



Environmental
Protection Agency

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

Re: Ashland County
Graphite Sales Inc
NPDES Permit

April 14, 2011

Mr. Thomas Hoffman
Graphite Sales Inc.
220 T.R. 791
Nova, Ohio 44859

Dear Mr. Hoffman:

On March 23, 2011, an inspection was made of the wastewater treatment facilities serving Graphite Sales, Inc., located at 220 T.R. 791, Nova, Ashland County. At the time of the inspection all major treatment units were in service and appeared to be operating normally. No major concerns were noted.

The eastern sand filter bed which was in use was ponded with the water level almost to the top of the filter walls. You stated the filter would be switched in the coming days to the western bed which was dry and ready for use.

A review of the onsite logs revealed that only one month's worth of data is kept at the treatment plant. A minimum of three months worth of the operations log should be kept in the mailbox at the wastewater plant. You stated this would be corrected immediately.

A review of the discharge monitoring reports submitted to our office for the months of August 2010 through February 2011 revealed five violations of the limits contained in your NPDES permit. These violations were for exceeding the ammonia limits in the months of January and February 2011. Our completed inspection report is enclosed for your review.

Our office has received a partial NPDES permit renewal application. We are still awaiting the form 2F for the stormwater discharge. You will receive a draft copy of the NPDES permit once it is written. Please look it over and contact our office with any comments. Please contact me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/cs

Enclosure

pc: BSW-NWDO w/enclosure
Lonnie McGhee, McGhee's TWSI w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00231

Facility Name Graphite Sales

Expiration Date 6/30/2011

Facility Address 220 TR 791

Date 3/23/11 Time 12:30

City Nova County Ashland

Township _____

Name and Address of Owner _____

Person Contacted Tom Hoffman Owner Phone _____

Flow: Design 1500 GPD Present 400-700 GPD (metered - estimated)

Trib. Pop. 36 (actual - estimated) Weather at time of inspection: Temp 60° sun

OEPA Personnel Walter Aries District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream Name: Buck Creek - not observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input type="checkbox"/>	Clear	<input type="checkbox"/>	None	<input type="checkbox"/>	Colorless
1	Mild	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	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
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	<input checked="" type="checkbox"/> U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations N Parameters: NH3
 Chronic Violations _____ _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Mathews TWSI

Frequency of Visits 1/week

Facility Name: Graphite Sales

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	<input checked="" type="checkbox"/>	Flow Equalization	okay
Aeration Equipment		Plant Timer <u>Y</u> <input checked="" type="checkbox"/> <u>N</u>	Cycle Time:
	<input checked="" type="checkbox"/>	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>color okay</i> Adequate Aeration: <u>Y</u> <input checked="" type="checkbox"/> <u>N</u>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	okay
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <u> </u>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>east set ponded west ready but needs rebed</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	<input checked="" type="checkbox"/>	Ultraviolet (UV)	out
Flow Metering		Elapsed Pump Time	
	<input checked="" type="checkbox"/>	Recorder (continuous total)	on water meter
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (Flow) Flow EQ	okay
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	okay
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	on
		Spray Irrigation	
		Other	