive emissions beyond the property boundaries.
 - (3) The presence of malodors beyond the property boundaries.
- (b) Visible emissions, fugitive emissions, and malodors that are caused or may be caused by operations at the site shall:
 - (1) be investigated;
 - (2) be reported to the facility management, or individual(s) designated by the permittee; and
 - (3) have appropriate corrective action taken.
- (c) The permittee may petition the Department for a change in inspection frequency. Any petition must include adequate justification for the requested change. Any change in frequency shall not be implemented until the Department has approved the change in writing.
- (d) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

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

- (a) The permittee shall maintain and make available upon request of the Department such records, including computerized records that may be necessary to comply with 25 Pa. Code Section 135.3. These 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.
- (b) All records generated pursuant to this condition shall be retained for a minimum of five years and be made available to the Department upon request.

**SECTION C. Site Level Plan Approval Requirements****# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and malodors. The record of deviations shall contain, at a minimum, the following items:

- (a) The name and title of the company representative monitoring these instances.
- (b) The date and time of the observation.
- (c) A description of any emissions or malodors observed. If none are observed, record "NONE."
- (d) The possible cause(s) of the emissions or malodors.
- (e) Corrective action(s) taken to abate or mitigate each recorded deviation and to prevent future occurrences.

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The Permittee shall maintain records of the following items for each source at this facility, as appropriate:

- (1) Monthly operating hours.
- (2) Monthly production in tons.
- (3) Annual Chromium emissions in tons/year. For purposes of this plan approval, filterable PM emissions = Chromium emissions.
- (4) Emission test reports, all operating data collected during tests, and a copy of the calculations performed to determine compliance with emission limitations.
- (5) Monitoring information and report data as specified in 25 Pa. Code Chapter 139 Subchapter C and the most recent version of the Department's Continuous Source Monitoring Manual.
- (6) Maintenance plans for each air contamination source and air cleaning device authorized under this plan approval required to demonstrate good engineering practice.
- (7) Records of maintenance conducted on each air contamination source and air cleaning device authorized under this plan approval required to demonstrate good engineering practice.

V. REPORTING REQUIREMENTS.**# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall submit all requested reports in accordance with the Department's suggested format.

017 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

- (a) The permittee shall report malfunctions or incidents of excess emissions to the Department. For purposes of this condition, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process 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 or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department's 24-hour emergency response hotline and to the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction or incident of excess emissions. The owner or operator shall submit a written or electronic report of instances of such malfunctions or incidents

**SECTION C. Site Level Plan Approval Requirements**

of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility.
- (2) Nature and cause of the malfunction or incident.
- (3) Date and time when the malfunction or incident was first observed.
- (4) Expected duration of excess emissions.
- (5) Estimated rate of emissions.
- (6) Corrective actions or preventative measures taken, or to be taken.

(d) A malfunction or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or electronically within five business days of discovery. The report shall contain the same information required by paragraph (c) of this condition.

(e) The permittee shall notify the Department within (or by 4:00 PM of the next business day, whichever is later) of when corrective measures have been accomplished.

(f) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(e), as applicable. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, including acts of God, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

018 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for 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.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator 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.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified 25 Pa. Code § 123.1 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.

**SECTION C. Site Level Plan Approval Requirements**

(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.

020 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

All air contamination sources and air cleaning devices authorized under this Plan Approval shall be operated and maintained in accordance with manufacturer operations and maintenance manuals as well as good engineering practice.

Maintenance plans shall be in place and available within 180 days of startup of each air contamination source or air cleaning device.

021 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Operation of any air emissions source is contingent upon proper operation of its associated air cleaning device, unless otherwise approved by the Department.

The plant will not be operated unless the control systems are functioning as designed or approved.

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**

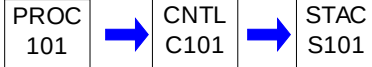
Source ID: 101

Source Name: CHROME OXIDE BULK DISCHARGER 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

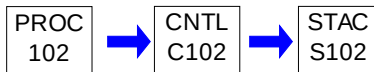
Source ID: 102

Source Name: CHROME OXIDE BULK DISCHARGER 2

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

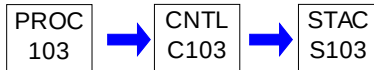
Source ID: 103

Source Name: SPARE BULK DISCHARGER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The spare bulk discharger shall not be operated when both Source ID 101 and Source ID 102 are simultaneously operating.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

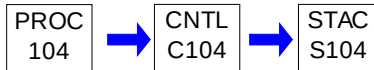
Source ID: 104

Source Name: CHROME MIXING CONVEYOR

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

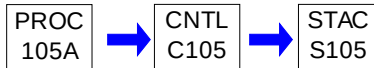
Source ID: 105A

Source Name: FIRING CHAMBER 1

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 105A shall not exceed an outlet PM rate of 0.004 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Only one of the two firing chambers (Source ID 105A and Source ID 105B) shall be in operation at any given time.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

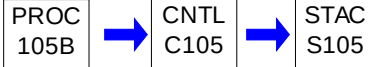
Source ID: 105B

Source Name: FIRING CHAMBER 2

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 105B shall not exceed an outlet PM rate of 0.004 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Only one of the two firing chambers (Source ID 105A and Source ID 105B) shall be in operation at any given time.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

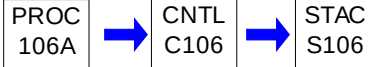
Source ID: 106A

Source Name: STRIPPING BOOTH

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 106A shall not exceed an outlet PM rate of 0.002 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

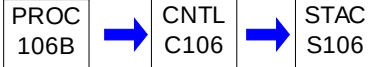
Source ID: 106B

Source Name: ALUMINA CRUSHER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 106B shall not exceed an outlet PM rate of 0.002 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

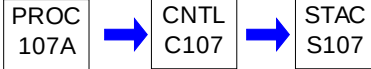
Source ID: 107A

Source Name: CHROME CRUSHER PRIMARY

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 107A shall not exceed an outlet PM rate of 0.002 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

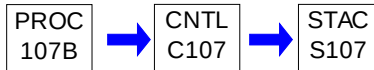
Source ID: 107B

Source Name: CHROME CRUSHER SECONDARY

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 107B shall not exceed an outlet PM rate of 0.002 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

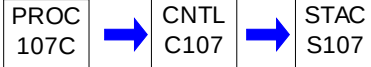
Source ID: 107C

Source Name: CHROME CRUSHER TERTIARY

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G02

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Fabric filters for Source ID 107C shall not exceed an outlet PM rate of 0.002 gr/dscf.

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

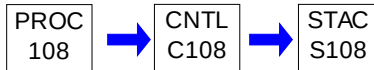
Source ID: 108

Source Name: SHOTBLASTER

Source Capacity/Throughput:

N/A

Conditions for this source occur in the following groups: G01

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

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) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

Group Name: G01

Group Description: OTHER FABRIC FILTERS

Sources included in this group

ID	Name
101	CHROME OXIDE BULK DISCHARGER 1
102	CHROME OXIDE BULK DISCHARGER 2
103	SPARE BULK DISCHARGER
104	CHROME MIXING CONVEYOR
108	SHOTBLASTER

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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

(a) Within 60 days of achieving the source's normal production rate but no later than one hundred and eighty (180) days of startup, the permittee shall perform stack testing of the source/control device to determine the particulate matter emission rate (filterable). Testing load conditions shall be representative to within 10% of maximum load design capacity or to within 10% of the maximum achievable operating load. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(b) One electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both the PSIMS Administration in Central Office and to the Regional Office AQ Program Manager.

Electronic copies shall be sent to the following email addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

(c) At least 90 days prior to performing a stack test, a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. Submit the protocol via the instructions in (b). The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performing a stack test prior to Department approval of the protocol may invalidate the results.

(d) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

(e) Within 60 days after completion of the test, the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval. Submit the report via the instructions in (b).

(f) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) When the results of a stack test performed in conformance with this condition exceed the level specified in any condition of this approval, the permittee shall take appropriate corrective actions. The permittee shall submit a description of these corrective actions to the Department, within thirty (30) days of receipt of the test results. The permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The

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

Department shall notify the permittee within thirty (30) days, if the corrective actions taken are deficient. The permittee shall submit a description of additional corrective actions taken to the Department within thirty (30) days of receipt of the notice of deficiency. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the permittee demonstrate to the Department that retesting in one hundred and twenty (120) days is not practicable, the Department may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate approval conditions may be grounds for immediate revocation of the approval to operate the affected facility.

(g) If, at anytime, the Department has reason to believe that the air contaminant emissions from the source are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct stack tests as are deemed necessary by the Department to determine the actual air contaminant emission rate. The owner or operator shall perform any such testing in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

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

Ongoing performance testing:

(a) Ongoing performance testing: The Permittee shall conduct annual performance tests for particulate matter on each air cleaning device.

(b) Reduced performance testing: If performance tests indicate that emissions are at or below 75 percent of the applicable emission limits, the Permittee may reduce the testing frequency to once every two (2) years, subject to the conditions in subsection (c).

If performance tests indicate that emissions are at or below 50 percent of the applicable emission limits, the Permittee may reduce the testing frequency to once every five (5) years, subject to the conditions in subsection (c).

(c) Conditions for reduced testing: The Permittee shall submit a written request to the Department for approval prior to reducing the testing frequency. Reduced testing may begin following the first annual performance test following the initial performance test required under Condition 002.

(d) Reinstatement of Annual Testing: If any performance test result exceeds 90 percent of the applicable emission limit, the Permittee shall resume annual testing until two consecutive compliant tests are achieved.

Any significant process change or equipment modification shall trigger reinstatement of annual testing unless otherwise approved by the Department.

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

The fabric filters must be equipped with a device for monitoring the pressure differential across the filters.

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

The pressure differential across the fabric filters shall be recorded on a daily basis and be made available to the Department upon request.

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).

**SECTION E. Source Group Plan Approval Restrictions.****VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric filter bags for the fabric filters associated with these sources in order to be able to immediately replace any bags requiring replacement.

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

Dust collected in the fabric filters shall be discharged into closed containers.

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

The storage and handling of the material collected in the air cleaning devices associated with the aforementioned sources shall not at any time result in the emission of fugitive air contaminants in excess of the limitation specified in 25 Pa. Code, Section 123.1.

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.**

Group Name: G02

Group Description: LARGE FABRIC FILTERS

Sources included in this group

ID	Name
105A	FIRING CHAMBER 1
105B	FIRING CHAMBER 2
106A	STRIPPING BOOTH
106B	ALUMINA CRUSHER
107A	CHROME CRUSHER PRIMARY
107B	CHROME CRUSHER SECONDARY
107C	CHROME CRUSHER TERTIARY

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

The Bag Leak Detection System (BLDS) must be certified by the manufacturer to be capable of detecting PM emissions at concentrations low enough to ensure compliance with the applicable PM emission limits for each control device.

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

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

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

The permittee shall develop, and submit to the Department for approval, upon request, a site-specific monitoring plan that addresses the following:

- (i) Installation of the BLDS 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 air cleaning device);
- (ii) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems; and
- (iii) Performance evaluation procedures and acceptance criteria (e.g., calibrations).
- (iv) Initial and periodic adjustment of the BLDS, including how the alarm set-point will be established;
- (v) Operation of the BLDS, including quality assurance procedures;
- (vi) How the BLDS will be maintained, including a routine maintenance schedule and spare parts inventory list;
- (vii) How the BLDS output will be recorded and stored.
- (viii) Ongoing operation, quality assurance, maintenance, and reporting;
- (ix) Ongoing data quality assurance procedures;
- (x) Ongoing recordkeeping and reporting procedures.
- (xi) How the bag leak detection systems will comply with the provisions of this plan approval for fabric filters identified in Group G02.
- (xii) The manufacturer's recommended procedures and specifications and good engineering practices for installing, testing and operating the bag leak detection systems.

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

The permittee shall conduct a performance evaluation of each BLDS each time a performance test is conducted in accordance with a site-specific monitoring plan, using manufacturer recommended methods to ensure that the BLDS is providing valid data.

**SECTION E. Source Group Plan Approval Restrictions.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Within 60 days of achieving the source's normal production rate but no later than one hundred and eighty (180) days of startup, the permittee shall perform stack testing of the source/control device to determine the particulate matter emission rate (filterable). Testing load conditions shall be representative to within 10% of maximum load design capacity or to within 10% of the maximum achievable operating load. Stack testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(b) One electronic copy of all source test submissions (notifications, protocols, reports, supplemental information, etc.) shall be sent to both the PSIMS Administration in Central Office and to the Regional Office AQ Program Manager.

Electronic copies shall be sent to the following email addresses:

CENTRAL OFFICE:

RA-EPstacktesting@pa.gov

NORTHWEST REGIONAL OFFICE:

RA-EPNWstacktesting@pa.gov

(c) At least 90 days prior to performing a stack test, a protocol shall be submitted in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection. Submit the protocol via the instructions in (b). The protocol shall contain, at a minimum, location of sampling ports, planned production rates, and any other information applicable to the stack testing. Performing a stack test prior to Department approval of the protocol may invalidate the results.

(d) At least 2 weeks prior to the test, the Department shall be informed, in writing, of the date and time of the test.

(e) Within 60 days after completion of the test, the complete test report, including, but not limited to, production rates during testing, calculation methods and results, and any other applicable testing information that will allow for a complete review of the test and results, shall be submitted to the Department for approval. Submit the report via the instructions in (b).

(f) Actions Related to Noncompliance Demonstrated by a Stack Test:

(1) When the results of a stack test performed in conformance with this condition exceed the level specified in any condition of this approval, the permittee shall take appropriate corrective actions. The permittee shall submit a description of these corrective actions to the Department, within thirty (30) days of receipt of the test results. The permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the permittee within thirty (30) days, if the corrective actions taken are deficient. The permittee shall submit a description of additional corrective actions taken to the Department within thirty (30) days of receipt of the notice of deficiency. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(2) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the permittee demonstrate to the Department that retesting in one hundred and twenty (120) days is not practicable, the Department may extend the retesting deadline. Failure of the second test to demonstrate compliance with the appropriate approval conditions may be grounds for immediate revocation of the approval to operate the affected facility.

(g) If, at anytime, the Department has reason to believe that the air contaminant emissions from the source are, or may be, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct stack tests as are deemed necessary by the Department to determine the actual air contaminant emission rate. The owner or operator shall perform any such testing in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

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

Ongoing performance testing:

(a) Ongoing performance testing: The Permittee shall conduct annual performance tests for particulate matter on each air

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

cleaning device.

(b) Reduced performance testing: If performance tests indicate that emissions are at or below 75 percent of the applicable emission limit, the Permittee may reduce the testing frequency to once every two (2) years, subject to the conditions in subsection (c).

If performance tests indicate that emissions are at or below 50 percent of the applicable emission limit, the Permittee may reduce the testing frequency to once every five (5) years, subject to the conditions in subsection (c).

(c) Conditions for reduced testing: The Permittee shall submit a written request to the Department for approval prior to reducing the testing frequency. Reduced testing may begin following the first annual performance test following the initial performance test required under Condition 006.

(d) Reinstatement of Annual Testing: If any performance test result exceeds 90 percent of the applicable emission limit, the Permittee shall resume annual testing until two consecutive compliant tests conducted in accordance with section (a) are achieved.

(e) Any significant process change or equipment modification shall trigger reinstatement of annual testing unless otherwise approved by the Department.

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

The BLDS sensor must provide output of absolute PM loadings.

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

(a) The permittee shall adhere to the air cleaning device's approved indicator range so that operation within the range shall provide reasonable assurance of compliance.

The indicator ranges must be approved by the Department. The following indicator ranges shall be determined during the initial performance test or any subsequent Department approved performance tests unless otherwise stated:

1. The permittee shall develop an indicator range for airflow, measured as fan amperage or frequency, during their most recent department approved stack testing program.
2. The permittee shall develop a maximum and minimum pressure drop indicator range, as measured across the baghouse filtration media.
3. Triboelectric leak detection status/value.
4. Opacity reading.

(b) The permittee may develop a new pressure drop range with a supported request which is reviewed and approved by the Department.

(c) The Department, at its discretion, may approve or deny a request to adjust the required indicator ranges.

(d) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the air cleaning device.

1. The permittee shall maintain detectors or sensors at Department approved locations for obtaining data that is representative of the monitored indicator.
2. The permittee shall maintain verification procedures to confirm that the operational status of the monitoring devices is within the expected range. (Operational status pertains to the accuracy of the measured values.)
3. For QA/QC purposes, the permittee shall calibrate and check the accuracy of the monitoring equipment, according to the manufacturer's recommended procedures.

**SECTION E. Source Group Plan Approval Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall record the results of each inspection, calibration, and validation check.

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

The permittee shall record the following operational data from the air cleaning device (these records may be created with stripcharts recorders, data acquisition systems, or manual log entries):

1. Pressure drop across the fabric filters – daily, defined as once per calendar day
2. Visible emission check – daily, defined as once per calendar day
3. Triboelectric leak detection system status – daily, defined as once per calendar day
4. The fabric filters airflow or fan amperage/frequency – daily, defined as once per calendar day

Manual log entries shall include the following:

1. Time and date of observation
2. Name, title, and signature of the person making the observation
3. Any corrective action taken as result of the observation

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

The permittee shall record all excursions from the specified operational parameters for the air cleaning devices, the corrective actions taken in response to an excursion, and the time elapsed until the corrective actions have been taken.

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

The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with monitoring system checks). The permittee shall also record the dates, times and durations, probable causes and corrective actions taken for the incidents.

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

The permittee shall maintain records of all preventative maintenance, repairs, and inspections performed on the sources, monitoring equipment, and air cleaning devices.

These records shall contain the following at a minimum:

1. Time and date of the task
2. Name, title, and initials of the person performing the task
3. A detailed description any maintenance / inspection / repair performed
4. Any problems or defects found
5. Any corrective action taken as result of the task

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall submit a written report of the results of each performance evaluation for the continuous monitoring system (BLDS). The owner or operator shall submit the report simultaneously with the results of the performance test, as applicable.

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee of an affected source equipped with a continuous emission monitor (BLDS) shall submit an excess emissions and continuous monitoring system performance report for any event when the continuous monitoring system data indicate the source is not in compliance with the applicable emission limitation or operating parameter limit.

016 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall report all excursions and corrective actions taken to the Department, including the dates, times, durations, and probable causes, every six (6) months.

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

The permittee shall report all monitoring downtime incidents, their dates, times and durations, probable causes, and corrective actions taken, every six (6) months.

Corrective measures may include an increase of the frequency of required preventative maintenance inspections of the air cleaning device, a modification of the prescribed range, shutdown of the affected emission unit, or other appropriate action as approved by the Department. Upon receipt of a corrective measure plan the Department shall determine the appropriate corrective measure on a case-by-case basis.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric filter bags for the fabric filters associated with these sources in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the sources and fabric filters.

018 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Dust collected in the fabric filters shall be discharged into closed containers.

019 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The storage and handling of the material collected in the air cleaning devices associated with the aforementioned sources shall not at any time result in the emission of fugitive air contaminants in excess of the limitation specified in 25 Pa. Code, Section 123.1.

020 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall install and operate a BLDS for each fabric filter identified in this group.

021 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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.

022 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

023 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

024 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

025 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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.

026 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

**SECTION E. Source Group Plan Approval Restrictions.****# 027 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

For each BLDS, the permittee shall initiate procedures to determine the cause of every alarm within 8 hours of the alarm.

The permittee must alleviate the cause of the alarm within 24 hours of the alarm by taking whatever corrective action(s) are necessary.

Corrective actions may include, but are not limited to the following:

- (i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;
- (ii) Sealing off defective bags or filter media;
- (iii) Replacing defective bags or filter media or otherwise repairing air cleaning device;
- (iv) Sealing off a defective fabric filter compartment;
- (v) Cleaning the BLDS probe or otherwise repairing the BLDS; or
- (vi) Shutting down the process producing the PM emissions.

028 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall perform a daily operational inspection of the air cleaning device. As part of this operational inspection the facility shall verify the bag leak detection system is operating.

029 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall perform a monthly preventive maintenance inspection of the air cleaning device.

A magnehelic gauge or equivalent shall be maintained and operated to monitor the pressure differential across the fabric filter. All gauges employed shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent (+/- 2%) of full scale reading.

The permittee shall adhere to the approved indicator range for the fabric filter so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

030 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee must operate and maintain the BLDS in continuous operation according to the site-specific monitoring plan.

031 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

Within 24-hours of discovery of a reading outside of the prescribed range the permittee shall perform a maintenance inspection on the air cleaning device and take corrective action.

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 F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description				
101	CHROME OXIDE BULK DISCHARGER 1				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.040 gr/DRY FT3	PM10				
102	CHROME OXIDE BULK DISCHARGER 2				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.040 gr/DRY FT3	PM10				
103	SPARE BULK DISCHARGER				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.040 gr/DRY FT3	PM10				
104	CHROME MIXING CONVEYOR				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.040 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.040 gr/DRY FT3	PM10				
105A	FIRING CHAMBER 1				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.004 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.004 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.004 gr/DRY FT3	PM10				
105B	FIRING CHAMBER 2				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.004 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.004 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.004 gr/DRY FT3	PM10				
106A	STRIPPING BOOTH				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.002 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.002 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.002 gr/DRY FT3	PM10				
106B	ALUMINA CRUSHER				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.002 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.002 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.002 gr/DRY FT3	PM10				
107A	CHROME CRUSHER PRIMARY				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.002 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.002 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.002 gr/DRY FT3	PM10				
107B	CHROME CRUSHER SECONDARY				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.002 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.002 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.002 gr/DRY FT3	PM10				
107C	CHROME CRUSHER TERTIARY				
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>0.002 gr/DRY FT3</td><td>PM10</td></tr></table>		Emission Limit	Pollutant	0.002 gr/DRY FT3	PM10
Emission Limit	Pollutant				
0.002 gr/DRY FT3	PM10				

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
108	SHOTBLASTER
Emission Limit	
0.040	gr/DRY FT3
Pollutant	
PM10	

Site Emission Restriction Summary

Emission Limit		Pollutant
8.700 Tons/Yr	Annual limit	Chromium

**SECTION H. Miscellaneous.**

BLDS = Bag Leak Detection System

For purposes of this plan approval, filterable PM₁₀ emissions = Chromium emissions. Based on the plan approval application and potential to emit calculations, the filterable PM₁₀ emissions are nearly identical to the Chromium emissions, as the PM₁₀ emissions are expected to consist solely of Chromium.



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