



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

June 20, 2013

Re: Washington County
Globe Metallurgical
Compliance Evaluation Inspection
NPDES Permit 01D00005*ID
Application OH0007498

Mr. Matthew Greene, Environmental Manager
Globe Metallurgical, Inc.
P.O. Box 157
Beverly, Ohio 45715

Dear Mr. Greene:

On May 30, 2013, a Compliance Evaluation Inspection (CEI) was conducted at Globe Metallurgical's Beverly Plant. The purpose of the inspection was to determine Globe's compliance with its National Pollutant Discharge Elimination System (NPDES) Permit. Present for the inspection were Matthew Greene representing Globe and Stephen Wells representing Ohio EPA, Southeast District Office. No wastewater samples were taken as part of the inspection. A copy of my inspection report is attached.

As a result of my inspection, I have the following comments:

1. Globe has had NPDES Permit effluent violations for Total Suspended Solids at its Outfall 001. Some of these violations are due to the flows being high due to the storm water being included in this outfall. Ohio EPA will look at the loadings at this outfall in the next NPDES Permit renewal.
2. Globe is in the process of looking at some upgrades at its sanitary wastewater plant. Please keep this office informed of the upgrades that will be completed to help maintain compliance with the NPDES Permit at this outfall.
3. The two oil/water separators at the facility were cleaned in April.
4. Globe only performs the analytical tests for chlorine residual, pH and dissolved oxygen at the site. All other NPDES Permit parameters are done by a contract lab. The analytical methods and record keeping appeared to be appropriate for the three parameters done by Globe.

No response is requested at this time to the above comments.

In conclusion, Globe Metallurgical appeared to be compliance with its NPDES Permit at the time of the inspection.

If you have any questions, feel free to contact me at (740) 380-5434.

Sincerely,

A handwritten signature in black ink that reads "Stephen Wells". The signature is written in a cursive style with a large initial "S".

Stephen Wells
District Representative
Division of Surface Water

SW/dh

Enclosure



State of Ohio Environmental Protection Agency
Southeast District Office

Industrial NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES #	Month/Day/Year	Inspection Type	Inspector	Facility Type
01D00005*ID	OH0007498	May 30, 2013	C	S	2

Section B: Facility Data			
Name and Location of Facility Inspected		Entry Time	Permit Effective Date
Globe Metallurgical, Inc. Sparling Road Waterford, Ohio 45786		9:00 a.m.	September 1, 2011
		Exit Time	Permit Expiration Date
		11:15 a.m.	August 31, 2016
Name(s) and Title(s) of On-Site Representative(s)		Phone Number(s)	
Matthew Greene, Environmental Manager		(740) 984-8608	
Name, Address, and Title of Responsible Official		Phone Number	
Matthew Greene, Environmental Manager Globe Metallurgical, Inc. P.O. Box 157 Beverly, Ohio 45715		(740) 984-8608	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)					
S	Permit	S	Flow Measurement	N/A	Pretreatment
S	Records/Reports	S	Laboratory	N/A	Compliance Schedules
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	--	Other
N/A	Collection System				

Section D: Summary of Findings (attach additional sheets if necessary)			
See attached letter.			
Inspector		Reviewer	
	6/21/13		6/21/13
Stephen Wells Division of Surface Water Southeast District Office	Date	Jennifer M. Witte Compliance & Enforcement Supervisor Division of Surface Water Southeast District Office	Date

Permit #:
NPDES #:

Sections E through K: Complete on all inspections as appropriate
Y = Yes; N = No; N/A = Not Applicable; N/E = Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee..... Y
- (b) Correct name and location of receiving waters Y
- (c) Do Categorical Standards apply? If yes, list applicable standards..... N
- (d) Product(s) and production rates conform with permit application (Industries) N/A
- (e) Flows and loadings conform with NPDES permit..... N
- (f) Treatment processes are as described in permit application Y
- (g) All discharges are permitted Y
- (h) Number and location of discharge points are as described in permit..... Y
- (i) Storm water discharges properly permitted Y

Comments/Status:

Flows at 001 increase due to storm water being discharged.

Section F: Compliance

- (a) Any significant violations since the last inspection Y
- (b) Appropriate Non-compliance notification of violations..... Y
- (c) Permittee is taking actions to resolve violations Y
- (d) Permittee has a compliance schedule N
- (e) Compliance schedule contained in N/A
- (f) Permittee is in compliance with schedule N/A
- (g) Has biomonitoring shown toxicity in discharge since last inspection N/E

Comments/Status:

Section G: Operation and Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available generator or dual feed Y
 - i. What does the back-up power source operate
Plant is located next to AEP Power Plant.
 - ii. How often is the generator tested under load
.....
- (b) Which components have an alarm system available for power or equipment failures
All
- (c) All treatment units in service other than backup units Y
- (d) What method is used for scheduling routine and preventative maintenance (calendar, software, etc.)
Software
- (e) Any major equipment breakdown since last inspection N
- (f) Operation and maintenance manual provided and maintained Y
- (g) Any plant bypasses since last inspection N
- (h) Any plant upsets since last inspection N

Comments/Status:

Section H: Sludge Management

- (a) Method of Sludge Disposal.....
 - Land Application
 - Haul to Another NPDES Permittee
 - Haul to a Mixed Solid Waste Landfill

*if one of the selected methods is land application, complete applicable charts.

Permit #:
 NPDES #:

Class A – Exception Quality Sewage Sludge (monitoring station 584)

Pathogen Reduction Alternative	84370 Vector Attraction Reduction Options							
	Option 1 – 38% Volatile Solids Reduction	Option 2 – Anaerobic Bench Scale Analysis	Option 3 – Aerobic Bench Scale Analysis	Option 4 – Specific Oxygen Uptake Rate	Option 5 – Aerobic Time and Temperature	Option 6 – Alkali Addition	Option 7 - >75% Solids without Unstabilized Solids	Option 8 - >75% Solids with Unstabilized Solids
Alternative 1 – Time and Temperature Regime (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – High pH and High Temperature (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 3 – Other Processes (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 4 – Unknown Processes (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Composting (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Heat Drying (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Heat Treatment (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Thermophilic Aerobic Digestion (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Beta Ray Irradiation (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Gamma Ray Irradiation (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 – Pasteurization (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 6 – Approved Equivalent Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Class B – Sewage Sludge (monitoring station 581)

Pathogen Reduction Alternative	84370 Vector Attraction Reduction Options									
	Option 1 – 38% Volatile Solids Reduction	Option 2 – Anaerobic Bench Scale Analysis	Option 3 – Aerobic Bench Scale Analysis	Option 4 – Specific Oxygen Uptake Rate	Option 5 – Aerobic Time and Temperature	Option 6 – Alkali Addition	Option 7 - >75% Solids without Unstabilized Solids	Option 8 - >75% Solids with Unstabilized Solids	Option 9 – Land Injection	Option 10 – Immediate Incorporation
Alternative 1 – Geometric Mean of Seven Fecal Samples (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Aerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Air Drying (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Anaerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Composting (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Lime Treatment (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 3 – Approved Equivalent Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Permit #:
NPDES #:

- (b) Has amount of sludge generated changed significantly since the last inspection N
- (c) How much sludge storage is provided at the plant
- (d) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06) Y
- (e) Any complaints received in last year regarding sludge N
- (f) 5/8" screen at headworks for facilities that land apply sludge N/A
- (g) Are sludge application sites inspected to verify compliance with NPDES permit N/A
- (h) Is a contractor used for sludge disposal Y
If so, what is the name of the contractor

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices operated and maintained..... N/A
Type of device (e.g., weir with ultrasonic level sensor):
- (b) Calibration frequency adequate N/A
Date of last calibration:
- (c) 24-hour recording instruments operated and maintained N/A
- (d) Flow measurement equipment adequate to handle full range of flows N/A
- (e) Actual flow discharged is measured N
- (f) Flow measuring equipment inspection frequency
Daily: Weekly: Monthly: Other:

Comments/Status:

Permit #:
NPDES #:

Sampling:

- | | |
|---|---|
| (a) Sampling location(s) are as specified by permit | Y |
| (b) Parameters and sampling frequency agree with permit | Y |
| (c) Permittee uses required sampling method (see GLC page) | Y |
| (d) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e., continuous monitoring instrumentation, calibration and maintenance records)..... | Y |

Comments/Status:

Laboratory:

General

- | | |
|---|---|
| (a) Does the Quality Assurance Manual contain written Standard Operating Procedures (SOP's) for all analysis performed onsite | Y |
| (b) Do SOP's include the following if applicable | Y |

- | | |
|---|--|
| <ul style="list-style-type: none">● Title● Scope and Application● Summary● Sample Handling & Preservation● Interferences● Apparatus and Materials● Reagents | <ul style="list-style-type: none">● Procedure● Calculations● Quality Control● Maintenance● Corrective Action● Reference (Parent Method) |
|---|--|

Note: Standard Methods 1020A establishes that "Quality assurance (QA) is the definitive program for laboratory operation that specifies the measure required to produce defensible data of known precision and accuracy. Standard operating procedures are to be used in the laboratory in sufficient detail that a competent analyst unfamiliar with the method can conduct a reliable review and/or obtain acceptable results." SOPs should be developed for each analytical procedure.

- | | |
|---|-----|
| (c) EPA approved analytical testing procedures used (40 CFR 136.3) | Y |
| (d) If alternate analytical procedures are used, proper approval has been obtained | N/A |
| (e) Analyses being performed more frequently than required by permit..... | Y |
| (f) If (e) is yes, are results in permittee's self-monitoring report..... | Y |
| (g) Satisfactory calibration and maintenance of instruments/equipment (see score from GLC page) | Y |
| (h) Commercial laboratory used..... | Y |

Parameters analyzed by commercial lab: **All parameters except pH, chlorine residual and DO**

Lab name: **Microbac**

Permit #:
NPDES #:

Discharge Monitoring Report Quality Assurance (DMRQA)

- (a) Participation in latest USEPA quality assurance performance sampling N
Date:
- (b) Were any parameters "Unsatisfactory" N/A
- (c) Reasons for "Unsatisfactory" parameters

Comments/Status:

Section J: Effluent/Receiving Water Observations

Outfall #: **001**
Outfall Description: **Clear**

Receiving Stream: **Muskingum River**
Receiving Stream Description: **Good**

Comments/Status:

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work & storage areas or laboratories N
- (b) Do you notice staining or discoloration of soils, pavement or floors..... N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities N

If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (2) Is the observed condition or source a waste product?
- (3) Where is the suspected contaminant normally disposed?
- (4) Is this disposal permitted?
- (5) How long has the condition existed and when did it begin?

Comments/Status: