



40 years and moving forward

John Kasich, Governor  
Richard Cordusio, Lt. Governor  
Frank LaRose, Director

**Certified #91 7108 2133 3932 1838 1706**

July 17, 2013

Karl Newman, Facilities Superintendent  
ODOT District 6  
400 E. Williams Street  
Delaware, OH 43015

**Re: ODOT Rest Area 6-4 WWTP  
NPDES Permit 4GS00007/ OHGS00018  
Semi-Public CEI  
Union County**

Dear Mr. Newman:

On June 26, 2013, a Semi-Public CEI was conducted at the ODOT Rest Area 6-4. Present for the inspection were Neil Pry, an operator of record, and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant.

**Findings:**

1. Attached are compliance tables between May 2012 and June 2013. The facility has been mostly compliant with effluent limits.
2. The trash trap appeared to need to be pumped relatively soon (see **Figure 1**). Mr. Pry indicated that the trash trap is pumped quarterly and the next cleaning is scheduled in July. **Please inform me after the trash trap is cleaned.**
3. The treatment plant includes fixed media clarifiers which greatly reduces the solids loading on sand filters. As a result, the sand filters rarely need to be rotated. The inactive sand filter had weed growth and should be cleaned more frequently. The active sand filter had some weed growth (see **Figure 2**). **Please ensure the sand filters are properly weeded to prevent short-circuiting.**

Karl Newman, Facilities Superintendent  
ODOT District 6  
Page 2

**A response is requested regarding the trash trap.** If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at [cole.miller@epa.state.oh.us](mailto:cole.miller@epa.state.oh.us).

Sincerely



Cole Miller  
Environmental Specialist II  
Compliance and Enforcement Unit  
Division of Surface Water  
Central District Office

ec: Cole Miller

CM/nsm ODOT 6-4 CEI 6-26-13

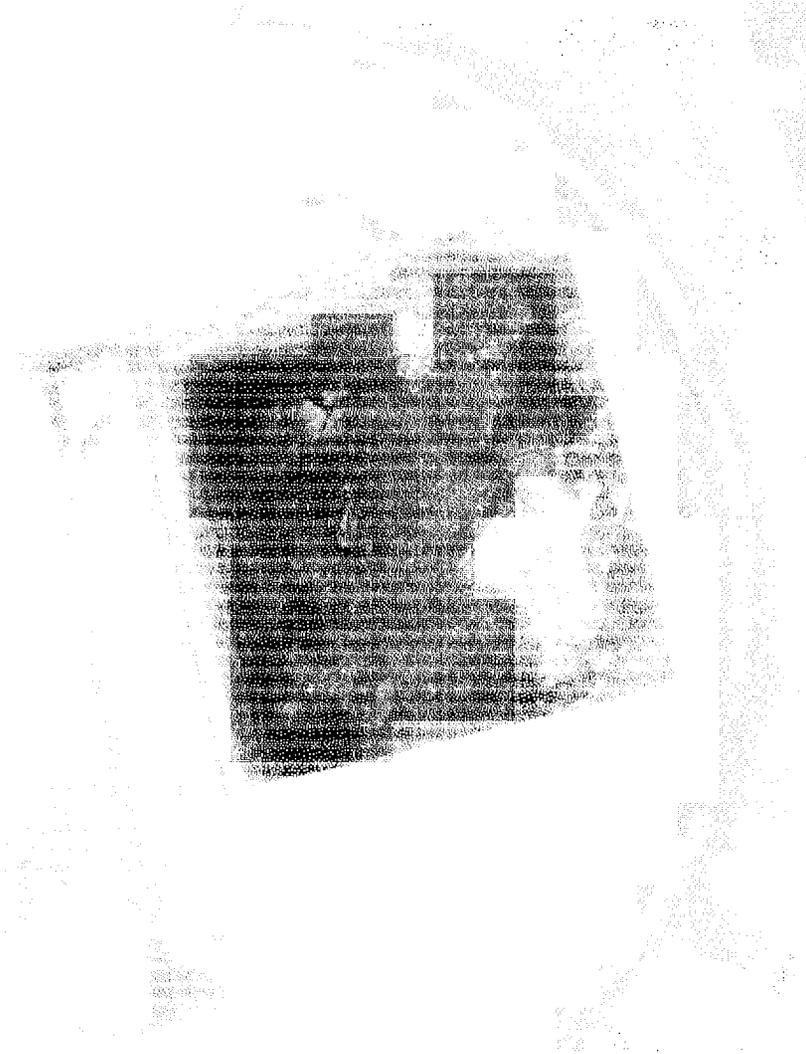


Figure 1: Person with gross tubing

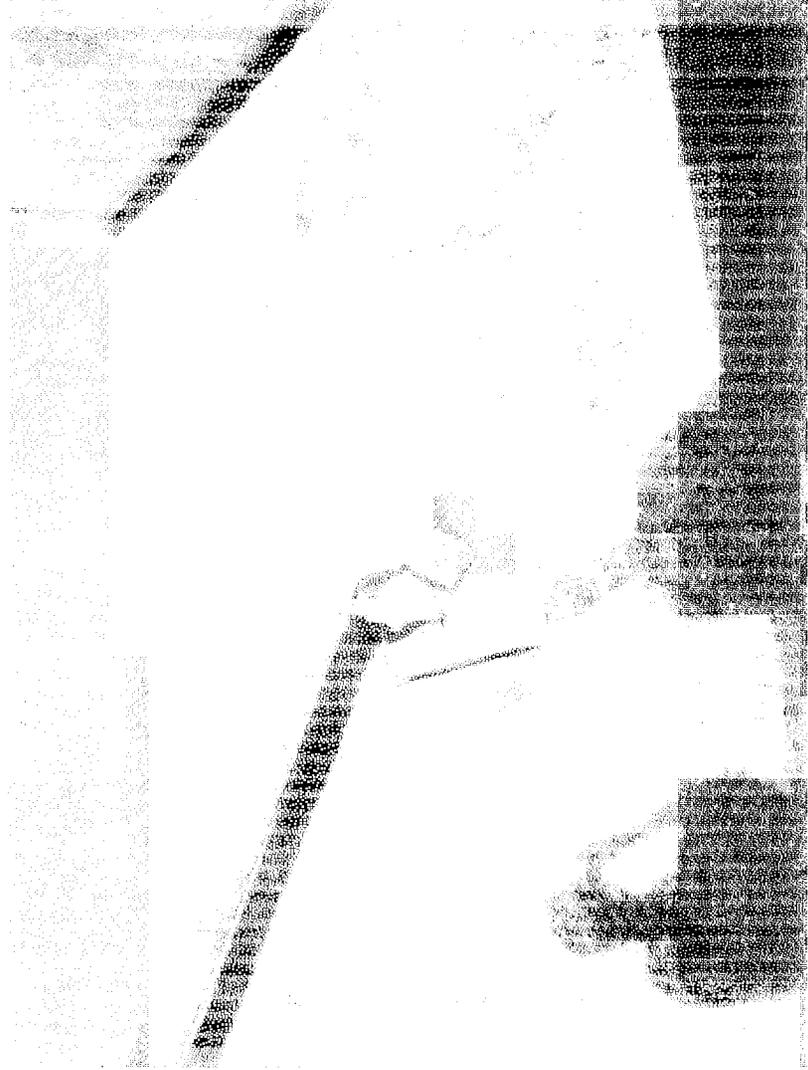


Figure 2: Scales and bed in tub at point of fish

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4GS00007	OHGS00018	CEI	S	2
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
6/26/2013	9:30 AM	10:15 AM	No	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
ODOT Rest Area 6-4	11/1/2010
	Permit Expiration Date
	12/31/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Neil Pry, Operator of Record	
Name and Title of Responsible Official	Phone Number
Karl Newman, Facilities Superintendent	

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
S	NPDES Compliance	
S*	Operations & Maintenance	Trash trap appeared to need cleaning
M	Facility Site Review	Increased frequency of sand filter cleaning
S	Collection System	
S	Flow Measurement	
S	Receiving Waters	
N	Laboratory	

Comments:

Signatures			
	7/3/13		7/3/13
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office	Date

## Compliance Data for ODOT Rest Area 6-4 between 5/1/2012 to 6/1/2013

### Summary

Permit Effluent Limit Violations: 1

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Milestones Not Entered: 0

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2012	001	Dissolved Oxygen	1D Conc	6.0	5.38	6/18/2012

## Flow Data for ODOT Rest Area 6-4 between 5/1/2012 and 6/1/2013

	Date	Flows (GPD)
Ten Highest Flows	6/2/2012	4690
	6/17/2012	4650
	8/19/2012	4400
	6/23/2012	4260
	6/8/2012	4190
	8/4/2012	4100
	8/12/2012	4100
	7/13/2012	4000
	8/18/2012	4000
	10/6/2012	4000
<b>Average Flow Rate</b>		2021

Method of flow monitoring:	Water usage
Type of alarms for plant:	High level with visual and audio alarms*

\*EQ tank also has an alarm with an audio alarm in the buildings.

**SECTION D: PRELIMINARY TREATMENT**

Type of Preliminary Treatment? Trash Traps		
	Yes	No
Does the unit require pumping or cleaning?	X	<input type="checkbox"/>
Maintenance of preliminary treatment is satisfactory?	X	<input type="checkbox"/>

Comments/Status:

Facility pumps trash traps every quarter and is planning to pump them soon.

**SECTION E: AERATION**

Color of MLSS?	Pale brown			
	Yes	No	Yes	No
Aeration is taking place	X	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/> X
Blowers are operational	X	<input type="checkbox"/>	Blowers are on a timer	X <input type="checkbox"/>
Skimmers are operational	X	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/> X
Diffusers are operational	X	<input type="checkbox"/>	Grating is present	X <input type="checkbox"/>
Sludge return is operational	X	<input type="checkbox"/>	Foam present?	<input type="checkbox"/> X
Overall maintenance satisfactory?	X	<input type="checkbox"/>		

Comments/Status:

The first aeration tank was offline because flows were less than 1500 GPD. Bicarbonate is added for alkalinity based process control tests which include pH, and spin tests. The blowers run for 1 hour and are off for 1/2 hour.

**SECTION F: CLARIFIERS**

Clarity of water topping weir	Clear	
	Yes	No
Weir is clean?	X	<input type="checkbox"/>
Weir is in good condition (i.e., level, free of corrosion, etc.)?	X	<input type="checkbox"/>
Is effluent present in weir channel?	X	<input type="checkbox"/>
Is the sludge blanket visible?	<input type="checkbox"/>	X
Do the clarifier walls need scraping?	<input type="checkbox"/>	X
Is sludge settling properly?	X	<input type="checkbox"/>
Overall maintenance of the clarifier is satisfactory?	X	<input type="checkbox"/>

Comments/Status:

**SECTION G: TERTIARY TREATMENT**

	Yes	No		Yes	No
Surface sand filters:	X	<input type="checkbox"/>	Subsurface/Upflow	X	<input type="checkbox"/>
Distribution box operational	X	<input type="checkbox"/>	Beds alternated	X	<input type="checkbox"/>
Are filters ponding/flooding	<input type="checkbox"/>	X	Beds raked	<input type="checkbox"/>	X
Sand filters overgrown	<input type="checkbox"/>	X	Chlorination present	X	<input type="checkbox"/>
UV present	<input type="checkbox"/>	X	Dechlorination present	X	<input type="checkbox"/>
Overall maintenance satisfactory?	X	<input type="checkbox"/>			

Frequency of cleaning: Yearly  
 Fixed media upkeep: Weekly

Comments/Status:

Some weeds were observed on the active sand filter.

**SECTION H: SLUDGE HANDING / STORAGE DISPOSAL**

Sludge is periodically wasted from what component?	Clarifier	
Sludge disposal contractor?	MSI	
Sludge disposal location?	N/E	
	Yes	No
Does the WWTP have sludge drying beds?	<input type="checkbox"/>	X
Does the WWTP have a sludge holding tank?	X	<input type="checkbox"/>
Is the maintenance on the sludge handling unit adequate?	x	<input type="checkbox"/>

Comments/Status:

**SECTION I: RECORD KEEPING AND OPERATOR OF RECORD**

	Yes	No
Operator of Record holds unexpired license of class required by Permit?	X	
Has the Operator of Record submitted an ORC Notification form?	X	
Copy of certificate of Operator of Record displayed on-site?*		X
If a Staffing Reduction plan has been approved, are the stipulations of the plan being met?	X	
Operator of Record log book provided?	X	
Minimum operator staffing requirements fulfilled (OAC 3745-7)?	X	
Log book kept onsite (in an area protected from weather)?	X	
Log book contains the following:		
Identification of treatment works	X	
Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7	X	
Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)	X	
Laboratory results (unless documented on bench sheets)	X	
Identification of person making entries	X	
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	X	
Logbook Format	Computer log	<b>Bound book</b>

Comments/Status:

**SECTION J: PLANT DISCHARGE**

Discharge point is:	Surface water
Discharge is visible:	Yes
Name of discharge point:	Phelps Run
Marker present:	Yes
Quality of effluent:	Clear; no smell
Contract laboratory:	MASI

Comments/Status