



**Environmental  
Protection Agency**

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

March 4, 2013

RE: TRUMBULL COUNTY  
BAZETTA TOWNSHIP  
KMART DISTRIBUTION CENTER  
NPDES PERMIT NO. OH0083909  
OHIO EPA PERMIT NO. 3PS00007

Mr. Richard Shafer, Plant Manager  
Kmart Distribution Center  
541 Perkins-Jones Rd.  
Warren, Ohio 44483

Mr. Shafer:

Ohio EPA and the Trumbull County Board of Health conducted a compliance evaluation inspection of the wastewater treatment works serving the above-referenced facility on February 27, 2013. The inspection was conducted to evaluate the overall operation and maintenance of the treatment works, and determine the facility's compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit.

The current treatment system consists of an influent lift station, comminutor, bar screen, flow equalization basin, 10,000-gpd extended aeration treatment unit, final settling tank, dual-unit slow surface sand filter, and UV disinfection system. Final effluent is discharged to an unnamed tributary of the Mahoning River.

During the inspection, the following observations and/or deficiencies were noted:

1. The overall operation and maintenance of the treatment works appeared to be satisfactory. All treatment systems appeared to be in working condition.
2. One of the flow equalization aeration pumps was out of service. Replacement parts have already been ordered for it.
3. A review of the facility's O & M logbook indicated that only one of the facility's three designated operators, Mr. Scott Mascioli, is visiting the treatment works on a regular basis. Further discussion with Mr. Andy Bell indicated that the other two operators (Kmart employees) visit the treatment plant on a daily basis. Please ensure that they record their visits in a bound and numbered logbook as well. Entries should include the date, time in/out, a description of the work performed, and initials of the individual performing the work.
4. It was explained that the pH meter used for pH readings is calibrated on a weekly basis. Instruments used for field readings (DO, Cl<sup>-</sup>, pH) must be calibrated before each use.

5. The active sand filter had heavy sludge deposits.
6. The final effluent appeared to be slightly turbid. However, there were no immediately-observable, adverse impacts to the receiving stream.

A review of the facility's monthly electronic Discharge Monitoring Reports (eDMRs) received by Ohio EPA for the period February 2011 – January 2013 indicated violations of the terms and conditions of the NPDES permit. The specific instances of noncompliance include:

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PS00007*FD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.25	.26287	3/1/2011
3PS00007*GD	June 2011	001	31648	E. coli	30D Conc	161	199.749	6/1/2011
3PS00007*GD	July 2011	001	31648	E. coli	30D Conc	161	180.	7/1/2011
3PS00007*GD	August 2011	001	31648	E. coli	30D Conc	161	600.	8/1/2011
3PS00007*GD	August 2011	001	31648	E. coli	7D Conc	362	600.	8/15/2011
3PS00007*GD	September 2011	001	00530	Total Suspended Solids	30D Conc	12	14.5	9/1/2011
3PS00007*GD	September 2011	001	31648	E. coli	30D Conc	161	500.	9/1/2011
3PS00007*GD	September 2011	001	00400	pH	1D Conc	6.5	6.4	9/6/2011
3PS00007*GD	September 2011	001	31648	E. coli	7D Conc	362	500.	9/8/2011
3PS00007*GD	September 2011	001	00400	pH	1D Conc	6.5	6.3	9/19/2011
3PS00007*GD	June 2012	001	31648	E. coli	30D Conc	161	800.	6/1/2012
3PS00007*GD	June 2012	001	31648	E. coli	7D Conc	362	800.	6/8/2012
3PS00007*GD	October 2012	001	00400	pH	1D Conc	6.5	6.4	10/3/2012
3PS00007*GD	October 2012	001	00400	pH	1D Conc	6.5	6.3	10/4/2012
3PS00007*GD	October 2012	001	00400	pH	1D Conc	6.5	6.4	10/15/2012
3PS00007*GD	October 2012	001	00400	pH	1D Conc	6.5	6.4	10/22/2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PS00007*GD	October 2011	001	31648	E. coli			AK	10/13/2011

The eDMR review also indicated usage of the AH substitution code for missed sample events in September 2012. Please note that failure to collect and analyze samples as required by the NPDES permit is an NPDES permit violation.

Please provide to this office, within 14 days' receipt of this notification, written documentation describing the course of action that will be taken, or has been taken, to address the above-referenced items. Your response shall include specific dates for the initiation and completion of this action plan.

KMART DISTRIBUTION CENTER  
MARCH 4, 2013  
PAGE 3 OF 4

Should you have any questions or comments regarding this letter, please contact this office at (330)963-1120.

Respectfully,

A handwritten signature in cursive script that reads "Tomás Parry".

Tomás Parry, P.E.  
Environmental Engineer  
Division of Surface Water

TP/cs

Attachments: Photos

cc: Steve Kramer, R.S., Trumbull County Board of Health

