



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

July 11, 2013

RE: GEAUGA COUNTY
MUNSON TWP
MAC'S CONVENIENCE STORE, CIRCLE K
11800 MAYFIELD RD

NOTICE OF VIOLATION

CERTIFIED MAIL

Mr. Alan J. Cubberley
Mac's Convenience Stores LLC
935 East Tallmadge Avenue
Akron, OH 44310

Dear Mr. Cubberley,

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 assess the operations and maintenance of the treatment system and review compliance with 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) 02-20458, which was effective March 16, 2005. The wastewater system includes a 500-gallon trash trap (existing from previous system), a 1,600-gallon aeration tank, a final settling tank, a 150-gallon dosing tank, a 74 square foot surface sand filter, a 345-gallon chlorination tank.

Below are the findings and recommendations from the inspection:

NPDES PERMIT COMPLIANCE

The NPDES permit issued to the facility March 15, 2011 includes a compliance schedule for the installation of dechlorination facilities. To date, the facility has failed to submit a PTI for the dechlorination facilities at the wastewater treatment plant (WWTP). As such, the facility is in violation of Part I, C of the NPDES permit. A PTI for the dechlorination facilities must be submitted as soon as possible to avoid the initiation of an enforcement action by this Agency.

The complete PTI application must be submitted to this office and must include four copies of detail plans, all required forms and must include a check for the review fee made payable to the Treasurer State of Ohio. The forms to be included in the PTI submittal would include, at minimum, Form A, Form B3 and the Antidegradation Addendum. As a reminder, a PTI must be submitted and prepared by a Professional Engineer. More information regarding PTI's can be found at <http://epa.ohio.gov/dsw/pti/index.aspx>

According to the discharge monitoring report (DMR) data from January 1, 2012 through July 1, 2013, the facility reported with code AH for flow due to the lack of a flow meter. The NPDES permit requires the facility to report flow rate once a day as an estimate. There are various methods for

estimating flow which include time clocks on the dosing pump station pumps. Please review the flow rate monitoring with your operator and respond to this office, in writing, regarding how the flow is to be reported.

The DMR data for the above noted review period was also reviewed for compliance with the NPDES permit. A summary of effluent violations is shown below:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2012	001	00530	Total Suspended Solids	30D Conc	12.0	20.	6/1/2012
June 2012	001	00530	Total Suspended Solids	7D Conc	18.0	20.	6/22/2012
June 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.22	6/1/2012
June 2012	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.22	6/1/2012
August 2012	001	00530	Total Suspended Solids	30D Conc	12.0	32.	8/1/2012
August 2012	001	00530	Total Suspended Solids	7D Conc	18.0	32.	8/1/2012
August 2012	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.18	8/1/2012
December 2012	001	00530	Total Suspended Solids	30D Conc	12.0	24.	12/1/2012
December 2012	001	00530	Total Suspended Solids	7D Conc	18.0	24.	12/1/2012
June 2013	001	00530	Total Suspended Solids	30D Conc	12.0	36.	6/1/2013
June 2013	001	00530	Total Suspended Solids	7D Conc	18.0	36.	6/1/2013

Your wastewater treatment system qualifies as a Class A Wastewater Treatment system. Our records indicate Steve Howe, Charles Newman and Donald Velisek of AKE laboratory are the certified operators of record (ORC) for this facility.

The operator log book and records required pursuant to Ohio Administrative Code (OAC) 3745-7-09(A) (3) are maintained at the facility as required by rule.

INSPECTION SUMMARY

The wastewater treatment system is located adjacent to the store and a parking lot for a car repair shop. The treatment system is currently not fenced in and therefore is subject to tampering and also potential damage from cars. It is recommended the treatment system be fenced in to prevent any potential damage to the treatment units.

At the time of the inspection, a gutter drain was connected to a black corrugated pipe which was discharging right next to the aeration tank. Clean water connections (such as foundation drains or gutter drains) are prohibited from being connected to the sanitary sewer system. This gutter drain discharge pipe must be removed from the area of the WWTP and must not discharge in or around the treatment system.

The aeration tank appeared to be provided with a satisfactory air supply and the contents of the tank appeared to be a dark brown color. Some foam was present in the tank at the time of the inspection. The blower was in operation and no septic odor was noted around the area of the WWTP. The sludge return line was in operation and was running clear. The skimmer return was also observed to be operating. The settling chamber appeared clear with some solids accumulation on the surface of the tank. Foam was noted in the influent baffle area of the settling chamber. The cause of the foam in the tanks was not known. This office is requesting a response from the facility and the operator regarding the potential cause of the foam must be submitted to this office. The skimmer appeared to be set at a satisfactory depth within the clarifier. The effluent weir was free of any solids accumulation.

The dosing station appeared to be in satisfactory condition. Some surface water was pooling around the dosing station. The recent heavy rains experienced in the area could cause further flooding of the area around the WWTP. This office is recommending the owner and operator maintains close watch of the WWTP and the surrounding area and notifies this office immediately if any tanks overflow or become compromised by heavy rain flows.

The surface sand filters appeared to be in satisfactory condition. The chlorination system was inspected and the contents of the chlorination unit were caked together and the chlorine tablets appeared to be caked onto the sidewalls of the chlorination unit. The contents of the disinfection tank appeared cloudy and the final effluent from the tank appeared cloudy. There was no dechlorination system in the tank at the time of the inspection. This office is recommending the disinfection tank to be cleaned out. This must include, at minimum, cleaning sediments and any accumulated solids in the tank and also cleaning and resetting the chlorinator unit.

Your NPDES permit includes a compliance schedule located within Part I, C. The compliance schedule is for the submittal of a PTI for the installation of dechlorination at this facility.

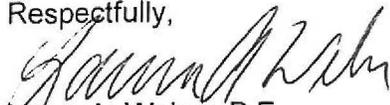
The compliance schedule also includes an evaluation of your disinfection facilities for compliance with the new e.coli bacteria limit. The e.coli bacteria limit is now in the final effluent limits and monitoring requirements table (outfall 001). Your NPDES permit contains both chlorine and bacteria limits which require you to chlorinate (and subsequently dechlorinate) from May through October each year. To date, this office has not received any updates regarding the compliance schedule or a PTI for the disinfection system.

SUMMARY

- 1) Evaluate the current flow monitoring and reporting practices at the WWTP. The facility must begin reporting flow, once a day, with an estimate. Please submit an updated flow reporting protocol the facility will be adhering to. This information must be submitted to this office within 10 days of receipt of this letter.
- 2) You are in violation of Part I, C of the NPDES permit, for failing to submit a PTI for a dechlorination system. You are in violation of Part I, C of the NPDES permit for failing to evaluate the disinfection system serving the facility for compliance with the updated e-coli effluent limits located in the final effluent limitations and monitoring requirements. This office requests you submit a PTI for the disinfection system as soon as possible but no later than August 21, 2013. This office also requests that you submit any updates regarding the disinfection systems ability to meet the final effluent limit for E.Coli at outfall 001 as soon as possible but no later than August 21, 2013.

Should you have any comments or questions 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

cc: AKE Environmental & Construction Services, Inc.
Geauga County Health Department, Att: Dave Sage

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PS Form 3800, August 2006

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<p>1. Article Addressed to:</p> <p>Mr. Alan J. Cubberley Mac's Convenience Stores LLC 935 East Tallmadge Avenue Akron, OH 44310</p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
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