



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

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

July 18, 2007

Re: Guernsey County
ODOT Rest Area Inspections
Rest Areas 05-27, 05-29, 05-30
Correspondence (PWW)

Mr. Terry Gregg, Operator
ODOT, District 5
P.O. Box 306
Jacksontown, Ohio 43030

Dear Mr. Gregg:

On July 11, 2007, I conducted compliance evaluation inspections of the three ODOT rest area's wastewater treatment plants located in Guernsey county. The purpose of the inspections was to determine compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permits for each facility. The inspections at each facility were conducted in your presence and the findings of the three inspections are summarized below.

As a result of the inspection, I have the following comments:

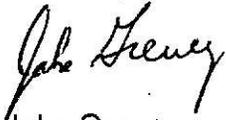
1. The aeration basin at the ODOT Rest Area 05-27 located along I-70 East was observed with a large quantity of foam and the return activated sludge appeared very weak. The presence of foam as well as a slight sheen in the clarifier may indicate that a toxic substance was dumped into the waste stream killing the microorganisms. The absence of a sufficient quantity of microorganisms will cause inefficient biological decomposition and a lack of activated sludge which was seen with the poor waste strength of the return activated sludge. Due to a disruption of the Food:Microorganism (F:M) Ratio, solids and significant ponding were observed on the one filter bed and the effluent was slightly turbid. All mechanical components of the wastewater facility were found to be well maintained and in good condition. Future monitoring of the waste stream should be conducted to insure no toxic chemicals are introduced into the plant as significant plant upsets may occur causing permit violations. At the time of my inspection this facility was found to be in marginal compliance.

2. Inspection of ODOT Rest Area 05-30 located along I-77 South showed an extended aeration plant similar to the treatment plant at Rest Area 05-27 with the addition of two fixed media clarifiers. The primary clarifier had a minimal scum layer on the surface and the weir was found to be clean as well as the weirs in the fixed media clarifier. The effluent was observed clear and the facility was found to be in compliance with the permit.

3. The ODOT Rest Area 05-29 located along I-77 North is identical to 05-30 which consists of a trash trap, flow equalization basin, aeration basin, primary clarifier, fixed media clarifiers, two sand filters and UV disinfection. Inspection of Rest Area 05-29 showed a slight layer of scum in the primary clarifier although no scum was observed near the weir. The effluent observed downstream of the UV disinfection system was found to be clear and free of solids and all portions of the facility to be in compliance with the terms and conditions of the NPDES permit.

Copies of my detailed inspection reports for all three sites are enclosed. If you have any questions, please contact me at (740) 380-5416.

Sincerely,



Jake Greuey
District Site Representative
Division of Surface Water

JJG/dh

Enclosures

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPP00057*ED	OH0076911	July 11, 2007	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
ODOT Rest Area 05-29 Interstate 77 North 39.5 Milemarker Buffalo, Ohio	10:15 a.m.	February 1, 2007
	Exit Time	Permit Expiration Date
	10:45 a.m.	January 31, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Terry Gregg, Operator	(740) 404-7810
Name, Address and Title of Responsible Official	Phone Number
Terry Gregg, Operator ODOT, District 5 P.O. Box 306 Jacksontown, Ohio 43030	

C. AREAS EVALUATED DURING INSPECTION

<u> </u> S Permit	<u> </u> -- Flow Measurement	<u> </u> -- Pretreatment
<u> </u> S Records/Reports	<u> </u> -- Laboratory	<u> </u> S Compliance Schedules
<u> </u> S Operations & Maintenance	<u> </u> S Effluent/Receiving Waters	<u> </u> S Self-Monitoring Program
<u> </u> S Facility Site Review	<u> </u> S Sludge Storage/Disposal	<u> </u> Other
<u> </u> -- Collection System		

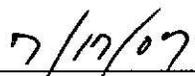
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached letter.



 Jake Greuey, Inspector, Ohio EPA, Southeast District Office



 Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office



 Date