



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: Richland County  
Shelby Welded Tube  
NPDES Permit 2GS00009

June 17, 2008

Aaron Rothhaar  
Shelby Welded Tube  
P.O. Box 125  
5578 S.R. 61 North  
Shelby, Ohio 44875

Dear Mr. Rothhaar,

On May 16, 2008, an inspection was made of the wastewater treatment facilities serving Shelby Welded Tube located at 5578 S.R. 61 North, Shelby, Richland County. You were present during the inspection to answer any questions. At the time of the inspection all major treatment units were in operation and appeared to be functioning normally.

It was noted during the inspection that the eastern sand filter bed was ponded. A thick layer of sludge was present on the filter bed. A significant amount of solids was also noticed in the filter dosing station. It was evident that a solids "wash out" had occurred.

You mentioned that Adkins hauling service had been called to come out and remove some of the solids from the aeration tanks. They should also clean out the solids that are present in the filter dosing station. The flow to the filters should be switched to the western bed. The sludge in the eastern bed should be allowed to dry. It would be acceptable to place the dried sludge in bags, weigh the bags, and place them in the trash can. The weight of the sludge removed from the aeration tanks and filter beds should be reported on your discharge monitoring report.

During the inspection we also toured the operations taking place on the eastern side of S.R. 61. You indicated that the restrooms in this building drain to a holding tank located under the building. The tank is pumped out as needed. Our office has no records of an approval for the installation of this system.

We also observed the outdoor parts washing area located on the southwest corner of the building. It was recommended that some type of enclosure be installed around this area in order to prevent any overspray from reaching the storm sewer system. The facility currently has coverage under the industrial stormwater general NPDES permit. Please be aware that the permit requires annual sampling of the stormwater discharge for various pollutants. We observed an area on the northwest corner of the building where several five gallons buckets and some amount of trash

Mr. Aaron Rothhaar  
June 20, 2008  
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were stacked. You indicated that this trash was on property not associated with Shelby Welded Tube however it was owned by the same person who owns Shelby Welded Tube. This area appeared to drain onto the Welded Tube property and discharge through catch basins located on Welded Tube property. It would behoove the property owner to clean up this area in order to prevent any contaminated runoff from entering onto Welded Tube property and adversely effecting the stormwater discharge.

A review of your discharge monitoring reports submitted for September 2007 through April 2008 revealed two violations of the limits contained in your small sanitary discharger NPDES permit. The review of the discharge monitoring reports also revealed that the flow rate at the treatment plant can vary greatly from day to day. Typically sanitary flows remain relatively consistent at related facilities of this type. It may be necessary to confirm that only sanitary waste is sent to the treatment plant. No part washing or other cleaning waters associated with manufacturing should be sent to the treatment plant.

If you have any questions please call me at 419-373-3070.

Sincerely,



Walter Ariss  
Environmental Specialist II  
Division of Surface Water

/lb

Enclosed

~~pc:INWDO-DSW file~~

Richland County Health Department

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 26500009

Facility Name Shelby Welded Tube Expiration Date 12/31/09

Facility Address 5578 SR 61 Date 5/20/08 Time 11:30 am

City Shelby County Richland Township \_\_\_\_\_

Name and Address of Owner Ralph Phillips

Person Contacted Aaron Rothhaar Owner Phone \_\_\_\_\_

Flow: Design 2000 GPD Present 400-1600 GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 70° sunny

OEPA Personnel Walter Ariss 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: Shade Fork Mahoning River

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

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	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	U.V.

Yes No  
 4.  \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations Y N Parameters: CBOD violation in August '07  
 Chronic Violations \_\_\_\_\_

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

6.  \_\_\_\_\_ Operation and Maintenance Service Name Chem Tech  
 Frequency of Visits P

Facility Name: Shelby Woodland Twp

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <i>acceptable</i>
		Motor/ Blower Unit <i>running</i>	<i>off at night except 15 min/hr</i>
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>fairly clear</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>eastern side has sludge layer and ported / western filter clean</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>okay</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>okay</i>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<i>at filter dosing station</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>need to clean out dosing station / solids wash out</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	<i>Adkins scheduled to come pump</i>
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	