



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Ashland County
Graphite Sales Inc
NPDES Permit

February 2, 2010

Mr. Thomas Hoffman
Graphite Sales Inc.
220 Township Road 791
Nova, Ohio 44859

Dear Mr. Hoffman:

On January 14, 2010, an inspection was made of the wastewater treatment facilities serving Graphite Sales Inc., located at 220 Township Road 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. Jerry of your staff was present during the inspection.

During the inspection we discussed the belts that had been placed over the aeration tanks in order to insulate them. While this is acceptable, we recommend that if you choose to insulate the tanks that a different material be used. It could be possible that residuals from the industrial process may wash off of the belts and into the aeration system that is not designed to remove them. We discussed the use of foam board insulation that can be installed under the lips of the grating.

A review of the discharge monitoring reports submitted to our office for the months of May through December 2009, revealed three **violations** of the limits contained in your NPDES permit. Two violations occurred in May for exceeding the total suspended solids limit at the aeration plant and one violation occurred in October for exceeding the oil and grease limit at the stormwater outfall.

Our completed inspection report is enclosed for your review. Please contact me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: (DSW-NWDO File)
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. 24R000231

Facility Name Graphite Sales Expiration Date 6/30/2011

Facility Address 220 TR 791 Date 1/14/10 Time 11:00 am

City NOVA County Ashland Township _____

Name and Address of Owner _____

Person Contacted Tom Hoffman Owner Phone _____

Flow: Design 1,500 GPD Present 400-500 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 30° sunny

OEPA Personnel Walter Aris 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						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Buck 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
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	<input checked="" type="checkbox"/> U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, O₂G
 Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name McGhee's TWSE

Frequency of Visits 1/week

Facility Name: Graphite Sales

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	2	Flow Equalization	okay
Aeration Equipment	2	Plant Timer <u>Y</u> X N	Cycle Time: one eg blower on
		Motor/ Blower Unit <i>running</i>	two aeration blowers on
Secondary Treatment	2	Aeration Tank	Color: good color Adequate Aeration: <u>Y</u> X N
Final Settling	2	Clarifier	okay
	2	Sludge Return	In X Out
	2	Surface Skimmer	In X Out
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	Filters both fairly clean just had in use
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	2	Ultraviolet (UV)	off
Flow Metering		Elapsed Pump Time	
	2	Recorder (continuous total)	from water meter
Pumps	2	Raw Wastewater (type) FLOW EQ	okay
	2	Sand Filter Effluent Dosing	okay
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	2	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	2	Post Aeration	on
		Spray Irrigation	
		Other	