



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

March 6, 2013

RE: NPDES PERMIT # 31V00230
VILLAGE OF FAIRPORT HARBOR
WATER TREATMENT PLANT
LAKE COUNTY
INDUSTRIAL

Mayor, Council and Administrator
Village of Fairport Harbor
220 Third Street
Fairport Harbor, Ohio 44077

Ladies and Gentlemen:

On February 28, 2013, this writer conducted a compliance evaluation inspection of the process water treatment system at the village's water treatment plant. The purpose of the inspection was to evaluate the operation and maintenance condition of the process water treatment system, and to evaluate the facility's compliance with National Pollutant Discharge Elimination System (NPDES) permit. Mr. Paul Honkala, Class I Operator represented the village during the inspection.

Two activities result in the generation of process water - backwash water generated from the backwashing of the rapid sand filters and the wastewater generated from the hosing down of the solids in the settling basin. These two sources of process water are discharged to the backwash water holding tank. The backwash water treatment consists of polymer flocculation, dechlorination and settling. After at least 24 hours of retention, the supernatant from the backwash holding tank is discharged through Outfall 003 to the Grand River. Sludge accumulated in the tank is dewatered onsite and hauled to the Geneva Landfill in Ashtabula County. With the exception of the analyses for trihalomethane and phosphorus, all laboratory analyses are performed in-house. The analyses for trihalomethane and phosphorus are performed by Alloway Environmental in Marion, Ohio.

At the time of inspection, there was no discharge. The operation and maintenance condition of the treatment units was satisfactory.

The village has purchased geotextile filter bags to reduce the amount of water from the sludge prior to the disposal of the sludge. The filter bag is placed in a portable trailer and receives sludge through the top of the bag from a hose connected to the sludge holding tank. Wastewater that filters through the bag is collected in the bottom of the trailer and returned to the backwash holding tank. The dewatered sludge that has collected in the bag is hauled offsite to the Geneva Landfill for final disposal.

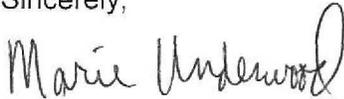
The Discharge Monitoring Reports (DMRs) revealed no effluent limitation violations for the period of May 2011 through January 2013; however, the DMRs continue to show that when the chlorine residual concentrations are below the method detection limit (MDL) and reported as

"AA", the MDL used for the test is noted in the comment section as zero. The method detection limit should be greater than zero, but less than 0.026 mg/l (the effluent limitation for chlorine). Please refer to the manufacturer's manual of the chlorine residual test kit for the estimated method detection limit listed for the equipment. The specific procedures for determining method detection limits are found in Appendix B of Chapter 40, Part 136 of the Code of Federal Regulations.

Be advised that failure to comply with the effluent limitations or to satisfy the monitoring or reporting requirements of your NPDES permit may be cause for enforcement pursuant to the Ohio Revised Code, Chapter 6111.

Should you have questions regarding this letter, please contact the undersigned at (330)963-1183.

Sincerely,

A handwritten signature in cursive script that reads "Marie Underwood".

Marie Underwood, P.E.
Environmental Engineer
Division of Surface Water

MU/cs

cc: Chris York, Sr. Plant Operator