



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: Wyandot County
ODOT US 30 East
NPDES Permit

June 21, 2007

Mr. Tony Lotz
ODOT District 1
2000 North West Street
Lima, OH 45801

Dear Mr. Lotz:

On May 24, 2007, a Compliance Inspection was conducted at the US Route 30 Rest Area. This rest area is located along U.S. Route 30 eastbound in Wyandot County. Ms. Ann Scott, operator, was present and provided information regarding the operation of the sewage treatment plant (STP):

At the time of the inspection, the 20,000 gpd STP was in operation and the final effluent appeared visually clear. The mixed liquor had a brown color with a good roll. Listed below are our recommendations to enhance the plant's operation:

- 1) Continue to maintain a licensed/certified wastewater operator.
- 2) Continue to check the trash traps and pump them out if the scum layer is 8" deep or more or trash is appearing in the settling tank.
- 3) Continue to maintain the rate of aeration in the aeration tanks to establish good aeration and uniform rolling.
- 4) Regulate the skimmers so that they just break the surface tension of the liquid at the final clarifier.
- 5) Continue to level/clean the weir of the final clarifier so that a moderate amount of liquid passes evenly over the total length of it.
- 6) Gently scrape the sides of the final clarifier all around the hopper with slow, easy, downward motions, just enough to help move the sludge toward the bottom of the hopper. This procedure should be done at least once a week and will increase the solids being returned to the aeration tanks.

Mr. Tony Lotz
June 21, 2007
Page 2

7) The sand filters should be alternated by placing one sand bed in operation until a thin sludge layer restricts the flow. Place the other one in operation and isolate the first bed. Allow the sludge to dry and be removed from the bed. Level sand and level splash pad before being placed back into operation.

8) Continue to have sludge/solids/scum pumped and hauled by a licensed hauler for proper disposal.

Your existing NPDES permit (2PP00048*AD) for this discharge became effective June 1, 2003 and will expire on May 31, 2008. In order to continue to discharge beyond the date of expiration, the permittee shall submit an NPDES permit application as required by Ohio EPA no later than 180 days prior to the expiration date.

Our cursory review of your self-monitoring reports (3/2006 to 4/30/2007) for this STP showed a few effluent violations. Please refer to the enclosed summary of the effluent violations. A copy of our completed inspection report is also included for your records. Should you have any questions, please contact me at 419-373-3021.

Yours truly,



Jason Ko
Division of Surface Water

/csl

pc: Wyandot County Health Dept.
Ann Scott, Industrial Fluid Mgt.
DSW, NWDO File.

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

NPDES Permit No. 2PP00048

Facility Name ODOT U.S. Route 30-Wyandot County Expiration Date May 31, 2008

Facility Address US Route 30 East Date 5/24/07 Time 10:45 am

City Upper Sandusky County Wyandot Township Antrim

Name and Address of Owner ODOT District 1, 2000 North West Street, Lima, OH 45801

Contact Person Tony Lotz Phone 419-812-3069

Flow: Design 20,000 GPD Present 4,000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 80° Sunny

OEPA Personnel Jason Ko District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	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: 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 X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent X good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic underload
 (2) _____ organic/ solids underload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)	
IN	OUT
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
<u>X</u>	_____ U.V.

Yes No

4. X _____ Compliance with NPDES Permit

Periodic Violations X Y N Parameters: TSS, Ammonia & D.O

Chronic Violations _____

5. X _____ Adequate plant safety

6. X _____ Operation and Maintenance Service Name Industrial Fluid Mgt (419-782-8006)

Frequency of Visits 7/week

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: 1/QTR
		Grease Trap	Pumping Frequency:
	1	Bar Screen	located in equalization basin
		Comminutor	
	2	Flow Equalization	Circulated/mixed w/ 4 pumps
Aeration Equipment		Plant Timer <u>X</u> <u>Y</u> ___ <u>N</u>	Cycle Time: 2 hr "ON" & 1hr "OFF"
	2	Motor/ Blower Unit	
Secondary Treatment	2	Aeration Tank	Color : Brown Adequate Aeration: Y <u>X</u> N ___
Final Settling	1	Clarifier	w/ 2 hoppers
	2	Sludge Return	In <u>X</u> Out
	2	Surface Skimmer	In <u>X</u> Out
	2	Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	1	Ultraviolet (UV)	IN
Flow Metering		Elapsed Pump Time	
	2	Other	Water meters at the westbound/eastbound rest areas
Pumps	2	Raw Wastewater. (type)	In influent lift station
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	IN	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
2PP00048*AD	February 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	4.7	2/5/2007
2PP00048*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.81667	7/1/2006
2PP00048*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.74	7/8/2006
2PP00048*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.51	7/15/2006
2PP00048*AD	March 2007	001	00530	Total Suspended Solids	30D Conc	12	43.	3/1/2007
2PP00048*AD	March 2007	001	00530	Total Suspended Solids	7D Conc	18	43.	3/8/2007