



Environmental  
Protection Agency

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

Re: Erie County  
BMP Industries, LLC  
NPDES Permit

January 27, 2011

Mr. Ron Hibbard, Plant Manager  
12609 State Route 113  
P.O Box 57  
Birmingham, Ohio 44816-0057

Dear Mr. Hibbard:

On January 13, 2011, an inspection was made of the wastewater treatment facilities serving BMP Industries in conjunction with the renewal of your NPDES permit, which expires May 31<sup>st</sup>. In general, both operation and maintenance were good.

At the time of my visit, all major treatment components were in operation, and a clear final effluent was observed in the chlorine contact tank. Both surface sand filters have been rebuilt and the distribution box replaced. These were deficiencies noted during my last inspection. A review of NPDES discharge monitoring reports indicates periodic violations with final effluent permit limits. A copy of the violations is enclosed for your review.

In the near future you will be receiving a draft copy of the NPDES permit renewal. One notable revision is the inclusion of new operator certification and notification language. See included form. You should review the draft carefully, as there is a 30 day comment period to respond to any permit conditions. Once issued as a final document, it will remain in effect for another five year period.

Our inspection report is also included. If you have any questions, or any of the above is incorrect, please call me at (419) 373-3020, or email at [rick.zuzik@epa.state.oh.us](mailto:rick.zuzik@epa.state.oh.us)

Sincerely,

Richard A. Zuzik, MSE  
Division of Surface Water

/l/r

pc: Erie County Health Department  
Cleanwater Services  
↳ DSW-NWDO File ↵

OHIO ENVIRONMENTAL PROTECTION AGENCY  
 OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PRO0144

Facility Name Birmingham Metal Products Expiration Date 5-31-11

Facility Address 12609 SR 113 Date 1-13-11 Time 2<sup>15</sup> am/pm (pm)

City - County Crie Township Florence

Name and Address of Owner BMP, P.O. Box 57, Birmingham, OH 44816

Person Contacted Ron Hibbard, Plant mgr Owner Phone (440) 965-4041

Flow: Design 1500 GPD Present          GPD (metered - estimated)

Trib. Pop. 15 (actual - estimated) Weather at time of inspection: Temp 20° Cloudy

OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None	<u>/</u>	Clear	<u>/</u>	None	<u>/</u>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Sugar Creek - Not Observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has          excellent / good          fair          poor operation  
 b. Plant has          excellent / good          fair          poor maintenance  
 c. Sand filters have          excellent / good          fair          poor maintenance

- d. Not operating at expected efficiency due to:  
 (1)          hydraulic overload  
 (2)          organic/ solids overload  
 (3)          personnel inefficiency  
 (4)          equipment failure  
 (5)          wastes  
 (6)

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
<u>        </u>	<u>/</u>	Chlorination Tablets
<u>        </u>	<u>/</u>	Dechlorination Tablets
<u>        </u>	<u>        </u>	U.V.

Yes No /

4.          Compliance with NPDES Permit

Periodic Violations /          N          Parameters: Ammonia

Chronic Violations                           

5. /          Adequate plant safety

6. /          Operation and Maintenance Service Name Cleanwater Services

Frequency of Visits Quarterly

Facility Name:

BMP, Ind.

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: <i>Annually</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: <i>Dilute Brown</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<i>Clear</i>
	1	Sludge Return	In <input checked="" type="checkbox"/> Out
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>New D-box, new sand</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>Clear</i>
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00144*BD	March 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.31	3/1/2010
2PR00144*BD	August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	1.94	8/20/2009
2PR00144*BD	August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.94	8/1/2009
2PR00144*BD	August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.006	.00606	8/1/2009
2PR00144*BD	June 2010	001	31616	Fecal Coliform	30D Conc	1000	1400.	6/1/2010
2PR00144*BD	March 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.1	3/1/2009