

The following pages shall be considered to be redacted in full and have been removed from this permit. Pages 2-69; Pages 78-84; Pages 89-92; and Pages 94-106



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date:	May 7, 2014	Effective Date:	March 10, 2017
Revision Date:	March 10, 2017	Expiration Date:	
Revision Type:	Modification, Significant		

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

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

TITLE V Permit No: 46-00037

Federal Tax Id - Plant Code: 45-3504668-1

Owner Information

Name: GLOBAL ADVANCED METALS USA INC
Mailing Address: PO BOX 1608
COUNTY LINE RD
BOYERTOWN, PA 19512-6608

Plant Information

Plant: GLOBAL ADVANCED METALS USA/BOYERTOWN
Location: 46 Montgomery County 46924 Douglass Township
SIC Code: 3339 Manufacturing - Primary Nonferrous Metals, Nec

Responsible Official

Name: MARK LACKEY
Title: FACILITY GENERAL MANAGER
Phone: (610) 369 - 8175

Permit Contact Person

Name: JIM AMMEND
Title: S, H, & E SPECIALIST
Phone: (610) 369 - 8647

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

SECTION D. Source Level Requirements

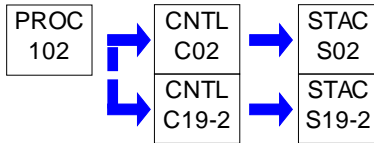
Source ID: 102

Source Name: TANTALUM SALTS PROCESS (B-19)

Source Capacity/Throughput:

N/A

TANTALUM

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Throughput Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 25 Pa. Code §129.99(c).]

- The permittee may operate the heating tanks concurrently.
- The number of batches per tank shall not exceed 364 batches per month.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



SECTION D. Source Level Requirements

(b) (7)(C), (b) (7)(D)

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

[REDACTED]



SECTION D. Source Level Requirements

(b) (7)(C), (b) (7)(D)

VI. WORK PRACTICE REQUIREMENTS.

[illegible]

**SECTION D. Source Level Requirements**

[REDACTED]

[REDACTED]

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 25 Pa. Code §129.99(c).]

The sources located in this building shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control practices.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

SECTION D. Source Level Requirements

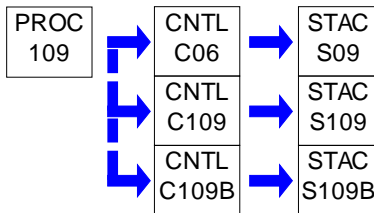
Source ID: 109

Source Name: TA ACID LEACHING/DRYING (B-47/101)

Source Capacity/Throughput:

N/A

TANTALUM POWDER

**I. RESTRICTIONS.**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The high capacitance powder production shall not exceed 500,000 pounds per year in a twelve (12) month rolling sum.

(b) The total combined powder production shall not exceed 1 million pounds per year in a twelve (12) month rolling sum.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**SECTION D. Source Level Requirements**

[REDACTED]

(c) Requirements for the vapor recovery unit (VRU) (Source ID C109)

(1) The vapor temperature at the VRU outlet shall not exceed 5 degrees Fahrenheit at all times when any of the Attritor mills are operating.

(2) The VRU shall not be bypassed at any time when any of the Attritor mills are operating.

II. TESTING REQUIREMENTS.

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

SECTION D. Source Level Requirements

[REDACTED]

[REDACTED]

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 25 Pa. Code §129.99(c).]

[REDACTED]

(e) The sources and APC units shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control practices.



SECTION D. Source Level Requirements

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**SECTION D. Source Level Requirements**

Source ID: 124

Source Name: EXTRACTION PROCESS (B-74)

Source Capacity/Throughput:

N/A

TANT/COL.SOLNS

PROC
124CNTL
C16STAC
S23**I. RESTRICTIONS.**

[REDACTED]

[REDACTED]

Control Device Efficiencies Restriction(s).

[REDACTED]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §129.99(c).]

(a) The Methyl Isobutyl Ketone (MIBK) recovery unit shall be operated at an overall annual recovery efficiency of at least 75 percent, by weight, exclusive of downtime for required maintenance.

(b) The maintenance downtime shall not exceed 250 hours on a twelve (12) month rolling period.

[REDACTED]

[REDACTED]

[REDACTED]

SECTION D. Source Level Requirements

[REDACTED]

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

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(b) The permittee shall keep records of:

- (1) the dates of the inspection and maintenance performed;
- (2) any deficiencies/malfunctions and the corrective action taken

[Compliance with this condition demonstrates compliance with 25 Pa. Code §129.100(d).]

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

The permittee shall keep records of the following to calculate the MIBK emissions

- (a) MIBK contents in the influent and effluent of the flash unit
- (b) The flow rates of the flash unit influent and effluent
- (c) MIBK content in the influent and effluent of the stripper
- (d) The flow rates of the stripper influent and effluent

[Compliance with this condition demonstrates compliance with 25 Pa. Code §129.100(d).]

**SECTION D. Source Level Requirements****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the dates and hours of the maintenance downtime of the MIBK recovery system.

[Compliance with this condition demonstrates compliance with 25 Pa. Code §129.100(d).]

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 25 Pa. Code §129.99(c).]

The sources located in this building shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control practices.

SECTION D. Source Level Requirements

[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	
[REDACTED]	

[REDACTED]

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: WASTEWATER TREATMENT PLANT

Source Capacity/Throughput: 5,833.000 Gal/HR WASTE WATER

PROC
201STAC
Z201

● [REDACTED]
[REDACTED]
[REDACTED].

● [REDACTED]
[REDACTED]
[REDACTED]

● [REDACTED]
[REDACTED]
[REDACTED] al [REDACTED]

● [REDACTED]

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall provide to the DEP, upon request, copies of records required by the NPDES Permit.

[Compliance with this condition demonstrates compliance with 25 Pa. Code §129.100(d).]

● [REDACTED]
[REDACTED]
[REDACTED]

● [REDACTED]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512 and 25 Pa. Code §129.99(c).]

The sources located in this building shall be operated and maintained in accordance with manufacturers' specifications and good air pollution control practices.

● [REDACTED]
[REDACTED]
[REDACTED]

[REDACTED]