



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.state.oh.us

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

Re: Ashland County  
Graphite Sales, Inc.  
NPDES Permit

June 25, 2007

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

Dear Mr. Hoffman:

On June 22, 2007, an inspection was made of the wastewater treatment facilities serving Graphite Sales Inc., located at 220 Township Road 791, Nova, Ashland County. You were present to provide a tour of the facility and answer any questions regarding operations at the site. At the time of the inspection all major treatment units were in service and appeared to be operating normally. No major concerns were noted.

A new diffuser bar had been installed in the aeration tank. The UV disinfection system was operational, as well as the newly installed post aeration. We are pleased to see that these upgrades have been completed.

A review of the monthly operating reports submitted to our office for the months of October 2006, through May 2007, revealed only five violations of the limits contained in your NPDES permit. Three of these violations were for exceedences of the residual chlorine limit. The violations occurred before the installation of the UV system. No chlorine violations have occurred since then. It was also observed that an oil and grease violation occurred on November 16, 2006. The value reported was 100 mg/L. This value is extremely high and does not seem to match the trend of your other samples. It may be advantageous to confirm that the correct value was reported.

Please contact me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss  
Environmental Specialist II  
Division of Surface Water

/lir

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. 2PR200231

Facility Name Graphite Sales Expiration Date 6/30/2011

Facility Address 220 TR 791 Date 6/2/07 Time 3:30 am

City Nova County Ashland Township \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

Person Contacted Tom Hoffman Owner Phone \_\_\_\_\_

Flow: Design 6500 GPD Present ~550 GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 80° rain

OEPA Personnel Walter Aciss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<u>2</u>	Clear	<u>2</u>	None	<u>2</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: 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 2 good \_\_\_\_\_ fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent 2 good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent 2 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
<u>2</u>	_____ U.V.

Yes No

4. 2 \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations 2 Y N \_\_\_\_\_ Parameters: \_\_\_\_\_  
 Chronic Violations \_\_\_\_\_ 2 \_\_\_\_\_

5. 2 \_\_\_\_\_ Adequate plant safety

6. 2 \_\_\_\_\_ Operation and Maintenance Service Name McGhee's TWIST

Frequency of Visits 1/week

Facility Name: Graphite Sales

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	8	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	8	Flow Equalization	ok
Aeration Equipment	8	Plant Timer <u>Y</u> <del>N</del>	Cycle Time:
		Motor/ Blower Unit <i>running</i>	
Secondary Treatment	8	Aeration Tank	Color: <i>okay</i> Adequate Aeration: <u>Y</u> <del>N</del> <i>- new diffuser bar</i>
Final Settling	8	Clarifier	<i>okay</i>
	8	Sludge Return	In <del>X</del> Out <u>    </u>
	8	Surface Skimmer	In <del>X</del> Out <u>    </u>
		Fixed Media Clarifier	
Tertiary Treatment	8	Surface Sand Filter	<i>Both filters clean</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	8	Ultraviolet (UV)	
Flow Metering	8	Elapsed Pump Time	<i>filter dosing</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	8	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	8	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	8	Post Aeration	<i>or</i>
		Spray Irrigation	
		Other	