



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM**

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 18, 2013

Effective Date: March 1, 2017

Revision Date: March 1, 2017

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: 41-00013**

Federal Tax Id - Plant Code: 13-3429951-1

**Owner Information**

Name: JW ALUM CO  
Mailing Address: 2475 TRENTON AVE  
WILLIAMSPORT, PA 17701-7904

**Plant Information**

Plant: JW ALUM CO/WILLIAMSPORT PLT  
Location: 41 Lycoming County 41001 Williamsport City  
SIC Code: 3353 Manufacturing - Aluminum Sheet, Plate, And Foil

**Responsible Official**

Name: LESLIE MAYES  
Title: PLT MGR  
Phone (570) 601 - 6455

**Permit Contact Person**

Name: JESSE HACKENBERG  
Title: ENGINEER  
Phone: (570) 966 - 4460

[Signature] \_\_\_\_\_  
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



**SECTION A. Table of Contents**

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**SECTION A. Table of Contents**

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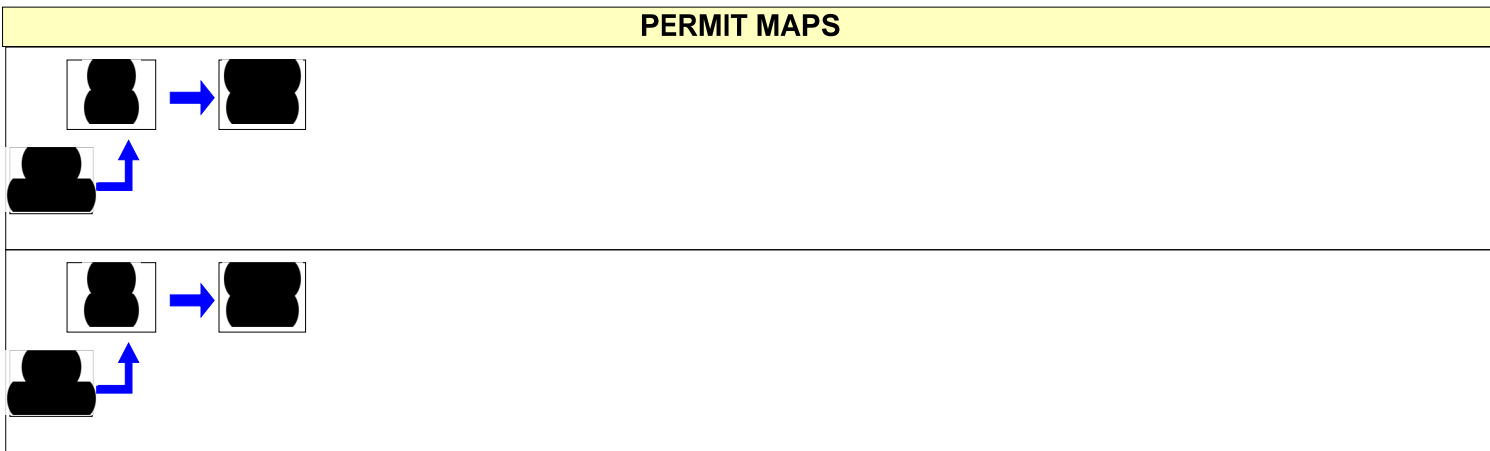
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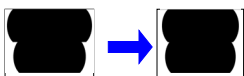
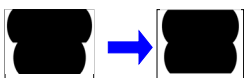
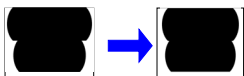
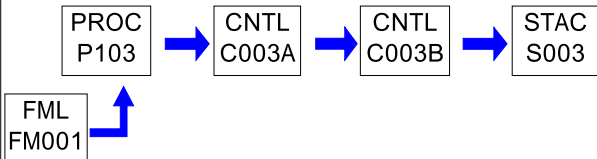
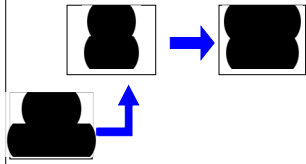
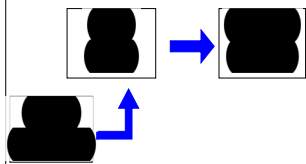
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
P101	COLD ROLL MILL 1		
P102	COLD ROLL MILL 2		
P103	COLD ROLL MILL 3		
P104	COLD ROLL MILL 4		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
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[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
C001	VANE SEPARATOR-MILL 1		
C002	VANE SEPARATOR-MILL 2		
C003A	FILTER SYSTEM		
C003B	REGENERATIVE THERMAL OXIDIZER		
C004	TWO STAGE FILTER SYSTEM-MILL 4		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
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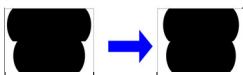
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
[REDACTED]	[REDACTED]		
S001	MILL 1 STACK		
S002	MILL 2 STACK		
S003	REGENERATIVE THERMAL OXIDIZER EXHAUST		
S004	MILL 4 STACK		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
[REDACTED]	[REDACTED]		
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**PERMIT MAPS**



**PERMIT MAPS**





**SECTION B. General Title V Requirements**

<p>[REDACTED]</p> <p>[REDACTED]</p>	<p>[REDACTED]</p> <p>[REDACTED]</p>
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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION B. General Title V Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION C. Site Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

● [REDACTED]

[REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: COLD ROLL MILL 1

Source Capacity/Throughput:

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

[REDACTED]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

(a) The volatile organic compound emissions from Source ID P101 shall not at any time exceed a rate of 30.5 pounds per hour.

(b)\* The total combined volatile organic compound emissions from Source IDs P101 and P102 shall not exceed 225 tons in any 12 consecutive month period (as determined by the Department).

\*This emissions cap does not provide any relief from obtaining a plan approval for any future physical change or change in the method of operation of Source IDs P101 or P102 at the facility. Future applicability determinations must consider the baseline actual emissions of the emission unit(s) and not the cap. Furthermore by accepting this cap and agreeing to consider the two sources as one emission for NSR/PSD purposes, any future applicability determinations must involve both P101 and P102, e.g. should major NSR/PSD be triggered for either source, BACT/LAER is required for both P101 and P102.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.100(c)(1)(ii)]

The compliance testing on this source that occurred May 4 and 5, 2015 satisfies the testing requirements of 25 Pa. Code Section 129.100.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

Source ID P101 shall be equipped with instrumentation which accurately monitors the coolant/lubricant flow rate to the mill and the mill speed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)]

(a) The permittee shall keep records of the following information:

(1) The number of hours that Source ID P101 is operated on a monthly basis.

**SECTION D. Source Level Requirements**

- (2) The amount of Norpar 14 purchased on a monthly basis.
- (3) The amount of Isopar G and the amount of Isopar L purchased per month.
- (4) The amounts and types of all coolant/lubricants and other volatile organic compound-containing materials used per month in Source ID P101 other than Isopar G and Isopar L.
- (5) The volatile organic compound stack test results and reports for Source ID P101.
- (6) The supporting calculations used to verify compliance with the volatile organic compound emission limitation in Lbs/Hr for Source ID P101, and compliance with the annual volatile organic compound emission limitation for Source IDs P101 and P102.
- (7) Bulk coolant/lubricant temperature records that verify compliance with the bulk coolant/lubricant temperature limitation.
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

● [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**VI. WORK PRACTICE REQUIREMENTS.**

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

(a) Rags used during the hand cleaning of equipment with organic solvents shall be stored in closed containers prior to reuse or disposal. The rags shall not be subjected to air drying or any other treatment process intended to intentionally promote the evaporative loss of organic solvent.

(b) Containers of all volatile organic compound-containing materials shall remain closed when not in actual use.

**VII. ADDITIONAL REQUIREMENTS.**

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

(a) Source ID P101 is a 60 inch wide, four high Lowey-Davis aluminum cold rolling mill (Mill #1), the air contaminant emissions from which shall be controlled by Control Device ID C001.

(b) Control Device ID C001 is an impingement vane separator.

**# 009 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

The coolant/lubricant used in Source ID P101 shall be limited to NORPAR 698 (blend 75% NORPAR-13 and 25% NORPAR-15) or such other products as may be determined to be equivalent by the Department. The only exception to this will be the

**SECTION D. Source Level Requirements**

use of Isopar G or Isopar L in plannish operations only.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) The coolant/lubricant application rate at Source ID P101 shall be maintained at the lowest rate possible without adversely affecting product quality. The bulk coolant/lubricant temperature shall not exceed 110°F. The temperature of the bulk coolant/lubricant shall be recorded at least once per day when Source ID P101 is in operation.

(b) Control Device ID C001 shall be equipped with drains which shall be kept open and free-flowing at all times.

**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: COLD ROLL MILL 2

Source Capacity/Throughput:

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

[REDACTED]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

(a) The volatile organic compound emissions from Source ID P102 shall not at any time exceed a rate of 30.5 pounds per hour.

(b)\* The total combined volatile organic compound emissions from Source IDs P101 and P102 shall not exceed 225 tons in any 12 consecutive month period (as determined by the Department).

\*This emissions cap does not provide any relief from obtaining a plan approval for any future physical change or change in the method of operation of Source IDs P101 or P102 at the facility. Future applicability determinations must consider the baseline actual emissions of the emission unit(s) and not the cap. Furthermore by accepting this cap and agreeing to consider the two sources as one emission for NSR/PSD purposes, any future applicability determinations must involve both P101 and P102, e.g. should major NSR/PSD be triggered for either source, BACT/LAER is required for both P101 and P102.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.100(c)(1)(ii)]

The compliance testing on this source that occurred May 4 and 5, 2015 satisfies the testing requirements of 25 Pa. Code Section 129.100.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

Source ID P102 shall be equipped with instrumentation which accurately monitors the coolant/lubricant flow rate to the mill and the mill speed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)]

(a) The permittee shall keep records of the following information:

(1) The number of hours that Source ID P102 operated on a monthly basis.

**SECTION D. Source Level Requirements**

- (2) The amount of coolant/lubricant purchased per month.
- (3) The amount of Isopar G and the amount of Isopar L purchased on a monthly basis.
- (4) The amounts and types of all coolant/lubricants and other volatile organic compound-containing materials used per month in Source ID P102 other than Isopar G and Isopar L.
- (5) The volatile organic compound stack test results and reports for Source ID P102.
- (6) The supporting calculations used to verify compliance with the volatile organic compound emission limitation in Lbs/Hr for Source ID P102, and compliance with the annual volatile organic compound emission limitation for Source IDs P101 and P102.
- (7) Bulk coolant/lubricant temperature records that verify compliance with the bulk coolant/lubricant temperature limitation.
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**VI. WORK PRACTICE REQUIREMENTS.**

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.99(d)]

(a) Rags used during the hand cleaning of equipment with organic solvents shall be stored in closed containers prior to reuse or disposal. The rags shall not be subjected to air drying or any other treatment process intended to intentionally promote the evaporative loss of organic solvent.

(b) Containers of all volatile organic compound-containing materials shall remain closed when not in actual use.

**VII. ADDITIONAL REQUIREMENTS.**

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) Source ID P102 is a 60 inch wide, four high Pittsburgh aluminum cold rolling mill (Mill #2), the air contaminant emissions from which shall be controlled by Control Device ID C002.

(b) Control Device ID C002 is an impingement vane separator.

**# 009 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

The coolant/lubricant used in Source ID P102 shall be limited to NORPAR 698 (blend 75% NORPAR-13 and 25% NORPAR-15) or such other products as may be determined to be equivalent by the Department. The only exception to this will be the

**SECTION D. Source Level Requirements**

use of Isopar G or Isopar L in plannish operations only.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) The coolant/lubricant application rate at Source ID P102 shall be maintained at the lowest rate possible without adversely affecting product quality. The bulk coolant/lubricant temperature shall not exceed 110°F. The temperature of the bulk coolant/lubricant shall be recorded at least once per day when Source ID P102 is in operation.

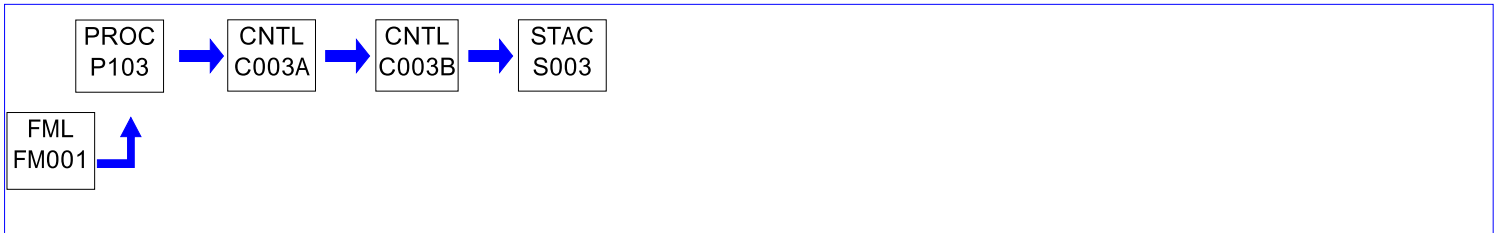
(b) Control Device ID C002 shall be equipped with drains which shall be kept open and free-flowing at all times.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: COLD ROLL MILL 3

Source Capacity/Throughput:

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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

**# 003 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

Source ID P103 shall not emit volatile organic compounds into the outdoor atmosphere at a rate in excess of 2.0 pounds per hour. This emission limit includes any fugitive volatile organic compound emissions which escape capture by the air contaminant emission capture system associated with Source ID P103 and Control Device IDs C003A and C003B. The total volatile organic compound emissions from Source ID P103 which includes any fugitive volatile organic compound emissions which escape capture by the air contaminant emission capture system associated with Source ID P103 and Control Device IDs C003A and C003B, and any fugitive volatile organic compound emissions from the associated process tanks (including those listed for cold roll mill #3 under Source ID P111); shall not exceed 8.4 tons in any 12 consecutive month period, as determined by the Department.

[REDACTED]

[REDACTED]

[REDACTED]

**Operation Hours Restriction(s).**

**# 005 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

(a) The permittee shall not operate Source ID P103 more than 8,000 hours in any 12 consecutive month period.

(b) Source ID P103 shall not at any time be operated without the simultaneous operation of IDs C003A and C003B.

**Control Device Efficiencies Restriction(s).**

**# 006 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

(a) Control Device ID C003B shall maintain a minimum volatile organic compound destruction efficiency of 95% when the inlet volatile organic compound concentrations are greater than or equal to 200 ppmv, measured as propane. When the

**SECTION D. Source Level Requirements**

volatile organic compound concentrations at the inlet to ID C003B are less than 200 ppmv, measured as propane, the outlet volatile organic compound concentration shall not exceed 10 ppmv, measured as propane.

(b) Control Device ID C003B shall be operated at a combustion chamber temperature of 1400°F or greater at all times that Source ID P103 is in operation except during the performance of stack testing specifically intended to determine the oxidizer destruction efficiency and/or volatile organic compound emission rate at lower oxidizer operating temperatures.

**II. TESTING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.100(c)(1)(ii)]

The compliance testing on this source that occurred May 4 and 5, 2015 satisfies the testing requirements of 25 Pa. Code Section 129.100.

**III. MONITORING REQUIREMENTS.**

[REDACTED]

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12 and 129.99(d) and 40 CFR Part 64, Section 64.6]

(a) Control Device ID C003B shall incorporate a temperature interlock to prevent operation of the Source ID P103 until Control Device ID C003B is operating at the required minimum temperature of 1400°F.

(b) Control Device ID C003B shall be equipped with instrumentation to continuously monitor and record the inlet temperature, outlet temperature and combustion chamber temperature. These parameters shall be monitored and recorded continuously whenever Source ID P103 is in operation. The recorder shall be equipped with an audible alarm to notify the permittee when an excursion has occurred.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) The permittee shall keep records of the following information:

(1) The number of hours that Source ID P103 operated on a monthly basis.

(2) The combustion chamber temperatures of Control Device ID C003B on a continuous basis.

(3) The amounts and types of all lubricants/coolants and other volatile organic compound-containing materials used each month in Source ID P103.

(4) The supporting calculations used to verify compliance with the lbs/hr volatile organic compound emission limitation for Source ID P103, and compliance with the volatile organic compound emissions limitation for Source ID P103 in any 12





**SECTION D. Source Level Requirements**

consecutive month period.  
(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

[REDACTED]

[REDACTED]

**VII. ADDITIONAL REQUIREMENTS.**

**# 014 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99d( )]  
(a) Source ID P103 is a 10" & 28" x 64" & 62" Pittsburgh cold aluminum rolling mill which is also known as the #3 mill. The air contaminant emissions capture system associated with Source ID P103 shall include a Busch Fume Shield and Jet-Wall mill hooding, and Busch Fume Shield mill closures, and shall capture all of the air contaminant emissions from Source ID P103. The air contaminant emissions capture system shall have a minimum number of openings with the least



**SECTION D. Source Level Requirements**

amount of surface space possible.

(b) The air contaminant emissions from Source ID P103 shall be controlled by Control Device IDs C003A and C003B in series.

(c) Control Device ID C003A is a Busch PPS filter system.

(d) Control Device ID C003B is a 4.4 million Btu per hour, natural gas fired, Trinity horizontal regenerative thermal oxidizer.

**# 015 [25 Pa. Code §127.441]  
Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

The lubricant/coolant application rate and temperature for Source ID P103 shall be maintained at the lowest levels possible without adversely affecting product quality.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

The only lubricants/coolants to be used in Source ID P103 shall be NORPAR-13, NORPAR-15, ISOPAR G or lubricants/coolants which the Department has determined are of equivalent volatility and hazardous air pollutant content to NORPAR 15 and ISOPAR G. Additive materials may be used as needed with these lubricants/coolants to the extent that the evaporative potential of the lubricant/coolant blend as measured by vapor pressure, is not increased by their addition.

[REDACTED]

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**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: COLD ROLL MILL 4

Source Capacity/Throughput:



**I. RESTRICTIONS.**

**Emission Restriction(s).**

[REDACTED]

[REDACTED]

**# 002 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]  
 The volatile organic compound emission rate from Source ID P104 shall not exceed 6.0 pounds per hour.

**II. TESTING REQUIREMENTS.**

**# 003 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(c)(1)(ii)]  
 The compliance testing on this source that occurred September 29, 2015 satisfies the testing requirements of 25 Pa. Code Section 129.100.

**III. MONITORING REQUIREMENTS.**

[REDACTED]

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**IV. RECORDKEEPING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**  
**Operating permit terms and conditions.**  
 [Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)]  
 (a) The permittee shall keep records of the following information:  
 (1) The number of hours that Source ID P104 operated on a monthly basis.

**SECTION D. Source Level Requirements**

- (2) The amounts and types of all coolant/lubricants, additives and other volatile organic compound-containing materials used per month in Source ID P104.
- (3) The volatile organic compound stack test results and reports for Source ID P104.
- (4) The supporting calculations used to verify compliance with the volatile organic compound emissions limitation in Lbs/Hr for Source ID P104.
- (5) The daily records of the bulk lubricant temperature, lubricant application temperature, lubricant application rate and Mill speed.
- (6) Pressure drop across Control Device ID C004
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) Rags used during the hand cleaning of equipment with organic solvents shall be stored in closed containers prior to reuse or disposal. The rags shall not be subjected to air drying or any other treatment process intended to intentionally promote the evaporative loss of organic solvent.

(b) Containers of all volatile organic compound-containing materials shall remain closed when not in actual use.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]

The only lubricant to be used in association with Source ID P104 shall be Exxon NORPAR 15 or its equivalent (as determined by the Department). D.A. Stuart Co. BC-21-AE and BC-23-A (or such additives as may be determined by the Department to be equivalent) may be added to the NORPAR 15.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.99(d)]

(a) Source ID P104 is a United Engineering 60 inch wide, four-high aluminum cold rolling mill (Mill #4), the air contaminant emissions from which shall be controlled by Control Device ID C004.


(b) Control Device ID C004 is a two-stage Busch filtration system (ID C004), consisting of a PPS synthetic fiber pre-filter followed by a CECO annealed fiberglass deep-bed final filter, and a Busch stack skimmer.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 129.99(d)]



## SECTION D. Source Level Requirements

- (a) The lubricant application rate and the bulk lubricant temperature associated with Source ID P104 shall be maintained at the lowest levels which do not adversely affect product quality.
  - (b) No change shall be made to the mill enclosure or exhaust system associated with Source ID P104 which would eliminate or compromise any of the emission-minimizing design features identified in the plan approval application OP-41-0007.
  - (c) The exhaust fan shall be located downstream of Control Device ID C004.
  - (d) Both filter housings and any low points in the exhaust system ductwork for Source ID P104 shall be equipped with free-flowing drains.
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**SECTION D. Source Level Requirements**

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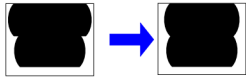
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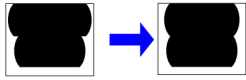
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**VII. ADDITIONAL REQUIREMENTS.**

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**SECTION D. Source Level Requirements**

[Redacted text block]

• [Redacted text]

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[Redacted text block]

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• [Redacted text]

[Redacted text block]

• [Redacted text]

[Redacted text block]

[Redacted text block]



**SECTION D. Source Level Requirements**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

[REDACTED]



• [REDACTED]

[REDACTED]

[REDACTED]

• [REDACTED]

[REDACTED]

• [REDACTED]

[REDACTED]

• [REDACTED]

[REDACTED]

• [REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

● [REDACTED]

[REDACTED]

● [REDACTED]

[REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

● [REDACTED]  
[REDACTED]

● [REDACTED]

[REDACTED]
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[REDACTED]

**SECTION D. Source Level Requirements**

[Redacted]



[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]





**SECTION D. Source Level Requirements**

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• [Redacted text]

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• [Redacted text]

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• [Redacted text]

[Redacted text block]

[Redacted text]





**SECTION D. Source Level Requirements**

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**SECTION D. Source Level Requirements**

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

• [REDACTED]

[REDACTED]

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• [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



**SECTION D. Source Level Requirements**

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[Redacted text line]

[Redacted text block]

[Redacted text block]

[Redacted text block]



**SECTION D. Source Level Requirements**

<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>

<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>
<p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p> <p>[REDACTED]</p>



**SECTION D. Source Level Requirements**

[Redacted text block]

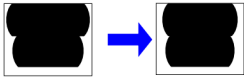
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[Redacted text block]

[Redacted text block]

**SECTION D. Source Level Requirements**

[REDACTED] [REDACTED]  
[REDACTED]



• [REDACTED]  
[REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]

• [REDACTED]  
[REDACTED]  
[REDACTED]





**SECTION D. Source Level Requirements**

[Redacted]

[Redacted]



**SECTION E. Alternative Operation Requirements.**

[REDACTED]

[REDACTED]



**SECTION F. Emission Restriction Summary.**

[Redacted]

[Redacted]



**SECTION G. Miscellaneous.**

[Redacted text block containing multiple paragraphs of obscured content]



**SECTION G. Miscellaneous.**

[Redacted text block containing approximately 20 lines of blacked-out content]





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

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