



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

March 16, 2009

RE: NORTH CANTON WATER PLANT
3IN00331*CD
STARK COUNTY

Mr. Richard Steinhebel
WTP Superintendent
City of North Canton Water Plant
145 North Main Street
North Canton, Ohio 44720

Dear Mr. Steinhebel:

On March 13, 2009 this writer conducted a compliance evaluation inspection of your water treatment plant to determine compliance with the above referenced NPDES permit. You accompanied me during the inspection.

The North Canton WTP is a lime soda softening plant. Treatment includes lime soda softening, CO₂ stabilization, rapid gravity filtration, fluoridation, and disinfection with sodium hypochlorite.

Wastewater Produced

- The backwash holding tank is periodically cleaned out.
- Lime sludge solids from the water treatment plant.
- Untreated water from the contaminated well field.

Treatment Provided

- The lime solids are sent to one of five lime sludge lagoons located southeast of the water plant. Supernatant overflows to the wash water lagoon. At the influent to this lagoon (northeast corner) the pH of the water is adjusted down using CO₂. An overflow weir located at the northwest corner is where the effluent is monitored at station 3IN00331002. This effluent eventually discharges to Zimber Ditch via a storm sewer.
- When the backwash holding tank is cleaned, the solids are sent directly to the wash water lagoon entering on the west side of the lagoon.
- Groundwater is treated in an air stripper located at the north side of the plant. The air stripper is still off-line, therefore there was no discharge. Treated water would be discharged to Zimber Ditch via outfall 3IN00331001.

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An excerpt from a treatment plant drawing by Burgess & Niple, Inc. is attached for illustration purpose. You are manually taking a pH sample for outfall 002 as the probe was causing too many maintenance problems. In the near future your water plant may begin recycling a major portion of the water sent to the lagoons. Please let this office know when this happens as there will be a significant drop in flow being reported. Your compliance history for the time period of September 2007 through January 2009 revealed the following violations of your NPDES permit:

Numeric Violations

Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
002	pH	1D Conc	9.0	9.3	4/9/2008
002	pH	1D Conc	9.0	9.3	4/10/2008
002	pH	1D Conc	9.0	9.1	4/14/2008
002	pH	1D Conc	6.5	6.3	11/24/2008
002	pH	1D Conc	6.5	6.4	11/28/2008

Frequency Violations

Station	Parameter	Sample Frequency	Expected	Reported	Violation Date
002	Total Suspended Solids	1/Week	1	0	09/15/2008

If you should have any questions, feel free to contact this writer at (330) 963-1136.

Sincerely,



Philip P. Rhodes, P.E.
Environmental Engineer
Division of Surface Water

PPR/mt

Attachment

File: Industrial Permit/Compliance

