



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

April 2, 2013

RE: ORWELL VILLAGE WATER TREATMENT PLANT
ORWELL TOWNSHIP, ASHTABULA COUNTY
OHIO EPA PERMIT 3IY00160
COMPLIANCE EVALUATION INSPECTION

Mr. Jack J. Nettis, Jr., Village Manager
Village of Orwell
179 W. Main Street
Orwell, OH 44079

Dear Mr. Nettis:

On April 1, 2013, a site inspection was conducted at the above referenced facility along the south side of U.S. Route 322 in the 1900 Block of US 322, Orwell Township, Ashtabula County. The inspection was conducted by John Schmidt of this office, and you and Mr. Greg Hogue, Water Superintendent, represented the Village of Orwell during the inspection. The purpose of the inspection was to evaluate the facility's compliance status with respect to the terms and conditions of the facility's National Pollutant Discharge Elimination System (NPDES) permit. The last compliance inspection was conducted on March 15, 2012.

Water treatment consists of chlorine injection, with water filtered in three 1,000 gallon tanks, followed by a 20,000 gallon clear well. Wastewater is generated during backwash of the tanks, with water feed provided by the clear well. Wastewater (backwash) is diverted to a 2-ft by 2-ft pit, rapid sand filter, and dechlorination. Sludge management consists of iron sludge placed on two drying beds, with semi-dry sludge stockpiled in a holding area for further dewatering until removed for off-site disposal at a landfill. The facility discharges to Snyder Ditch adjacent to the southeast side of the facility.

Observations and Notations

The following observations and notations were made during the inspection:

1. The design flow of the wastewater treatment system is 4,300 gallons per day. The actual flow through this plant is just under 7,000 gpd as discussed during the site visit. At the next renewal cycle Orwell should request an increase in the design flow of the system and a corresponding increase in effluent loadings based on the actual flow through the plant.
2. The plant operates on batch process as needed (backwash process), and was not discharging at the time of the inspection.
3. Rapid sand filters were reasonably clean and operable. No discharge to the sand filters was observed during the inspection.
4. The final discharge the dechlorination manhole was not observed due to lack of flow.

5. Samples are collected and analyzed by the Village of Orwell Laboratory, with data reported by the laboratory on the electronic discharge monitoring reports (eDMRs).
6. Sludge is stored in the western-most basin for hauling to a landfill. Sludge was last removed in 2010 and was approximately 40 CY.

NPDES Permit Compliance Review

A review of the electronic discharge self-monitoring reports (eDMRs) received by Ohio EPA for the period March 1, 2012 through March 1, 2013 indicates apparent noncompliance of the terms and conditions of your NPDES permit.

Effluent Limit Violations

The following effluent limit violations were noted:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	30D Qty	0.49	.49599	3/1/2012
001	00530	Total Suspended Solids	30D Qty	0.49	.78213	11/1/2012
001	00530	Total Suspended Solids	1D Qty	0.73	.78213	11/14/2012

Part III, Item 12 of your NPDES permit requires you to notify Ohio EPA of any violations, along with measures taken to ensure that they are not repeated. To-date Ohio EPA has not received notification for these violations, along with measures to ensure that they are not repeated.

Reporting Violations

No reporting code or reporting frequency violations were reported for the time period reviewed.

Compliance Schedule Violations

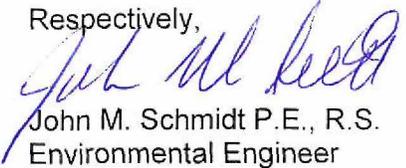
No compliance schedule violations were noted for the reporting period reviewed. There is no compliance schedule in your existing NPDES permit.

NPDES Renewal

Please note that your current NPDES permit expires on April 13, 2014, and that pursuant to Part III of your permit, a renewal application must be received by Ohio EPA no later than 180 days prior to the expiration of your current permit. Therefore, a renewal application must be received no later than November 13, 2013.

If you have any questions or comments regarding this inspection, please feel free to contact me at (330) 963-1175.

Respectively,


John M. Schmidt P.E., R.S.
Environmental Engineer
Division of Surface Water

JMS/cs

cc: Mr. Greg Hogue, Superintendent

File: Industrial/Orwell WTP/PC