



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

July 12, 2013

RE: GEAUGA COUNTY  
MUNSON TWP  
MUNSON SUN MART  
12388 MAYFIELD RD  
NPDES #3PR00416

Ms. Laura Cooke  
Munson Sun Mart  
408 Water Street  
Chardon, Ohio 44024

Dear Ms. Cooke:

On July 10, 2013 this writer conducted an inspection of the sewage treatment plant serving the above referenced facility. The intent of the inspection was to review operations and maintenance of the treatment system and gather information required to issue the National Pollutant Discharge Elimination System (NPDES) permit.

According to Agency records, the wastewater treatment system was installed under Ohio EPA Permit-To-Install (PTI) 02-16746, which was effective December 5, 2005. The wastewater system includes a trash trap, 1,500 gallon extended aeration package plant, 500 gallon dosing tank, 180 square foot surface sand filter, chlorination/dechlorination tank.

Below are the findings and recommendations from the inspection:

#### NPDES PERMIT COMPLIANCE

Your wastewater treatment system is currently listed as a Class A Wastewater Treatment system. Your NPDES permit, Part II, Item A, requires the facility to be under the operation of a Class A State certified operator. Our records indicate you have enlisted Anthony Bozeglav as the Operator of Record for this facility.

#### VIOLATION SUMMARY

According to the Discharge Monitoring Report (DMR) submitted to this office between January 1, 2012 and June 1, 2013, there were no effluent violations reported.

The DMR data reviewed for the above noted timeline does not include any e-coli sampling results. The NPDES permit for the facility requires e-coli monitoring on a quarterly basis during the summer months. The NPDES permit includes e-coli monitoring in the final effluent interim table as a way to assess the disinfection system's effectiveness at reducing the e-coli count. The NPDES permit final effluent final table will include e-coli monitoring with an effluent limit for e-coli. Collecting e-coli data during the 2013 summer months is very important, as this will provide the facility with useful data regarding the effectiveness of the existing disinfection treatment system.

Discharge monitoring report data shows the flow for the facility has been below detectable limits (.001 MGD) most of the time. The flow monitoring in the NPDES permit is listed as reporting code 0056 (flow in GPD) and the monitoring frequency is once a day as a 24 hr Total Estimate sample. This office encourages the facility to look into water use records to estimate the amount of water used and generated at the facility. The water use records could generate a more accurate flow for the facility.

At the time of the inspection, the operator log book was not located onsite. The log book records are required to be maintained at the facility, pursuant to OAC 3745-7-09(A) (3). The records must be accessible onsite for twenty-four hour inspection by agency or emergency response personnel as prescribed by OAC 3745-7-9(A) (2). The facility Owner and Operator are both responsible to make sure that the log book is available and maintained on site for 24-hour access by Ohio EPA and emergency response personnel. The log must include inspection dates with time in and time out, clearly identify who is logging time at the facility, and list all activities being performed during the visit. In addition to the log book, a copy of the contract with your Operator of Record (ORC) must be maintained at the site.

#### INSPECTION SUMMARY

The wastewater treatment plant was in operation at the time of the inspection. The blower housing unit was removed and the blower appeared to be in operation. The aeration tank was about half full and the contents of the tank were a light grayish brown color. The sludge return line was not in operation and therefore no solids were being returned from the clarifier.

The clarifier was less than half full and there were minimal solids on the surface of the tank. The skimmer was visible and appeared to be set at a satisfactory depth in the tank. The effluent weir had minimal solids accumulation and the effluent was noted to be clear.

The dosing chamber appeared to be in satisfactory condition although there was not enough effluent from the system to dose the sand filters. The surface sand filters had some vegetative growth in both filter beds. The filter sand appears coarse and it is now known if it meets the following Ohio EPA sand media specifications: clean and washed with an effective size between 0.4 and 1.0 mm with a uniformity coefficient not greater than 3.0. Please review the sand media records and provide this office with notification if the sand media meets the above noted specifications.

At the time of the inspection, the disinfection tank appeared clear. The chlorination system was running low on chlorine tablets and a few dechlorination tablets were found in the system. During the inspection, the store manager, Leanne Sullivan, replenished the chlorination tablets. It is understood the chlorination and dechlorination tablets are checked weekly.

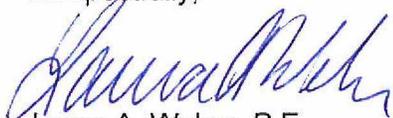
#### SUMMARY

- 1) The filter sand media specifications must be reviewed and the verification must be submitted to this office no later than 14 days from receipt of this letter. If the sand is found to not meet the Ohio EPA filter sand specifications, the media must be replaced. Please notify this office if the sand media needs to be replaced.
- 2) A log book must be provided onsite for this facility. Please inform this office within 14 days from receipt of this letter as to the status of the log book.

- 3) The facility must begin collecting e-coli samples during the summer months to ensure the current disinfection system is effective at e-coli removal. The NPDES permit, interim final outfall table, requires the facility to collect one e-coli sample on a quarterly basis during the summer months. This is a minimum requirement. The final effluent table, beginning May 1, 2014, will include a limit for e-coli.

If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.  
Environmental Engineer  
Division of Surface Water

LAW/cs

Enclosures: NPDES Violations

cc: Munson Corners Sunoco Att: Store Manager  
Mr. Tony Bozeglav, Operator  
Geauga County Health Department, Att: Dave Sage