



**Environmental  
Protection Agency**

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

March 20, 2012

RE: ASHTABULA – MEADOWOOD WWTP  
SAYBROOK TWP., ASHTABULA COUNTY  
OHIO EPA PERMIT 3PG00075  
COMPLIANCE EVALUATION INSPECTION

Mr. Lawrence J. Meaney, Director  
Ashtabula County Department of Environmental Services  
36 West Walnut Avenue  
Jefferson, OH 44047

Dear Mr. Meaney:

On March 19, 2012, a site inspection was conducted at the above referenced facility at the west end of Elmwood Drive, Saybrook Township, Ashtabula County. The inspection was conducted by John Schmidt of this office. Mark Verzella represented Ashtabula County Department of Environmental Services (ACDES). 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 10, 2011.

The system consists of screening grit removal, comminutor, aeration tanks, clarification, rapid sand filtration, UV disinfection, and post disinfection aeration. Existing surface wand filters are used as needed for backwashing or temporary storage of materials. While the facility has no formal equalization tank, the plant is under loaded and only half the plant is used for secondary treatment, with the other half serving as an emergency equalization tank. Sludge management consists of sludge holding tanks, aerobic digestion and settling tanks, with liquid sludge hauled to the Coffee Creek wastewater treatment plant (WWTP) for dewatering and off-site disposal at a solid waste disposal facility. The facility discharges to an unnamed tributary to Indian Creek adjacent to the west side of the facility. Portable generators maintained at the Coffee Creek WWTP provide backup power to the facility.

**Observations**

Following are observations made during the inspection:

1. The overall condition of the treatment plant during this inspection was satisfactory with the plant well kept. Screenings and grit are containerized for disposal at a solid waste landfill.
2. The plant is operated by Larry Seberino, who also operates the Coffee Creek WWTP on behalf of ACDES.

3. The content of the aeration tank had good color and mixing. Sludge returns were a chocolate brown color, with minimal foaming. This is an indication of a properly operating plant.
4. The surface of the clarifier had some minor floating grease, typical after the areas heavy rains. Skimmers were noted in operating condition. The effluent troughs were clean but very rusty.
5. The sand filters were reasonably clean. The effluent discharged to the sand filters during the inspection was clear and free of color and turbidity. The wastewater percolated freely through the sand indicating that the beds were not clogged.
6. Sludge beds were available but were not used. Sludge is usually wasted to the sludge tanks and removed with a tank truck for transport to the Coffee Creek WWTP.
7. Samples collected are a manual grab sample and stored in an on-site refrigerator. The refrigerator is maintained at the proper temperature.
8. The former chlorine contact tank is only a pass-through device.
9. The sludge holding tank is severely bowed, and will need to be replaced.
10. The WWTP laboratory performs monitoring of pH, temperature, and dissolved oxygen. ACDES contracts with Microbac Laboratories of Meadville, PA remaining parameters and quality assurance samples from the WWTP laboratory.
11. Log books and the operation and maintenance manual is maintained at the site and was available for inspection.
12. The final effluent was clear. The final outfall was observed as acceptable visual quality.

#### **NPDES Permit Compliance Review**

A review of the electronic discharge self-monitoring reports (eDMRs) received by Ohio EPA for the period March 1, 2010 through February 1, 2011 indicates apparent noncompliance of the terms and conditions of your NPDES permit as follows:

#### **Limit Violations**

No effluent violations are noted for the time period reviewed.

#### **Reporting Violations**

No reporting frequency violations were noted for the time period reviewed; however, the following reporting code violation is noted:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	80082	CBOD 5 day			AB	9/16/2011

ACDES notified Ohio EPA that due to a failing air conditioner, the results from the September 16, 2011 CBOD were biased. As a reasonable explanation was provided, no additional information is needed to respond to the violation.

Compliance Schedule

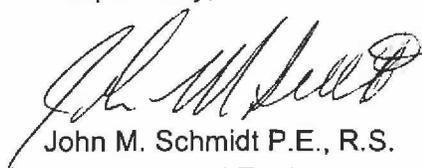
Your new permit, effective February 1, 2011, contains the following milestones:

Permit Effective Date	Permit Expiration Date	Schedule Due Date	Due Completion Date	Event Code	Schedule Type	Schedule Milestone
2/1/2011	12/31/2016	8/1/2011	11/30/2011	95999	Other	E. Coli Status Report
2/1/2011	12/31/2016	2/1/2012	N/A	-----	Other	Submit PTI if Needed
2/1/2011	12/31/2016	8/1/2012	N/A	-----	Other	Adv for Bids, Award Contract
2/1/2011	12/31/2016	8/1/2013	N/A	-----	Other	Complete Construction Disinf
2/1/2011	12/31/2016	8/1/2011	2/17/2011	-----	Other	Evaluate Unsanitary Conditions
2/1/2011	12/31/2016	2/1/2012		-----	Plans	Submit detail Plans if Needed
2/1/2011	12/31/2016	8/1/2012		-----	Construction	Advertise for Bids if Needed
2/1/2011	12/31/2016	8/1/2013		-----	Construction	Complete Construction
2/1/2011	12/31/2016	8/1/2013		-----	Construction	Achieve Final Limits

As of the date of this inspection, none of the uncompleted compliance milestones are due. ACDES is reminded of its obligations to submit required information by the assigned milestones as prescribed by your NPDES permit. During the inspection, ACDES noted that remaining milestones will be delayed by a year due to funding issues. ACDES should submit an NPDES modification request along with associated fees to revise its compliance schedule.

If you have any questions or comments regarding this notification, 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

File: Municipal/ASH Meadowood WWTP (Ashtabula Co.)/PC