



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: January 7, 2019

Effective Date: January 7, 2019

Expiration Date: January 7, 2024

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: 09-00177

Federal Tax Id - Plant Code: 23-1310416-1

Owner Information

Name: NORTH PENN POLISHING & PLATING INC  
Mailing Address: 40 W PARK AVE  
SELLERSVILLE, PA 18960

Plant Information

Plant: NORTH PENN POLISHING & PLATING/SELLERSVILLE  
Location: 09 Bucks County 09812 Sellersville Borough  
SIC Code: 3471 Manufacturing - Plating And Polishing

Responsible Official

Name: DOUG IMBODY  
Title: PRES  
Phone: (215) 257 - 4945

Permit Contact Person

Name: ALEX IMBODY-DAVIS  
Title: ENVIRONMENTAL MGR  
Phone: (215) 257 - 4945

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



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
030	CLEAVER BROOKS BOILER	4.184 MMBTU/HR	
		4,062.140 CF/HR	Natural Gas
031	YORK SHIPLEY BOILER	2.009 MMBTU/HR	
		1,950.490 CF/HR	Natural Gas
101	DECORATIVE CHROME TANK	N/A	TRIVALENT CHROME
102	ULTRA KOOL DEGREASER	N/A	CLEANING SOLVENT
103	MISC PLATING & POLISHING OPERATIONS	N/A	MISC PLATING LINES
FML01	NATURAL GAS		
S03	BLACK OXIDE STACK		
S30	CLEAVER BROOKS STACK		
S31	YORK SHIPLEY STACK		
Z01	DECORATIVE CHROME FUGITIVES		
Z02	ULTRA KOOL DEGREASER EMISSIONS		
Z03	FUGITIVE - MISC PLATING & POLISHING OPERATIONS		

**PERMIT MAPS**



**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)&(c)]****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 and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (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 fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

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modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

**#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

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a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

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

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued 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]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

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significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make 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 make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

**#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:



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- (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)

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(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

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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 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 a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) 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 §§ 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 operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution; and
  - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 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 Section 123.1(a) 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**

Visible air contaminants shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour; or equal to or greater than 60% at any time.

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

The limitations of the visible emission restriction, of this Section, shall not apply to a visible emission in either of the

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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 sources specified in 25 Pa. Code Section 123.1(a).

**# 007 [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) A 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 such structure;
- (f) A fire set solely for recreational or ceremonial purposes; or
- (g) A fire set solely for cooking food.

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

**III. MONITORING REQUIREMENTS.****# 009 [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); and
  - (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;

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- (3) Have appropriate corrective action taken (for emissions that originate on-site); and
- (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.

(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 (if applicable), complaints, monitoring results, and/or Department findings.

**# 010 [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.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

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

Records required per this Operating Permit shall be maintained in a format acceptable to the Department and kept for a minimum of five (5) years. Records shall be made readily available to the Department upon request.

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

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

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

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

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

**SECTION C. Site Level Requirements****# 014 [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 [25 Pa. Code § 127.441(d) and 40 CFR Part 68] 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; or,
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If 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:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
  - (2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:
    - (i) The identification of each term or condition of the permit that is the basis of the certification.
    - (ii) The compliance status.
    - (iii) The methods used for determining the compliance status of the source, currently and over the reporting period.

**SECTION C. Site Level Requirements**

(iv) Whether compliance was continuous or intermittent.

(g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

**# 015 [25 Pa. Code §135.3]****Reporting**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

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

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

**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code Section 123.1(a) 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, as approved by the Department, 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, as approved by the Department, 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.



## SECTION C. Site Level Requirements

### VII. ADDITIONAL REQUIREMENTS.

**# 020 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Any changes made to any of the polishing and plating operations that would not be covered under the conditions of this operating permit shall be reported to the Department. Certain changes may require prior approval. It is the responsibility of the permittee to seek approval for any changes such that prior approval can be obtained before the changes are made.

### 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**

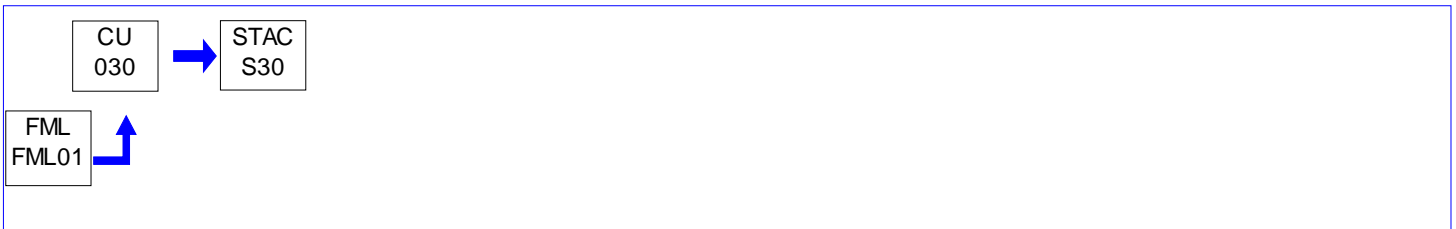
Source ID: 030

Source Name: CLEAVER BROOKS BOILER

Source Capacity/Throughput: 4.184 MMBTU/HR

4,062.140 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.11]

**Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

# 002 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

**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.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the total amount of fuel consumed by Source IDs 030 and 031 on a monthly basis, such that emissions may be determined if required.

**IV. RECORDKEEPING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall record the amount of fuel consumed by this source on a monthly basis, using a Department approved method, such that emissions may be determined if required.

**V. REPORTING REQUIREMENTS.**

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

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

The Cleaver Brooks Boiler shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control practices.

**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**

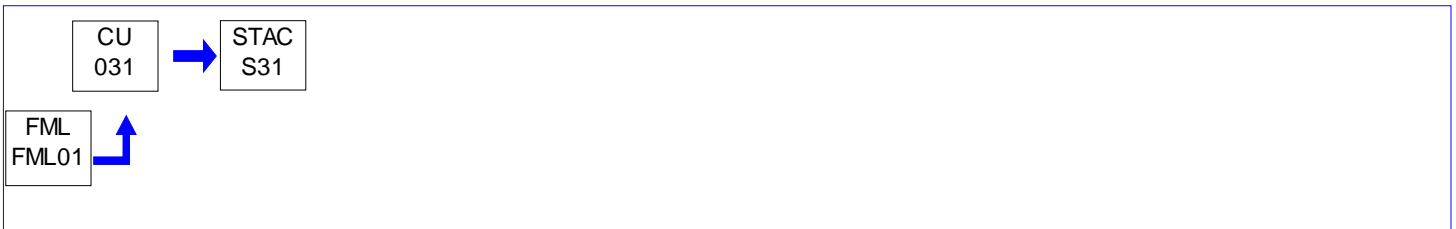
Source ID: 031

Source Name: YORK SHIPLEY BOILER

Source Capacity/Throughput: 2.009 MMBTU/HR

1,950.490 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from any combustion unit, in the Southeast Air Basin, in excess of 1.2 pounds per million Btu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use only natural gas as a fuel for this source.

**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.**

The permittee shall monitor the total amount of fuel consumed by Source IDs 030 and 031 on a monthly basis, such that emissions may be determined if required.

**IV. RECORDKEEPING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall record the amount of fuel consumed by this source on a monthly basis, using a Department approved method, such that emissions may be determined if required.

**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 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The York Shipley Boiler shall be operated and maintained in accordance with manufacturer's specifications and good air pollution control practices.



## 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**

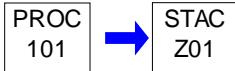
Source ID: 101

Source Name: DECORATIVE CHROME TANK

Source Capacity/Throughput:

N/A

TRIVALENT CHROME

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.346(b)(14) and (16).]

(a) The permittee shall maintain records of the bath components purchased, with the wetting agent clearly identified as a bath constituent contained in one of the components.

(b) The permittee shall maintain all documentation supporting the notifications and reports required by 40 CFR §§ 63.9, 63.10, and 63.347:

(1) The permittee shall maintain a copy of the initial notification, which contains the following:

(i) The name, title, and address of the owner or operator;

(ii) The address (i.e., physical location) of each affected source;

(iii) A statement that 40 CFR Part 63, Subpart N is the basis for this notification;

(iv) Identification of the applicable emission limitation and compliance date for the affected source;

(v) A brief description of the affected source, including the type of process operation performed;

(vi) A statement that the affected source is a trivalent chromium process that incorporates a wetting agent to comply with 40 CFR § 63.342(e); and,

(vii) The list of bath components that comprise the trivalent chromium bath, with the wetting agent clearly identified.

(2) The permittee shall maintain a copy of the notification of compliance status, which is required to be submitted within 30 days of the compliance date [September 19, 2014], which contains an update of the information submitted in the initial notification or a statement that the information is still accurate.

**SECTION D. Source Level Requirements****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.346(c).]

All records pertaining to the Decorative Chrome Tank shall be maintained for a period of 5 years in accordance with 40 CFR § 63.10(b)(1).

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.347(i)(2).]

Within 30 days of the compliance date [September 19, 2014], the permittee shall submit a notification of compliance status to the Department and to EPA, which contains an update of the information submitted in the initial notification or a statement that the information is still accurate.

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.342(e) and (g).]

(a) The permittee shall only use a trivalent chromium bath that incorporates a wetting agent as a bath ingredient in the Decorative Chrome Tank

(b) The permittee shall not use a trivalent chromium bath that is obtained by using a reducing agent to change the form of chromium from hexavalent to trivalent.

(c) After September 21, 2015, the permittee shall not add perfluorooctane sulfonic acid (PFOS) based fume suppressants to the Decorative Chrome Tank.

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

The Decorative Chrome Tank shall not be vented to the atmosphere through a stack without prior approval from the Department.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The Decorative Chrome Tank (Source ID No. 101) is subject to the requirements of 40 C.F.R. Part 63, Subpart N. The Decorative Chrome Tank meets the classifications of a decorative chromium electroplating tank using a trivalent chromium bath (40 C.F.R. Section 63.342(e)).

(b) The requirements of this Operating Permit may not completely reflect all the requirements of 40 C.F.R. Part 63, Subpart N, as is applicable to the Decorative Chrome Tank. It is the responsibility of the permittee to ensure that the Decorative Chrome Tank complies with all the requirements of 40 C.F.R. Part 63, Subpart N.

**SECTION D. Source Level Requirements**

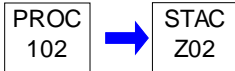
Source ID: 102

Source Name: ULTRA KOOL DEGREASER

Source Capacity/Throughput:

N/A

CLEANING SOLVENT

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The cleaning solvent used in the Ultra Kool Degreaser shall meet the following requirements:

- (a) The HAP concentration shall not exceed 2 percent (by weight), as used in the degreaser.
- (b) The boiling point shall not be less than 160°F.
- (c) The vapor pressure shall not be greater than 143 mm Hg, at 68°F.

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

The Ultra Kool Degreaser is subject to the following annual emission limits, to be determined as a 12-month rolling sum:

- (a) Volatile Organic Compounds (VOCs) - 3.12 tons
- (b) Hazardous Air Pollutants (HAPs) - 0.06 tons

**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.**

One of the following monitoring requirements shall be met during the idling mode of the Ultra Kool Degreaser:

- (a) Monitoring the air blanket temperature (in °F), at the center of the air blanket at least once per shift, when used. The permittee shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.
- (b) Monitoring the temperature of the solvent vapor at the center of the superheated vapor zone at least once per shift, when used. The permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The amount of virgin solvent that is added to the Ultra Kool Degreaser shall be determined and recorded on a monthly basis and as a 12-month rolling sum.

**# 005 [25 Pa. Code §127.441]**



**SECTION D. Source Level Requirements****Operating permit terms and conditions.**

VOC and HAP emissions shall be determined and recorded as a 12-month rolling sum.

**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Whether the monitoring requirements for the Ultra Kool Degreaser are met through monitoring of the air blanket temperature or through monitoring of the solvent vapor temperature, temperature readings shall be recorded at least once per shift, when the Ultra Kool Degreaser is used.

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

One of the following work practice standards shall be met:

- (a) If monitoring requirements for the Ultra Kool Degreaser are to be met through monitoring of the air blanket temperature, then the chilled air blanket temperature (in °F), measured at the center of the air blanket, shall be no greater than 30 percent of the solvent's boiling point.
- (b) If monitoring requirements for the Ultra Kool Degreaser are to be met through monitoring of the solvent vapor temperature, then the temperature of the solvent vapor at the center of the superheated vapor zone shall be at least 10 °F above the solvent's boiling point.

**# 008 [25 Pa. Code §129.63]****Degreasing operations**

The Ultra Kool Degreaser shall be equipped with the following:

- (a) A working and downtime mode cover that completely covers the cleaning machine openings when in place, is free of cracks, holes and other defects, and can be readily opened or closed without disturbing the vapor zone.
- (b) Sides which result in a freeboard ratio greater than or equal to 1.0.
- (c) A freeboard refrigeration device.
- (d) Superheated vapor.
- (e) A safety switch (thermostat and condenser flow switch) which shuts off the sump heat if the coolant is not circulating.
- (f) A vapor up control switch which shuts off the spray pump if vapor is not present. A vapor up control switch is not required if the vapor cleaning machine is not equipped with a spray pump.
- (g) An automated parts handling system which moves the parts or parts baskets at a speed of 11 feet (3.4 meters) per minute or less when the parts or parts are entering or exiting the vapor zone. If the parts basket being cleaned occupy more than 50% of the solvent/air interface area, the speed of the parts or parts basket may not exceed 3 feet per minute.
- (h) A device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.
- (i) A vapor level control device that shuts off the sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

**SECTION D. Source Level Requirements**

(j) A permanent, conspicuous label summarizing the operating requirements of 25 Pa. Code Section 129.63(b)(4).

**# 009 [25 Pa. Code §129.63]****Degreasing operations**

The Ultra Kool Degreaser shall be operated in accordance with the following procedures:

- (a) Waste solvent, still bottoms and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (b) Cleaned parts shall 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. A superheated vapor system shall be an acceptable alternate technology.
- (c) Parts or parts baskets may not be removed from the batch vapor cleaning machine until dripping has ceased.
- (d) Flushing or spraying of parts using a flexible hose or other flushing device shall be performed within the vapor zone of the batch vapor cleaning machine or within a section of the machine that is not exposed to the ambient air. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (e) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the batch vapor cleaning machine.
- (f) Spills during solvent transfer and use of the batch vapor cleaning machine shall be cleaned up immediately.
- (g) Work area fans shall be located and positioned so that they do not blow across the opening of the batch vapor cleaning machine.
- (h) During startup of the batch vapor cleaning machine, the primary condenser shall be turned on before the sump heater.
- (i) During shutdown of the batch vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
- (j) When solvent is added to or drained from the batch vapor cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
- (k) The working and downtime covers shall be closed at all times except during parts entry and exit from the machine, during maintenance of the machine when the solvent has been removed and during addition of solvent to the machine.

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

The company shall keep the owner's manual or the written maintenance and operating procedures for the Ultra Kool Degreaser for the lifetime of the degreaser.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The company shall notify the Department prior to switching to a different solvent in the Ultra Kool Degreaser.

**SECTION D. Source Level Requirements**

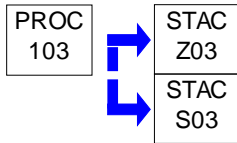
Source ID: 103

Source Name: MISC PLATING &amp; POLISHING OPERATIONS

Source Capacity/Throughput:

N/A

MISC PLATING LINES

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

# 001 [25 Pa. Code §123.13]

**Processes**

In accordance with 25 Pa. Code Section 123.13(c), emissions of particulate matter (PM) from Tank ID E.25.10 (Black Oxide Line) shall not exceed 0.04 grain/DSCF.

**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.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11509]

(a) The permittee shall maintain records of the following:

(1) A copy of any Initial Notification and Notification of Compliance Status that has been submitted and all documentation supporting those notifications.

(2) Records of:

(i) The occurrence and duration of each startup or shutdown when the startup or shutdown causes the source to exceed any applicable emission limitation in the relevant emission standards;

(ii) The occurrence and duration of each malfunction of operation (i.e., process equipment) or the required air pollution control and monitoring equipment; and,

(iii) All required maintenance performed on monitoring equipment;

(3) The records required to show continuous compliance with each management practice and equipment standard that applies to each source.

(4) All necessary documentation shall be maintained on site at all times to demonstrate compliance with § 63.11505(d)(6), where the permittee claims that a plating or polishing process does not use any material that contains cadmium, chromium, lead, or nickel in amounts of 0.1 percent or more by weight, or that contains manganese in amounts of 1.0 percent or more by weight.

**SECTION D. Source Level Requirements**

(b) The permittee shall maintain all required records for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee may keep the records offsite for the remaining 3 years.

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

[Additional authority for this permit condition is also derived from 40 CFR § 63.11509.]

(a) The permittee shall prepare an annual certification of compliance report according to the following:

- (1) For non-cyanide electroplating, electroforming, or electropolishing tanks that contain one or more plating and polishing metal HAP and operate at a pH of less than 12, the permittee shall state in the annual compliance certification that wetting agent/fume suppressant has been added to the bath according to the manufacturer's specifications and instructions.
- (2) For non-cyanide electroplating, electroforming, or electropolishing tanks that contain one or more plating and polishing metal HAP and operate at a pH of less than 12, the permittee shall state in the annual certification that the applicable control system(s) have been operated and maintained according to the manufacturer's specifications and instructions:
- (3) For flash or short-term electroplating tanks, where compliance is demonstrated by limiting the plating time of the affected tank, the permittee shall state in the annual compliance certification that short-term or flash electroplating has been limited to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.
- (4) For non-cyanide electroplating, electroforming, or electropolishing tanks that contain one or more plating and polishing metal HAP and operate at a pH of less than 12, or for flash or short-term electroplating tanks, where compliance is demonstrated by means of a tank cover, the permittee shall state in the annual certification that the tanks have been operated with covers in place at least 95 percent of the electrolytic process time.
- (5) For those tanks subject to the management practices specified in this operating permit, the permittee shall state in the annual compliance certification that the applicable management practices have been implemented, as practicable.
- (6) Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period.

(b) These reports do not need to be submitted unless a deviation from the requirements of this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report.

(c) If any deviations from the compliance requirements specified in this operating permit occur during the year, the permittee shall report the deviations, along with the corrective action taken, and submit this report to the Department and EPA.

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

[Additional authority for this permit condition is also derived from 40 CFR § 63.11507(a)]

(a) The following are plating and polishing sources that have been determined to be non-cyanide electroplating, electroforming, or electropolishing tanks (hereafter referred to as an "electrolytic" process tank) that contain one or more

**SECTION D. Source Level Requirements**

plating and polishing metal HAP and operate at a pH of less than 12:

(1) Electroless Nickel Line	Tank ID B.80.14	Nickel Strike
(2) Tin Line	Tank ID C.20.4	Nickel Plating
(3) Hand Line	Tank ID C.61.20	Nickel Plating
(4) Barrel Line	Tank ID F.33.8	Nickel Plating
(5) Barrel Line	Tank ID F.33.9	Nickel Plating

(b) Those sources in paragraph (a) above shall meet one of the following requirements:

(1) The permittee shall use a wetting agent/fume suppressant in the bath of the affected tank, such that:

(i) The permittee shall initially add the wetting agent/fume suppressant in the amounts recommended by the manufacturer for the specific type of electrolytic process;

(ii) The permittee shall add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank; and,

(iii) If a wetting agent/fume suppressant is included in the electrolytic process bath chemicals used in the affected tank according to the manufacturer's instructions, it is not necessary to add additional wetting agent/fume suppressants to the tank to comply with this rule.

(2) The permittee shall use a tank cover over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11507(b) and (c).]

(a) Tank ID C.63.15 (Hand Line), used for electropolishing/acid, has been determined to be a "flash" or short-term electroplating tank, as defined in 40 CFR § 63.11511, that uses or emits one or more of the plating and polishing metal HAP. The permittee shall meet one of the following two (2) requirements:

(1) The permittee shall limit short-term or "flash" electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time; or,

(2) The permittee shall use a tank cover for at least 95 percent of the plating time.

(b) If the permittee operates an affected process tank that is used both for short-term electroplating and for electrolytic processing of longer duration (i.e., processing that does not meet the requirements of (a) above) and contains one or more of the plating and polishing metal HAP, the permittee shall meet those requirements that are applicable to the method of operation being used.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11507(g) and 63.11508(d)]

(a) For all plating and polishing process units that contain, apply, or emit one or more of the plating and polishing metal HAP, the permittee shall implement the following applicable management practices, as practicable:

(1) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.

(2) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as

**SECTION D. Source Level Requirements**

practicable.

- (3) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
- (4) Use tank covers, if already owned and available at the facility, whenever practicable.
- (5) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
- (6) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
- (7) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
- (8) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
- (9) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
- (10) Minimize spills and overflow of tanks, as practicable.
- (11) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
- (12) Perform regular inspections to identify leaks and other opportunities for pollution prevention.
- (13) The permittee shall implement the above applicable management practices during all times that the affected tanks or processes are in operation.

(b) Affected sources include:

(1) Electroplating –

- |                             |                 |                |
|-----------------------------|-----------------|----------------|
| (i) Electroless Nickel Line | Tank ID B.80.14 | Nickel Strike  |
| (ii) Tin Line               | Tank ID C.20.4  | Nickel Plating |
| (iii) Hand Line             | Tank ID C.61.20 | Nickel Plating |
| (iv) Barrel Line            | Tank ID F.33.8  | Nickel Plating |
| (v) Barrel Line             | Tank ID F.33.9  | Nickel Plating |

(2) “Flash” (Short-term Electroplating) - Hand Line Tank ID C.63.15 Electropolishing/Acid

(3) Electroless/Conversion -

- |                              |                 |                    |
|------------------------------|-----------------|--------------------|
| (i) Zinc Barrel Line         | Tank ID A.10.5  | Chromate Tank      |
| (ii) Zinc Barrel Line        | Tank ID A.11.4  | Chromate Tank      |
| (iii) E Coat Line            | Tank ID A.70.8  | Chromate Tank      |
| (iv) Electroless Nickel Line | Tank ID B.80.7  | Electroless Nickel |
| (v) Zinc Rack Line           | Tank ID D.50.18 | Chromate Tank      |
| (vi) Zinc Rack Line          | Tank ID D.51.19 | Chromate Tank      |
| (vii) Barrel Line            | Tank ID F.40.21 | Chromate Tank      |
| (viii) Barrel Line           | Tank ID F.41.22 | Chromate Tank      |
| (ix) Barrel Line             | Tank ID F.43.23 | Chromate Tank      |

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11508(d).]

(a) The permittee shall prepare an annual compliance certification according to the requirements specified in 40 CFR § 63.11509(c) and keep it in a readily-accessible location for inspector review.

(b) If the permittee owns or operates an affected non-cyanide electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and uses a wetting agent/fume suppressant, the permittee shall demonstrate continuous compliance according to the following:

(1) The permittee shall record that wetting agent/fume suppressant has been added to the tank bath in the original make-up of the tank.

(2) For tanks where the wetting agent/fume suppressant is a separate purchased ingredient from the other tank additives, the permittee shall demonstrate continuous compliance according to the following:

(i) The permittee shall add wetting agent/fume suppressant in proportion to the other bath chemistry ingredients that are added to replenish the tank bath, as in the original make-up of the tank.

(ii) The permittee shall record each addition of wetting agent/fume suppressant to the tank bath.

(3) The permittee shall state in the annual compliance certification that a wetting agent/fume suppressant has been added to the bath according to the manufacturer's specifications and instructions.

(c) If the permittee owns or operates (1) an affected electroplating, electroforming, or electropolishing tank that contains one or more of the plating and polishing metal HAP and uses a control system to comply with 40 CFR Part 63, Subpart WWWWWW; (2) an affected dry mechanical polishing operation; or (3) an affected thermal spraying operation (with the exception of temporary thermal spraying operations), the permittee shall demonstrate continuous compliance according to the following requirements:

(1) The permittee shall operate and maintain the control system according to the manufacturer's specifications and instructions.

(2) Following any malfunction or failure of the capture or control devices to operate properly, the permittee shall take immediate corrective action to return the equipment to normal operation according to the manufacturer's specifications and operating instructions.

(3) The permittee shall state in the annual certification that the control system has been operated and maintained according to the manufacturer's specifications and instructions.

(4) The permittee shall record the results of all control system inspections, deviations from proper operation, and any corrective action taken.

(5) The permittee shall keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators.

(d) If the permittee owns or operates an affected flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP and that complies with 40 CFR Part 63, Subpart WWWWWW, by limiting the plating time for the affected tank, the permittee shall demonstrate continuous compliance according to following:

(1) The permittee shall limit short-term or flash electroplating to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

(2) The permittee shall record the times (start time and end time) that the affected tank is operated each day.

**SECTION D. Source Level Requirements**

(3) The permittee shall state in the annual compliance certification that the short-term or flash electroplating has been limited to no more than 1 cumulative hour per day or 3 cumulative minutes per hour of plating time.

(e) If the permittee owns or operate an affected batch electrolytic process tank that contains one or more of the plating and polishing metal HAP or a flash or short-term electroplating tank that contains one or more of the plating and polishing metal HAP, and the permittee complies with 40 CFR Part 63, Subpart WWWWWW, by operating the affected tank with a cover, the permittee shall demonstrate continuous compliance according to the following:

(1) The permittee shall operate the tank with the cover in place at least 95 percent of the electrolytic process operating time.

(2) The permittee shall record the times (start time and end time) that the tank is operated and the times (start time and end time) that the tank is covered on a daily basis.

(3) The permittee shall state in the annual certification that the tank has been operated with the cover in place at least 95 percent of the electrolytic process time.

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11504(a) and 63.11505(d)(6).]

(a) The following plating and polishing operations are subject to 40 CFR Part 63, Subpart WWWWWW, if they utilize cadmium, chromium, lead, manganese, and/or nickel, including any of these metals in the elemental form (with the exception of lead):

(1) Electroplating other than chromium electroplating (i.e., non-chromium electroplating).

(2) Electroless or non-electrolytic plating.

(3) Other non-electrolytic metal coating processes, such as chromate conversion coating, nickel acetate sealing, sodium dichromate sealing, and manganese phosphate coating; and thermal spraying.

(4) Electropolishing.

(b) The following plating and polishing lines have been deemed subject to 40 CFR Part 63, Subpart WWWWWW:

(1) Zinc Barrel Line;

(2) E Coat Rack Line;

(3) Tin Line;

(4) Hand Line;

(5) Barrel Line;

(6) Electro-less Nickel Line;

(7) Zinc Rack Line; and,

(8) Black Oxide Line.

(c) Any plating or polishing process that does not use any material that contains cadmium, chromium, lead, or nickel in amounts of 0.1 percent or more by weight, or that contains manganese in amounts of 1.0 percent or more by weight, as reported on the Safety Data Sheet for the material, shall be exempt from the requirements of Subpart WWWWWW.



**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11507.]

The permittee shall not perform the following polishing and plating operations without prior approval from the Department:

- (a) Electroplating that uses cyanide in the plating bath, operates at pH greater than or equal to 12, and contains one or more of the plating and polishing metal HAP.
- (b) Dry mechanical polishing that emits one or more of the plating and polishing metal HAP.
- (c) Thermal spraying that applies one or more of the plating and polishing metal HAP.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description		
030	CLEAVER BROOKS BOILER		
<b>Emission Limit</b>		<b>Pollutant</b>	
1.200	Lbs/MMBTU	SOX	
0.400	Lbs/MMBTU	TSP	
031	YORK SHIPLEY BOILER		
<b>Emission Limit</b>		<b>Pollutant</b>	
1.200	Lbs/MMBTU	SOX	
102	ULTRA KOOL DEGREASER		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.060	Tons/Yr	Total HAPs	Hazardous Air Pollutants
3.120	Tons/Yr	VOC	
103	MISC PLATING & POLISHING OPERATIONS		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	Applies to filterable PM only	TSP

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION G. Miscellaneous.**

- (a) Plan Approval PA-09-0177 forms a basis for certain terms and conditions of this State Only Operating Permit.
- (b) This permit has been renewed for another 5 year term (APS No. 551427, AUTH No. 912254). Per this authorization, the Department has determined that the Dip and Spin Operation is an insignificant source. The permittee shall maintain coating records such that VOC emissions can be readily determined and show that emissions of VOC are less than 2.7 tons per year.
- (c) This permit has been renewed for another 5 year term (APS No. 551427, AUTH No. 1187139). Per this authorization:
- (1) The Chemical Film Line under Source ID 103 has been removed.
  - (2) The E Coat Line, which was installed under RFD# 5507, has been included under Source ID 103.



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

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