



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

January 28, 2013

RE: LORAIN COUNTY  
ELYRIA TOWNSHIP  
ELYRIA MOTEL WWTP  
NPDES NO. 3PR00191  
CEI

Mr. Hetal Patel, Owner  
Elyria Motel  
701 Oberlin Road  
Elyria, OH 44035

Dear Mr. Patel:

A compliance evaluation inspection (CEI) was conducted on January 10, 2013, at the wastewater treatment plant (WWTP) serving the Elyria Motel. The inspection was conducted by this writer, and Mr. John Sabo of the Lorain County Health Department. The Elyria Motel is located at 701 Oberlin Road, Elyria Township, Lorain County.

The purpose of the January 10<sup>th</sup> inspection was to evaluate the WWTP's operation and maintenance condition, and its compliance with National Pollutant Discharge Elimination System (NPDES) Permit to discharge terms and conditions. The last CEI conducted on the Elyria Motel WWTP was on January 31, 2012.

At the time of the January 10<sup>th</sup> inspection, the following items were observed at the Elyria Motel WWTP:

- 1) The trash trap was in use and its contents contained a thick mat of floating solids. Consideration should be given to having the trash trap pumped out in the near future.
- 2) Contents of the extended aeration tank were watery, grayish brown, and were being well aerated. The return activated sludge (RAS) line was returning clear water from the settling tank, and there was no foam present on the aeration tank contents. The suspended solids concentrations in the aeration tank appeared to be low, indicating organic underloading.
- 3) The settling tank contents were typical (light gray and slightly turbid), and the skimmer was operating, returning clear water to the aeration tank.
- 4) Both pumps in the sand filter dosing station were found in the 'AUTO' mode, and operated when manually tested. The high-level alarm light also was operational when manually tested.

- 5) When manually operated, the pumps dosed the surface sand filter west cell. The sand in both cells was relatively level and free of solids.
- 6) The tablet chlorination / dechlorination units were not in use, as disinfection is not required from November 1<sup>st</sup> through April 30<sup>th</sup>. The chlorination and dechlorination units are both two tube units, and both units contained the tubes with caps.

A review of the effluent data submitted for the Elyria WWTP, covering the period since the last CEI (January 1, 2012 through January 1, 2013), was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data revealed the following numeric effluent violations of the Elyria Motel NPDES permit to discharge:

**ELYRIA MOTEL  
 NPDES NO. 3PR00191  
 EFFLUENT NUMERIC VIOLATIONS  
 (JAN. 1, 2012 – JAN. 1, 2013)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	11.9	3/1/2012
March 2012	Nitrogen, Ammonia (NH3-N)	30D Qty	0.02	.05067	3/1/2012
March 2012	Nitrogen, Ammonia (NH3-N)	7D Conc	4.5	11.9	3/8/2012
March 2012	Nitrogen, Ammonia (NH3-N)	7D Qty	0.03	.05067	3/8/2012
March 2012	Dissolved Oxygen	1D Conc	6.0	5.6	3/9/2012
June 2012	Dissolved Oxygen	1D Conc	6.0	5.6	6/6/2012
August 2012	Dissolved Oxygen	1D Conc	6.0	4.8	8/1/2012
December 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	3.0	6.83	12/1/2012
December 2012	Dissolved Oxygen	1D Conc	6.0	5.6	12/5/2012
December 2012	Nitrogen, Ammonia (NH3-N)	7D Conc	4.5	6.83	12/8/2012

Based upon review of the eDMR data submitted for the WWTP, ammonia removal at the plant remains a problem. The WWTP was originally designed to remove ammonia as part of the treatment process; therefore, operational procedures need to be improved.

Since the last inspection, a new plant operator, AKE, has been hired as the certified operator of record. At the time of the inspection, the operator's logbook was examined for verification of required information, which must be kept in the hardbound logbook.

The current NPDES permit expires April 30, 2013, and the NPDES permit renewal application was received on January 23, 2013. It is noted that the renewed NPDES permit will require the WWTP be under the supervision of a Class A licensed operator, instead of the current Class I operator.

The Elyria Motel operator should continue with all efforts that will enable the WWTP to consistently meet its NPDES Permit limits.

ELYRIA MOTEL WWTP  
JANUARY 28, 2013  
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If you have any comments or questions regarding this correspondence, you may contact me at (330) 963-1110.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/cs

cc: John Sabo, Lorain County Health Department