



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-9461 FAX: (419) 352-8468  
www.epa.state.oh.us

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

Re: Huron County  
ODOT District 3 Garage  
NPDES Permit Inspection

September 20, 2007

Mr. Duane Rocha  
Ohio Department of Transportation  
906 N. Clark Street  
Ashland, Ohio 44805

Dear Mr. Rocha:

On August 27, 2007, an inspection was made of the wastewater treatment plant serving the ODOT District 3 Huron County Garage. Mr. Mike Griesbach was present and provided information on the maintenance and operation of the plant. The ODOT District 3 Huron County Garage is currently operating under National Pollutant Discharge Elimination System Permit (NPDES) No. 2PP00043\*BD. Our comments and recommendations are as follows:

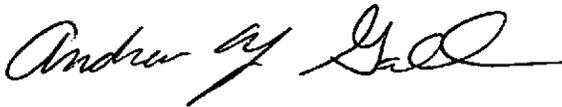
1. At the time of the inspection the contents of the aeration tank were very light brown/grey and had no noticeable odor. The rate of aeration appeared adequate. Currently, the blowers are operated on a timer and are on a cycle to operate for an hour and turn off for 15 minutes.
2. The clarifier effluent appeared clear. Both the sludge return and surface skimmer were operating and returning clear water to the aeration tank. Mr. Griesbach indicated this was due to the low plant loadings.
3. The sand filter beds were in operation and no solids or weed buildup was observed. Mr. Griesbach indicated that he rakes the beds each time he visits the plant. He has also built a cover structure that helps keep the beds from freezing and becoming unusable in the winter.
4. An air line has been installed in the sand filter dosing station to help meet the dissolved oxygen requirements.
5. Tablets were observed in the chlorinator and dechlorinator.

Mr. Duane Rocha  
September 20, 2007  
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6. Monthly operating reports have been submitted as required by your NPDES permit. A review of these reports since October 2002, shows that violations of the Nitrogen Ammonia (NH3) and CBOD 5 limits of your permit occurred in June 2006 as well as some frequency violations in May, 2003. However, since these issues appear to have been resolved we consider this plant to be in compliance.

We have received your NPDES permit application and have begun drafting your renewal permit. A draft copy of the renewal permit should be sent to you in the next several weeks. Please take the time to look it over and contact me at (419) 373-3003 or via email at [andrew.gall@epa.state.oh.us](mailto:andrew.gall@epa.state.oh.us) with any questions or comments. A copy of our inspection report and permit violations have been included for your review.

Sincerely,



Andrew Y. Gall  
Environmental Specialist II  
Division of Surface Water

/llr

Enclosures

pc: Mark J. Spagnuolo, ODOT Central Office  
Rick Puderbaugh, ODOT Central Office  
DSW=NWDO-File

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PP00043*BD	June 2006	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.105	6/1/2006
2PP00043*BD	June 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.01	6/1/2006
2PP00043*BD	June 2006	001	80082	CBOD 5 day	30D Conc	10	11.5	6/1/2006
2PP00043*BD	June 2006	001	80082	CBOD 5 day	7D Conc	15	19.8	6/1/2006

Get New Data

Permit No	Reporting Period	Violation		Reporting Code	Parameter	Sample		
		Date	Station			Frequency	Expected	Reported
2PP00043*BD	May 2003	5/1/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/2/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/3/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/4/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/5/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/6/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/7/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/8/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/9/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/10/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/11/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/12/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/13/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/14/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/15/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/16/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/17/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/18/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/19/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/20/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/21/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/22/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/23/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/24/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/25/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/26/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/27/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/28/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/29/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/30/2003	001	00056	Flow Rate	1/Day	1	0
2PP00043*BD	May 2003	5/31/2003	001	00056	Flow Rate	1/Day	1	0

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PP00043

Facility Name ODOT District 3 Huron Co. Garage Expiration Date 09/30/2007

Facility Address 760 Dublin Rd. Date 8/27/07 Time 10:00 am / pm

City Norwalk County Huron Township \_\_\_\_\_

Name and Address of Owner ODOT

Person Contacted Duane Rocha / Mike Griesbach Owner Phone \_\_\_\_\_

Flow: Design 1500 GPD Present 150-300 GPD (metered - estimated)

Trib. Pop. 7-9 people/day (actual - estimated) Weather at time of inspection: Temp 75° Sunny

OEPA Personnel Andrew Gall 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: Roadside Ditch

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

Plant not discharging to ditch during visit

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:

- N/A  
 (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"/>	_____ Chlorination Tablets
<input checked="" type="checkbox"/>	_____ Dechlorination Tablets
_____	<del>U.V.</del>

Yes No

4.  Compliance with NPDES Permit

Periodic Violations X N Parameters: NH<sub>3</sub>, CBOD<sub>5</sub> in June, 2006  
 Chronic Violations \_\_\_\_\_ X \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service

Name ODOT / Mike Griesbach  
 Frequency of Visits Minimum Once/week  
Usually Twice/week

Facility Name: ODOT District 3 Huron Co. Garage

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: <i>At Building</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	<i>At Plant</i>
Aeration Equipment	2	Plant Timer: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <i>Hour on, 15 min off</i>
		Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: <i>Light Grey/Brown</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<i>Clear water, not discharging during visit</i>
	1	Sludge Return	In <input checked="" type="checkbox"/> Out <i>Clear / Low</i>
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out <i>Clear / loadings in sludge</i>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>Filters are raked every time Mike visits</i>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
	1	Chlorine Tube Feeder	<i>Tablets in place</i>
	1	Dechlorination Tube Feeder	<i>Tablets in place</i>
		Ultraviolet (UV)	
Flow Metering	1	Elapsed Pump Time	<i>Hour meter on sand filter dosing pumps</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	<i>Pump station dosing tank a/crated</i>
Sludge Handling	/	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	/	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	/	Post Aeration	
		Spray Irrigation	
		Other	