



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Sandusky County
Ohio Turnpike Commission-Erie Island
Sewerage

May 30, 2012

Mr. Timothy Ujvari
Ohio Turnpike Commission
682 Prospect Street
Berea, Ohio 44017

Dear Mr. Ujvari:

On April 19, 2012, I conducted an inspection of the wastewater treatment plant (WWTP) serving the Ohio Turnpike Commission – Erie Islands WWTP. Mr. Jeff Fleming, Manager, Mr. Barney Smith and Mr. Wesley Brewer, Operators, were present and provided information regarding the wastewater treatment facility. Observations and recommendations of the existing plant are as follows:

- The aerated equalization tank was empty and available for use as needed.
- The inner aeration tank was in use and the outer aeration tank was empty and available for use as needed.
- Both clarifiers were in use.
- Magnesium hydroxide continues to be used for pH adjustment as needed.

The National Pollutant Discharge Elimination System (NPDES) renewal permit has recently been drafted. A review of your discharge monitoring reports (DMRs) has been conducted. A list of permit violations (01/2010 - 04/2012) is enclosed.

Our completed inspection report form is enclosed for your review. If there are any questions, please contact me at (419) 373-3014.

Yours truly,

Mary Beth Cohen
Division of Surface Water

/jlm

Enclosures

pc: Sandusky County Health Department
Mr. Jeff Fleming, Division Trades Supervisor
ec: Inspection Tracking

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PQ00001</u>	<u>OH0058963</u>	<u>2012/04/19</u>	<u>C</u>	<u>S</u>	<u>1</u>

Section B: Facility Data

Name and Location of Facility Inspected Ohio Turnpike Commission - Erie Island WWTP 1012 N. County Road 260 Clyde, OH 43410	Entry Time 1:30am	Permit Effective Date
	Exit Time 2:15 pm	Permit Expiration Date

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mr. Jeff Fleming, Manager Barney Smith, Operator Wesley Brewer, Operator	419-862-1882

Name, Address and Title of Responsible Official	Phone Number
Mr. Timothy Ujvari, Maintenance Engineer Ohio Turnpike Commission 682 Prospect Street Berea, OH 44017	440-234-2081

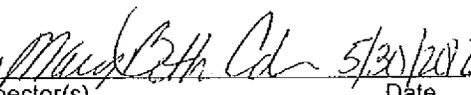
Section C: Areas Evaluated During Inspection

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

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

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- The aerated equalization tank was not in use.
- The inner aeration tank was in use, the outer aeration tank was empty and available for use as needed.
- Both clarifiers were in use.
- Magnesium hydroxide is used as needed for pH adjustment.

Mary Beth Cohen, DSW  5/31/2012 Ohio EPA, Northwest District Office
 Name(s) and Signature(s) of Inspector(s) Date

Thomas Poffenbarger, P.E.  5/31/12 Ohio EPA, Northwest District Office
 Name and Signature of Reviewer Date

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Protection	S	
	Safety Features	S	Facility is fenced
	Bypasses		
	Storm water Overflows		
	Alternate Power Source		
	Storm Ret. Pond / E.Q. Basin		
Preliminary	Maintenance of Collection Systems		
	Pump Station	In	
	Ventilation	-	
	Bar Screen	Out	Backup bar screen
	Disposal of Screenings		
	Comminutor	In	Muffin Monster - Operational
	Grit Chamber		
	Equalization tank	In	33,000 gallon tank - empty at the time of inspection
Primary	Settling Tanks	In	Two circular units - both in operation
	Scum Removal		
	Sludge Removal		
	Effluent		
Sludge Disposal	Digesters / sludge holding tank	In	
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	In	
	Sludge Storage		
	Disposal of Sludge	S	Hauled to the Sandusky WWTP for disposal
Other	Flow Meter and Recorder	In	Metering manhole prior to UV disinfection
	Records	S	
	Lab Controls		
	Chemical Treatment	In	Magnesium Hydroxide - used as needed for pH adjustment
Secondary Tertiary	Aeration Treatment	In	Inner tank in use, outer tank empty
	Blowers	In	
	Final Settling	In	Both tanks (2) in use
	Rapid Sand Filters	In	Three celled rapid sand filter in operation
Disinfection	Effluent	S	Final effluent being discharged appeared to be clear
	Disinfection System	In	Ultraviolet disinfection
	Effective Dosage		

Erie Island - Commodore Perry Service Plaza
 2PQ00001*GD (001) Effluent Limit Violations
 January 2010 - April 2012

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2010	00530	Total Suspended Solids	30D Conc	12	24.	3/1/2010
March 2010	00530	Total Suspended Solids	7D Conc	18	44.	3/1/2010
March 2010	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.8	3/1/2010
March 2010	00530	Total Suspended Solids	7D Conc	18	33.	3/8/2010
March 2010	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.5	9.24	3/15/2010
June 2010	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.16	6/1/2010
June 2010	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.96	6/1/2010
April 2011	00530	Total Suspended Solids	30D Conc	12	31.8888	4/1/2011
April 2011	00530	Total Suspended Solids	7D Conc	18	88.	4/22/2011
April 2011	00530	Total Suspended Solids	7D Qty	10.2	17.7897	4/22/2011
April 2011	00400	pH	1D Conc	6.5	5.98	4/25/2011