Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

September 11, 2012

Re: Jefferson County
ODOT RA 11-02
Compliance Evaluation Inspection
Ohio EPA Permit 0PP00056*DD
NPDES Permit OH0076902
Correspondence (PWW)

Mr. Brian McIntire, Facilities Supervisor
Ohio Department of Transportation District 11
2201 Reiser Avenue SE
New Philadelphia, Ohio 44663

Dear Mr. McIntire:

On August 14, 2012, Ohio EPA conducted a Compliance Evaluation Inspection at the ODOT Rest Area 11-02 wastewater treatment plant. The purpose of the inspection was to determine compliance with terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit number 0PP00056*DD and to evaluate the wastewater treatment systems performance.

Overall, this facility appears to be in compliance with the NPDES permit. I recommend having the trash trap pumped in the near future and maintaining two pumps in the equalization basin.

A copy of the inspection report is enclosed. The assistance and cooperation received during the inspection was appreciated. If you have any questions, please feel free to contact me at (740) 380-5272.

Sincerely,

Aaron Pennington
District Representative
Division of Surface Water

AMP/dh

Enclosure

c: James Hines, ORC ODOT District 11

Southeast District Office
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State of Ohio Environmental Protection Agency
Southeast District Office

Semi-Public NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	**NPDES #**	**Month/Day/Year**	**Inspection Type**	**Inspector**	**Facility Type**
0PP00056*DD	OH0076902	August 14, 2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	**Entry Time**	**Permit Effective Date**
ODOT Rest Area 11-02 Intersection of S.R. 7 and S.R. 213 Jefferson County, Ohio	10:45 a.m.	August 1, 2008
	Exit Time	**Permit Expiration Date**
	11:45 a.m.	July 31, 2013
Name(s) and Title(s) of On-Site Representatives	**Phone Number(s)**	
Brian McIntire, Facilities Supervisor		
Name(s), Address and Title(s) of Operator of Record	**Phone Number(s)**	
James Hines, Operator		
Name, Address, and Title of Responsible Official	**Phone Number**	
Brian McIntire, Facilities Supervisor		

Section D: Summary of Findings (attach additional sheets if necessary)	
Wastewater Treatment Plant appeared in compliance. I recommend having the trash trap pumped in the near future and maintaining two pumps in the equalization basin.	
Inspector	**Reviewer**
9-11-12	Jennifer M. Witte 9/11/12
Aaron M. Pennington Date Division of Surface Water Southeast District Office	**Jennifer M. Witte** Date Compliance & Enforcement Supervisor Division of Surface Water Southeast District Office

Average Daily Design Flow:	**10,000 Gallons/Day**
Plant Serves:	**Rest Area**
Average Daily Flow:	**varies with season 500-1500 Gallons/Day**
(Period of Review):	**(August 2010 through July 2012)**
Method of flow monitoring:	Water Meter
Type of alarms for plant:	Audio/Visual

Pretreatment

Type of Pretreatment: **Trash Trap**
Does the Trash Trap need pumped: **Yes**
Maintenance of pretreatment components is: **Fair**

Comments/Status:

Trash Trap should be scheduled for pumping in near future. Equalization basin only appeared to have one of two pumps installed.

Secondary Treatment (Aeration)

Color of sludge: **Dark Brown**
Quality of sludge: **Heavy**
Foam: **Heavy (dark)**
Odor: **Slight**

	Yes	No		Yes	No
Aeration is taking place	☒	☐	Plant is septic	☐	☒
Blowers are operating	☒	☐	Blowers are on a timer	☒	☐
Skimmers are operating	☒	☐	Plant is flooded	☐	☒
Diffusers are operating	☒	☐	Grating is present	☒	☐
Sludge return is operating	☒	☐			

Maintenance of aerating equipment is: **Good**

Comments/Status:

The solids are reportedly at 42 percent on a settlemeter for a 30 minute reading. Some solids may be removed in the near future. The noticeable odor is most likely from the equalization basin. There was no air on in the equalization basin.

Secondary Treatment (Settling)

Clarity: **Cloudy**
Condition of Weir: **Clean**
Weir is level: **Yes**
Effluent in weir: **Clear**
Clarifier walls need scraped: **Unknown**

Overall maintenance of settling components is: **Good**

Comments/Status:

Tertiary Treatment

	Yes	No		Yes	No
Surface sand filters: **Slow**	☒	☐		☐	☐
Distribution box operating	☒	☐	Beds alternated	☒	☐
Are filters ponding/flooding	☐	☒	Beds raked	☒	☐
Sand filters overgrown	☐	☒	Chlorination present	☐	☒
UV present	☒	☐	Dechlorination present	☐	☒

Overall maintenance of settling components is: **Good**

Comments/Status:

Sludge Handling/Storage Disposal

Hauler name: One year Contracts
Disposal site: varies
Sludge wasted from: various
How often is sludge wasted: varies
Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of settling components is: **Good**

Comments/Status:

Record Keeping/Operator of Record

(a)	Wastewater Treatment Works classification (OAC 3745-7)	A
(b)	Operator of Record holds unexpired license of class required by Permit	Y
(c)	Copy of certificate of Operator of Record displayed on-site	N/E
(d)	Has the Operator of Record submitted an ORC Notification form	N/E
(e)	Minimum operator staffing requirements fulfilled (OAC 3745-7)	N
(f)	If a Staffing Reduction plan has been approved, are the stipulations of the plan being met	N/A
(g)	Operator of Record log book provided	N
(h)	Format of log book (e.g. computer log, hard bound book)	
	2008-09 log book was present and hard bound	
(i)	Log book kept onsite (in an area protected from weather)	N/E
(j)	Log book contains the following:	
	I. Identification of treatment works	N/E
	II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7	N/E
	III. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)	N/E
	IV. Laboratory results (unless documented on bench sheets)	N/E
	V. Identification of person making entries	N/E
(k)	Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred	Y

Comments/Status:

I spoke with the ORC the following day via telephone. Log book information is currently maintained through a loose leaf file system. The ORC spends approximately four hours per week with the plant 1 day per week. OAC 3745-7-04 requires 2 days per week for a minimum of 1 hour per week. Ream & Hagar used as contract laboratory.

Plant Discharge

Discharge point is a:	**Stream**
Name of discharge point:	**0PP00056 001**
Discharge is visible:	**Yes**
Quality of Effluent:	**Clear**

Comments/Status:

Sample is taken from manhole.

Effluent Limit Violations

Period of Review: August 2010 through July 2012

7D = Weekly; 30D = Monthly; 1D = Daily; Conc. = Concentration (mg/l); Qty. = Quantity (Kg/Day)

Month Reported	Parameter	Frequency/Units	Limit	Value
August 2010	Fecal Coliform	30D Conc	1000	1488.
December 2011	Total Suspended Solids	30D Conc	12	20.
December 2011	Total Suspended Solids	7D Conc	18	20.
March 2012	Total Suspended Solids	30D Conc	12	32.
March 2012	CBOD 5 day	30D Conc	10	22.
March 2012	Total Suspended Solids	7D Conc	18	32.
March 2012	CBOD 5 day	7D Conc	15	22.
June 2012	Total Suspended Solids	30D Conc	12	17.