



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: March 2, 2021

Effective Date: March 2, 2021

Expiration Date: March 2, 2026

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 09-00182

Federal Tax Id - Plant Code: 27-4218965-1

Owner Information

Name: MARKO COATING LLC  
Mailing Address: 1105 MILLER AVE  
CROYDON, PA 19021-7531

Plant Information

Plant: MARKO COATING  
Location: 09 Bucks County 09001 Bristol Township  
SIC Code: 3471 Manufacturing - Plating And Polishing

Responsible Official

Name: WILLIAM MARKO  
Title: PRES  
Phone: (215) 788 - 0841

Permit Contact Person

Name: WILLIAM MARKO  
Title: PRES  
Phone: (215) 788 - 0841

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	560-GAL HARD CHROMIUM PLATING TANK 1	N/A	HEXAVALENT CHROME
102	280-GAL HARD CHROMIUM PLATING TANK 2	N/A	HEXAVALENT CHROME
103	DRY BLAST CABINET	N/A	PARTICULATE (GLASSBE
104AR	VAPOR HONING MACHINE 1R & MIST ELIMINATOR	N/A	PARTICULATE
104BR	VAPOR HONING MACHINE 2R & MIST ELIMINATOR	N/A	PARTICULATE
105	DEGREASER	N/A	SOLVENT
C01	(MESH PAD) FUME SCRUBBER	N/A	CHROMIC ACID
C04	DRY BLAST DUST COLLECTOR	N/A	PARTICULATE MATTER
S02	VAPOR HONING MACHINES STACKS		
Z03	FUGITIVE EMISSIONS		

**PERMIT MAPS**

PROC  
101 → CNTL  
C01

PROC  
102 → CNTL  
C01

PROC  
103 → CNTL  
C04

PROC  
104AR → STAC  
S02

PROC  
104BR → STAC  
S02

PROC  
105 → STAC  
Z03

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

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

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

**#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]****Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
  - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
  - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

**#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]****Inspection and Entry.**

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

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

**#007 [25 Pa. Code §§ 127.441 & 127.444]****Compliance Requirements.**

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

**SECTION B. General State Only Requirements**

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

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

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

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) 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.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

**#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

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

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:



**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

**#015 [25 Pa. Code § 127.11]****Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

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

**#016 [25 Pa. Code § 127.36]****Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

**#017 [25 Pa. Code § 121.9]****Circumvention.**

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#018 [25 Pa. Code §§ 127.402(d) & 127.442]****Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

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

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

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

**#020 [25 Pa. Code §§ 127.441(c) and 135.5]****Recordkeeping.**

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

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

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active 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. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#024 [25 Pa. Code §135.4]****Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level 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. Section 4003).

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

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (i) Sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements.
  - (1) The emissions are of minor significance with respect to causing air pollution.
  - (2) 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 25 Pa. Code § 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**

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

**# 005 [25 Pa. Code §123.41]****Limitations**

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

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

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances.

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that emissions of hazardous air pollutants (HAP) from this facility shall be less than 24.9 tons per 12-month rolling period for all aggregate HAP and less than 9.9 tons per 12-month rolling period for any single HAP.

**II. TESTING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

**III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following.

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

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor the facility, once per operating day, for the following.
  - (1) Odors which may be objectionable (as per 25 Pa. Code §123.31).
  - (2) Visible emissions (as per 25 Pa. Code §§123.41 and 123.42).
  - (3) Fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall
  - (1) Be investigated.
  - (2) Be reported to the facility management, or individual(s) designated by the permittee.
  - (3) Have appropriate corrective action taken (for emissions that originate on-site).

**SECTION C. Site Level Requirements**

- (4) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) 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.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (1) Date, time, and location of the incident(s).
- (2) The cause of the event.
- (3) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

(b) The permittee shall maintain these records on site, in a format approved by the Department, for a period of five (5) years and shall make them available upon request.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all necessary records to demonstrate compliance with the hazardous air pollutants (HAPs) emission limits for the entire facility.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. 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. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility 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.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

**SECTION C. Site Level Requirements**

(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, emergency or incident.
- (3) Date and time when the malfunction, emergency or incident was first observed.
- (4) Expected duration of excess emissions.
- (5) Estimated rate of emissions.
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency 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 by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) 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)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 68]

(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 threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements.

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

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130.
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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



**SECTION C. Site Level Requirements**

- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall.
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

**VI. WORK PRACTICE REQUIREMENTS.****# 016 [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.
- (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.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this Operating Permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain a program to ensure that the operators of the sources, air cleaning devices, and ancillary devices are trained and updated in the operation and maintenance of the sources and devices.
- (b) The permittee shall keep records to demonstrate that all operators of the sources, air cleaning devices, and ancillary devices are appropriately trained and updated in the operations and maintenance of the sources and devices.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval,

**SECTION C. Site Level Requirements**

except those modifications authorized by Condition #013(g) of Section B of this permit.

**# 021 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from.

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (e) 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.
- (f) A fire set solely for recreational or ceremonial purposes.
- (g) A fire set solely for cooking food.

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

**SECTION D. Source Level Requirements**

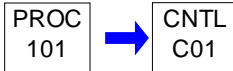
Source ID: 101

Source Name: 560-GAL HARD CHROMIUM PLATING TANK 1

Source Capacity/Throughput:

N/A

HEXAVALENT CHROME

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Standards.**

As per 40 CFR Section 63.342(c)(1)(ii), the permittee shall ensure that chromium emissions from the electroplating tank do not exceed 0.015 milligrams of chromium per dry standard cubic meter.

**Operation Hours Restriction(s).****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Standards.**

As per 40 CFR Section 63.342, this facility is a small, hard chromium electroplating facility and the permittee shall ensure that the maximum cumulative potential rectifier capacity of the facility does not exceed 60 million amp-hr/yr.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following parameters from the electroplating tank.

(1) The total process operating time of the electroplating tank on a monthly basis.

(2) The actual cumulative rectifier capacity of electroplating tank on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.****Recordkeeping requirements.**

(a) The permittee shall maintain the following records for the electroplating tank.

(1) Records of any maintenance performed on the electroplating tank.

(2) Records of any occurrence, duration, cause (if known), and corrective actions of each malfunction of the electroplating plating tank.

(3) The total process operating time of the electroplating tank on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements**

- (4) The actual cumulative rectifier capacity of electroplating tank on a monthly basis and as a 12-month rolling sum.
- (b) All records shall be maintained for a period of 5 years and made readily available to the Department.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.  
Standards.**

- (a) At all times, including periods of startup, shutdown, and malfunction, the permittee must operate the electroplating tank in a manner consistent with safety and good air pollution control practices for minimizing emissions.
- (b) Malfunctions shall be corrected as soon as practicable after their occurrence.
- (c) The permittee shall have an operation and maintenance plan that includes the following housekeeping practices.
  - (1) The permittee shall store any substance used in this electroplating tank that contains chromium in an enclosed storage area or building and use a closed container when transporting the substance from the enclosed storage area. This standard applies at all times except when transferring the substance to and from the container.
  - (2) The permittee shall minimize spills of bath solution that result from drag out by the following methods.
    - (i) Install drip trays that collect and return to the tank any bath solution that drips or drains from parts as the parts are removed from the tank; or
    - (ii) Contain and return to the tank any bath solution that drains or drips from parts as the parts are removed from the tank. Note: this measure does not require the return of contaminated bath solution to the tank. This requirement applies only as the parts are removed from the tank. Once away from the tank area, any spilled solution must be handled in accordance with Item 4 of these housekeeping measures.
  - (3) Prior to any spraying operation for removing excess chromic acid from parts removed from the electroplating tank, the permittee shall install a splash guard to minimize overspray during spraying operations. The permittee shall ensure that any chromium laden liquid captured by the splash guard is returned to the chromium electroplating tank.
  - (4) The permittee shall begin clean up, or otherwise contain, all spills of the of any substance used in the tank that contains chromium within 1 hour of the spill.  
  
Note: substances that fall or flow into drip trays, pans, sumps, or other containment areas are not considered spills.
- (5) The permittee shall every 7 days or 40 hours of operation of either or both tanks, whichever is later,
  - (i) Clean the surfaces within the enclosed storage area, open floor area, walkways around the tanks that are contaminated with chromium from the electroplating tank using one or more of the following methods: HEPA vacuuming, hand wiping with a damp cloth, wet mopping, hosing down or rinsing with potable water that is collected in a wastewater collection system, other cleaning methods approved by the permitting authority; or
  - (ii) Apply, according to manufacturer's recommendations, a non-toxic chemical dust suppressant to the surfaces contaminated by chromium.

## SECTION D. Source Level Requirements

(iii) The permittee shall keep records to show compliance with parts (5)(i) or (5)(ii) of this condition.

(6) Prior to beginning a buffing, grinding, or polishing operation in the same room as the electroplating tank, the permittee shall separate the buffing, grinding or polishing operation from the electroplating operation by installing a physical barrier, which may take the form of plastic strip curtains.

(7) The permittee shall at all times store, dispose, recover, or recycle the chromium containing wastes generated from these housekeeping activities using practices that do not lead to fugitive dust and that are in accordance with hazardous waste requirements.

### VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

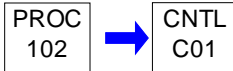
Source ID: 102

Source Name: 280-GAL HARD CHROMIUM PLATING TANK 2

Source Capacity/Throughput:

N/A

HEXAVALENT CHROME

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Standards.**

As per 40 CFR Section 63.342(c)(1)(ii), the permittee shall ensure that chromium emissions from the electroplating tank do not exceed 0.015 milligrams of chromium per dry standard cubic meter.

**Operation Hours Restriction(s).****# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Standards.**

As per 40 CFR Section 63.342, this facility is a small, hard chromium electroplating facility and the permittee shall ensure that the maximum cumulative potential rectifier capacity of the facility does not exceed 60 million amp-hr/yr.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following parameters from the electroplating tank.

(1) The total process operating time of the electroplating tank on a monthly basis.

(2) The actual cumulative rectifier capacity of electroplating tank on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Recordkeeping requirements.**

(a) The permittee shall maintain the following records for the electroplating tank.

(1) Records of any maintenance performed on the electroplating tank.

(2) Records of any occurrence, duration, cause (if known), and corrective actions of each malfunction of the electroplating plating tank.

(3) The total process operating time of the electroplating tank on a monthly basis and as a 12-month rolling sum.

**SECTION D. Source Level Requirements**

- (4) The actual cumulative rectifier capacity of electroplating tank on a monthly basis and as a 12-month rolling sum.
- (b) All records shall be maintained for a period of 5 years and made readily available to the Department.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]**

**Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.**  
**Standards.**

- (a) At all times, including periods of startup, shutdown, and malfunction, the permittee must operate the electroplating tank in a manner consistent with safety and good air pollution control practices for minimizing emissions.
- (b) Malfunctions shall be corrected as soon as practicable after their occurrence.
- (c) The permittee shall have an operation and maintenance plan that includes the following housekeeping practices.
- (1) The permittee shall store any substance used in this electroplating tank that contains chromium in an enclosed storage area or building and use a closed container when transporting the substance from the enclosed storage area. This standard applies at all times except when transferring the substance to and from the container.
- (2) The permittee shall minimize spills of bath solution that result from drag out by the following methods.
- (i) Install drip trays that collect and return to the tank any bath solution that drips or drains from parts as the parts are removed from the tank; or
- (ii) Contain and return to the tank any bath solution that drains or drips from parts as the parts are removed from the tank. Note: this measure does not require the return of contaminated bath solution to the tank. This requirement applies only as the parts are removed from the tank. Once away from the tank area, any spilled solution must be handled in accordance with Item 4 of these housekeeping measures.
- (3) Prior to any spraying operation for removing excess chromic acid from parts removed from the electroplating tank, the permittee shall install a splash guard to minimize overspray during spraying operations. The permittee shall ensure that any chromium laden liquid captured by the splash guard is returned to the chromium electroplating tank.
- (4) The permittee shall begin clean up, or otherwise contain, all spills of the of any substance used in the tank that contains chromium within 1 hour of the spill.

Note: substances that fall or flow into drip trays, pans, sumps, or other containment areas are not considered spills.

- (5) The permittee shall every 7 days or 40 hours of operation of either or both tanks, whichever is later,
- (i) Clean the surfaces within the enclosed storage area, open floor area, walkways around the tanks that are contaminated with chromium from the electroplating tank using one or more of the following methods: HEPA vacuuming, hand wiping with a damp cloth, wet mopping, hosing down or rinsing with potable water that is collected in a wastewater collection system, other cleaning methods approved by the permitting authority; or
- (ii) Apply, according to manufacturer's recommendations, a non-toxic chemical dust suppressant to the surfaces contaminated by chromium.

## SECTION D. Source Level Requirements

(iii) The permittee shall keep records to show compliance with parts (5)(i) or (5)(ii) of this condition.

(6) Prior to beginning a buffing, grinding, or polishing operation in the same room as the electroplating tank, the permittee shall separate the buffing, grinding or polishing operation from the electroplating operation by installing a physical barrier, which may take the form of plastic strip curtains.

(7) The permittee shall at all times store, dispose, recover, or recycle the chromium containing wastes generated from these housekeeping activities using practices that do not lead to fugitive dust and that are in accordance with hazardous waste requirements.

### VII. ADDITIONAL REQUIREMENTS.

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



**SECTION D. Source Level Requirements**

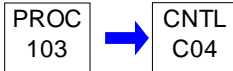
Source ID: 103

Source Name: DRY BLAST CABINET

Source Capacity/Throughput:

N/A

PARTICULATE (GLASSBEADS)

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

# 001 [25 Pa. Code §123.13]

**Processes**

A person may not permit the emission into the outdoor atmosphere of filterable particulate matter from this source at any time in excess of 0.04 grain per dry standard cubic foot, pursuant 25 Pa. Code § 123.13(c)(1)(i).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall monitor the amount, in pounds, of glass bead abrasives used in this source (Source ID 103) on an annual basis.

(b) The permittee shall maintain all necessary records to demonstrate compliance with the pollutant emission limit in Condition #001.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records of the amount, in pounds, of glass bead abrasives used in this source (Source ID 103) on an annual basis.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that this source is operated and maintained according to the manufacturer's specifications and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that the Dry Blast Dust Collector (Source ID C04) is operating whenever this source is used.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may use U.S. EPA AP-42 emission factors (e.g., 0.69 lb/1,000 lb of blast media) for abrasive blasting to determine the pollutant (particulate matter) emissions from this source (Source ID 103).

**SECTION D. Source Level Requirements**

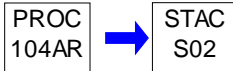
Source ID: 104AR

Source Name: VAPOR HONING MACHINE 1R &amp; MIST ELIMINATOR

Source Capacity/Throughput:

N/A

PARTICULATE

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

# 001 [25 Pa. Code §123.13]

**Processes**

A person may not permit the emission into the outdoor atmosphere of filterable particulate matter from this source at any time, in excess of 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code Section 123.13(c)(1)(i).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records of when the mist eliminator pads are repaired or replaced.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) Emissions from this source shall be controlled by a mist eliminator, integral to the vapor honing machine.

(b) The vapor honing machine shall be equipped with a built-in wash-down system, which is auto-activated every 30 minutes, for cleaning the mist eliminator.

(c) The vapor honing machine shall be operated with the filter wash switch positioned in the automatic mode.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that this source is operated and maintained according to the manufacturer's specifications and good air pollution control practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This Vapor Honing Machine is manufactured by Vapor Blast Manufacturing Company, Model 4836.

**SECTION D. Source Level Requirements**

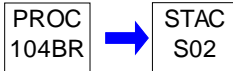
Source ID: 104BR

Source Name: VAPOR HONING MACHINE 2R &amp; MIST ELIMINATOR

Source Capacity/Throughput:

N/A

PARTICULATE

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

# 001 [25 Pa. Code §123.13]

**Processes**

A person may not permit the emission into the outdoor atmosphere of filterable particulate matter from this source at any time, in excess of 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code Section 123.13(c)(1)(i).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records of when the mist eliminator pads are repaired or replaced.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) Emissions from this source shall be controlled by a mist eliminator, integral to the vapor honing machine.

(b) The vapor honing machine shall be equipped with a built-in wash-down system, which is auto-activated every 30 minutes, for cleaning the mist eliminator.

(c) The vapor honing machines shall be operated with the filter wash switch positioned in the automatic mode.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that this source is operated and maintained according to the manufacturer's specifications and good air pollution control practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This Vapor Honing Machine is manufactured by Vapor Blast Manufacturing Company, Model 4836.

**SECTION D. Source Level Requirements**

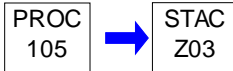
Source ID: 105

Source Name: DEGREASER

Source Capacity/Throughput:

N/A

SOLVENT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following for the degreaser each month.

(1) How much new solvent is added to the degreaser.

(2) How much spent solvent is removed from the degreaser.

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall record the following for the degreaser each month.

(1) How much new solvent is added to the degreaser.

(2) How much spent solvent is removed from the degreaser.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain a copy, on site, of the Safety Data Sheet for the solvent that is used in the degreaser.

**# 004 [25 Pa. Code §129.63]****Degreasing operations**

(a) Pursuant to 25 Pa. Code Section 129.63(a), the permittee shall operate the degreaser in accordance with the following practices.

(1) The degreaser shall have a freeboard ratio of 0.50 or greater.

(2) The degreaser shall have a permanent, conspicuous label which lists the required work practices in part (4) of this

**SECTION D. Source Level Requirements**

condition as well as the following discretionary work practices.

(i) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the degreaser.

(ii) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing.

(iii) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(3) The degreaser shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.

(4) The degreaser shall be operated in accordance with the following procedures.

(i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the degreaser. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the degreaser.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

(5) After December 22, 2002, a person may not use, sell or offer for sale for use in this degreaser any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(6) On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in this degreaser shall provide, to the purchaser, the following written information.

(i) The name and address of the solvent supplier.

(ii) The type of solvent including the product or vendor identification number.

(iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

(7) A person who operates this degreaser shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in paragraph (6). An invoice, bill of sale, certificate that corresponds to a number of sales, Safety Data Sheet (SDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

(8) Paragraph (4) does not apply.

(i) To cold cleaning machines used in extreme cleaning service.

(ii) If the owner or operator of the cold cleaning machine demonstrates, and the Department approves in writing, that compliance with paragraph (4) will result in unsafe operating conditions.

(iii) To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.





**SECTION D. Source Level Requirements**

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION D. Source Level Requirements**

Source ID: C01

Source Name: (MESH PAD) FUME SCRUBBER

Source Capacity/Throughput:

N/A

CHROMIC ACID

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following operating parameters, on a daily basis, when operating.

(1) The pressure drop across each stage of the scrubber, utilizing a differential manometer, or a Department-approved equivalent.

(2) The flow rate to the scrubber, utilizing a rotameter, or a Department-approved equivalent.

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the following operating parameters, on a daily basis, when operating.

(1) The pressure drop across each stage of the scrubber, utilizing a differential manometer, or a Department-approved equivalent.

(2) The flow rate to the scrubber, utilizing a rotameter, or a Department-approved equivalent.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.****Recordkeeping requirements.**

(a) The permittee shall maintain the following records for the composite mesh pad scrubber and the differential manometer. The record can take the form of a checklist and should identify the unit inspected, the date of inspection, a brief description of the working condition of the unit during the inspection, and any actions taken to correct deficiencies found during the inspection.

(1) Records of the quarterly visual inspection, required by the maintenance plan, to include the following.

(i) Evaluation of proper drainage, any chromic acid buildup in the scrubber, and any chemical attack on the structural integrity of the scrubber.

(ii) Evaluation of any breakthrough of chromic acid mist in the back portion of the mesh pad closest to the fan.

(iii) Evaluation of the duct work from the electroplating tanks to the scrubber to ensure there are no leaks.

(iv) Evaluation of amount of fresh make up water to the top of the scrubber.

(v) Performance of the washdown of the composite mesh pads in accordance to manufacturers recommendation.

**SECTION D. Source Level Requirements**

- (2) Records of any maintenance performed on the composite mesh pad scrubber and the differential manometer.
- (3) Records of any occurrence, duration, cause (if known), and corrective actions of each malfunction of the composite mesh pad scrubber and the differential manometer.
- (b) All records shall be maintained for a period of 5 years and made readily available to the Department.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall ensure that the water flow rate during spray down to all scrubber stages shall be maintained at 8 gallons per minute.
- (b) The permittee shall ensure to operate the scrubber system (Source ID C01) whenever one or both of the electroplating tanks are in operation.

**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall ensure the following equipment is installed so that the following parameters can be measured.
- (1) Pressure drop across the scrubber, utilizing a differential manometer, or equivalent.
- (2) Flow rate to the scrubber, utilizing a rotameter, or equivalent.

**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks. Standards.**

- (a) At all times, including periods of startup, shutdown, and malfunction, the permittee must operate the composite mesh pad scrubber in a manner consistent with safety and good air pollution control practices for minimizing emissions.
- (b) Malfunctions shall be corrected as soon as practicable after their occurrence.
- (c) The permittee shall have an operation and maintenance plan, for the composite mesh pad scrubber, that is performed on a quarterly basis and shall include the following practices.
- (1) Visually inspect device to ensure there is proper drainage, any chromic acid buildup in the scrubber, and any chemical attack on the structural integrity of the scrubber.
- (2) Visually inspect the back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist.
- (3) Visually inspect ductwork from the electroplating tanks to the scrubber to ensure there are no leaks.
- (4) Visually inspect the amount of fresh make up water to the top of the scrubber.
- (5) Perform washdown of the composite mesh pads in accordance with manufacturers recommendations.
- (6) The permittee shall keep records to show compliance with parts (c)(1) through (5) of this condition.

**SECTION D. Source Level Requirements****# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.343]****Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.****Compliance provisions.**

As per 40 CFR Section 63.343(c)(1)(i) and (ii), the permittee shall ensure that the operating pressure drop across all 3 stages of the scrubber system shall be within +/- 2 inches water column from the average pressure drop of 5.4 inches water column measured during the initial performance test.

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION D. Source Level Requirements**

Source ID: C04

Source Name: DRY BLAST DUST COLLECTOR

Source Capacity/Throughput:

N/A

PARTICULATE MATTER

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

<p><b># 001 [25 Pa. Code §127.441]</b>  <b>Operating permit terms and conditions.</b>  The permittee shall ensure that this source is operated and maintained according to the manufacturer's specifications and good air pollution control practices.</p>
<p><b># 002 [25 Pa. Code §127.441]</b>  <b>Operating permit terms and conditions.</b>  The permittee shall ensure that this control device is operating whenever the Dry Blast Cabinet (Source ID 103) is used.</p>
<p><b># 003 [25 Pa. Code §127.441]</b>  <b>Operating permit terms and conditions.</b>  The permittee shall keep on site a sufficient quantity of spare fabric filter bags for the dust collector in order to immediately replace any bags requiring replacement.</p>

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION E. Source Group Restrictions.**



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description				
101	560-GAL HARD CHROMIUM PLATING TANK 1				
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>0.015 mg/DSCM</td> <td>Hexavalent Chromium</td> </tr> </tbody> </table>		Emission Limit	Pollutant	0.015 mg/DSCM	Hexavalent Chromium
Emission Limit	Pollutant				
0.015 mg/DSCM	Hexavalent Chromium				
102	280-GAL HARD CHROMIUM PLATING TANK 2				
<table border="1"> <thead> <tr> <th>Emission Limit</th> <th>Pollutant</th> </tr> </thead> <tbody> <tr> <td>0.015 mg/DSCM</td> <td>Hexavalent Chromium</td> </tr> </tbody> </table>		Emission Limit	Pollutant	0.015 mg/DSCM	Hexavalent Chromium
Emission Limit	Pollutant				
0.015 mg/DSCM	Hexavalent Chromium				

**Site Emission Restriction Summary**

Emission Limit		Pollutant
24.900 Tons/Yr	aggregate HAP; Determined on a 12-month rolling basis	Hazardous Air Pollutants
9.900 Tons/Yr	single HAP; Determined on a 12-month rolling basis	Hazardous Air Pollutants



**SECTION H. Miscellaneous.**

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

- (a) 1-165,000 Btu/hr Space Heater (Unit #13)
- (b) 2-51,000 Btu/hr Space Heaters (Units #2 & #3)
- (c) 1-10,000 Btu/hr Space Heater (Unit #9)  
all natural gas fired

#002 The basis for this State Only Operating Permit (Natural Minor) (APS ID: 542006, Auth ID: 577779) is the previously issued operating permit OP-09-313-092 (Two (2) Hard Chrome Electro-plating Baths).

#003 This State Only Operating Permit has been renewed for another 5-year term (APS ID: 641932, Auth ID: 819526). This State Only Operating Permit reflects a separation of Source ID 104 into Source IDs 104A and 104B.

#004 This State Only Operating Permit has been amended to reflect a change of ownership from Armoloy Company of Philadelphia to Marko Coating LLC (APS ID: 744101, Auth ID: 870878).

#005 APS ID:641932, Auth ID: 1089232

January, 2016.

This State Only Operating Permit was renewed.

RFDs 3413 and 4722 for new Vapor Honing Machines were incorporated. The updated requirements of 40 CFR Part 63 Subpart N as amended on September 19, 2012 and February 27, 2014 were included. The degreaser was moved to Section D with the applicable conditions of 25 Pa. Code Section 129.63.

The specific changes were as follows. Condition numbers refer to those in the August 3, 2011 issuance of the Operating Permit.

#### Section A

\*The following sources and permit maps associated with the old Vapor Honing Machines were removed:

104A, 104B, C02, C03.

\*The following sources and permit maps associated with the new Vapor Honing Machines, with the integral mist eliminators, were added:

104AR, 104BR

\*Source ID 105 for the Degreaser was included with its permit map.

#### Section C

The following Conditions were updated to reflect current DEP guidelines.

Condition #002

Condition #003

Condition #010

Condition #016

Condition #018

Condition #020

Condition #021

Condition #022

Condition #019

The word "initiate," referring to the operator training program, was changed to "maintain," since the training program has already been initiated.

\*The reporting requirement for the operator training program was changed to a recordkeeping requirement.

#### Additional Condition

The annual facility reporting condition pursuant to 25 Pa. Code Section 135.2 was included. A note was also added indicating that as of the permit issuance, the facility has not been requested to file a source report.

#### Section D

Source IDs 101, 102

Condition #001

\*The emission limit was revised to 0.015 mg/dscm per the revised Subpart N.

\*The regulatory reference of 40 CFR Section 40 CFR Section 63.342 (c)(2)(ii) was added.

**SECTION H. Miscellaneous.**

## Condition #002(b)

The requirements for performance tests per the revised Subpart N were included:

\*For a valid compliance demonstration the source must employ the same emission controls and operating conditions during the test as were used on and after September 12, 2012.

\*A valid performance test needs to have been conducted after January 25, 1995.

## Condition #002(c)

The measurement methodology was limited to total chromium per the revised Subpart N.

## Conditions #003,#005

"When operating" was added to the Condition for consistency with the same requirement for Source ID C01.

## Condition #004

The additional regulatory reference of 40 CFR Section 63.346(b)(1) was included.

## Condition #006(b)

Parts (13) and (14) referring to requirements for fume suppressants and for wetting agents used in decorative chromium electroplating baths were removed as the Armoloy baths do not use these constituents.

## Condition #006(b)(2), (b)(4)

Per the revised Subpart N the following changes were made:

\*Routine housekeeping was excluded from the maintenance recordkeeping requirement.

\*Recordkeeping was required for all actions during a malfunction.

## Condition #007

The EPA reporting address was updated and the proposed Compliance Emissions Data Reporting Interface noted.

## Condition #008

\*The condition specifying the water flow rate to the scrubber was simplified by restating the water flow rate to all scrubber stages as 8 gallons per minute, rather than the equivalent 0.5 gpm per square foot of scrubber surface area.

\*The phrase "during spraydown" was added to the condition to indicate that the specified flow rate to the scrubber is not continuous.

## Condition #009

The regulatory reference of 40 CFR Section 63.342(f)(3)(B) and Table 1 was referenced.

## Condition #012

\*The required pressure drop operating range across the scrubber system, which comprises 3 stages, was revised to the initial test value (5.4 in. w.c.) +/- 2 in. w.c. per the revised Subpart N.

\*The regulatory reference of 40 CFR Section 63.343(c)(1)(i) and (ii) was included.

## Additional Work Practice Condition

The housekeeping requirements of 40 CFR Section (f)(3)(F) and Table 2 were included per the revised Subpart N.

## Conditions #001, #005, #007, #008, #009, #010, #011, #012

The erroneous reference to 25 Pa. Code Section 127.512(h) was removed.

## Source ID 103

## Condition #004

The condition was clarified by adding the word "practices" to the end of the condition.

## Condition #006

The emission factor was referenced as being for abrasive blasting.

## Source IDs 104AR, 104BR

The new sources maintain conditions from the replaced sources and control devices, including the grain loading restriction of 25 Pa Code Section 123.13(c)(1)(i), work practice requirements and recordkeeping taken under the authority of 25 Pa. Code Section 127.441. In addition, the auto activator wash-down system for the mist eliminator and the Model numbers of the new sources were

**SECTION H. Miscellaneous.**

noted. Cleaning program was specified as once every two weeks. Records are to be kept of mist eliminator cleaning and replacement.

C01

Conditions #005, #007

The regulatory references are included.

Condition #006

\*The scrubber pressure drop requirement is updated to +/- 2 in. w.c. from the value determined during the initial test (5.4 in.w.c.) per the revised Subpart N

\* The condition specifying the water flow rate to the scrubber was simplified by restating the water flow rate to all scrubber stages as 8 gallons per minute, rather than the equivalent 0.5 gpm per square foot of scrubber surface area.

\*The phrase "during spraydown" was added to the condition to indicate that the specified flow rate to the scrubber is not continuous.

Conditions #001, #002, #003, #004, #006, #007, #009

The erroneous reference to 25 Pa. Code Section 127.512(h) was removed.

Section F

\*The emission limit for Sources 101, 102 was revised to 0.015 mg/dscm.

\*The grain loading for Sources 103, C04, 104AR, 104BR was specified as the filterable portion of total particulate.

Section G

\*The space heaters were noted as natural gas fired.

\*Changes made with this permit issuance were noted.

#006 February 2021, This Operating Permit has been renewed under AUTH No. 1314627 & APS ID No. 744101.



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

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