



State of Ohio Environmental Protection Agency

Northeast District Office

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

December 4, 2007

RE: CUYAHOGA COUNTY
CITY OF ROCKY RIVER WWTP
NPDES NO. OH0030503
OHIO EPA NO. 3PE00009

Mayor and Council
City of Rocky River
21012 Hilliard Rd.
Rocky River, OH 44116

Dear Mayor and Council:

On November 8, 2007, a Compliance Evaluation Inspection (CEI) was conducted at the City of Rocky River Wastewater Treatment Plant (WWTP). Present during the inspection were Messrs. Jeff Harrington and Keith Bovard, representing the city of Rocky River, and this writer, of Ohio EPA. The last CEI conducted at the WWTP was on August 31, 2006.

The purpose of the inspection was to evaluate the facility's compliance with the terms and conditions of its National Pollutant Discharge Elimination System (NPDES) permit. Also discussed during the meeting were the treatment plant processes, effluent discharge quality, and general compliance with the intent of the permit.

At the time of the inspection the general operation and maintenance of the plant could be rated as satisfactory, and the following observations were made:

1. Contents of the primary clarifiers were the typical turbid gray color. Effluent troughs were clean and the effluent was clear.
2. The fixed film reactors were in use.
3. Secondary clarifier contents were clear, with a very slight pinfloc. Effluent troughs were clean, and there was evidence of a slight white foam in areas of agitation.
4. The chlorine contact tank contents were clear, but the surface had a large amount of white foam present in areas of agitation.

A review of the Monthly Operating Reports (MOR's) submitted for the WWTP during the period from August 1, 2006, through November 1, 2007, found no NPDES permit effluent numeric violations. The following NPDES permit sampling frequency violations were noted:

**Rocky River Final Effluent Sampling Frequency Violations
(August 1, 2006 through November 2007)**

Reporting Period	Parameter	Sample Frequency	Expected	Reported
December 2006	Oil and Grease, Freon	1 / week	1	0
August 2007	Ammonia Nitrogen	1 / day	1	0

During the inspection the following items were discussed:

- 1) As of October 30, 2007, Keith Bovard was named as Assistant Superintendent to Jeff Harrington. Mr. Bovard has a Class III wastewater operator's license.
- 2) Since the last inspection, the City's contract with the engineering consulting firm of Metcalf and Eddy has been renewed. Metcalf and Eddy represents the city of Rocky River as the City Engineer on needed matters.
- 3) Since the last inspection, construction of the trickling filter recycle pump replacement project was completed (Approximately February 2007). The project included replacement of the original two screw pumps with 4 submersible pumps; the replacement of 8 slide gate actuators; and a new 1500 KVA transformer. The submersible pumping system and slide gate controls were incorporated into the WWTP SCADA system.
- 4) When wastewater flows are less than 22.5 MGD, wastewater is treated by the trickling filters in a series mode. At flow rates greater than 22.5 MGD, the trickling filters are operated in a parallel mode.
- 5) The City has entered into contract for the replacement of four 250 HP variable frequency drives, and replacement of the four 250 HP pump motors, in the settled sewage pump station.
- 6) Planned work for the near future also includes: replacement of a grit classifier at the WWTP headworks; replacement of 5 mechanical bar screens; repair / replacement on various sludge and scum pipes; rebuilding of sludge filter presses; and the relining of approximately 500 feet of the 54 inch concrete headworks bypass pipe.
- 7) Since the last inspection, the #1 Sludge Digester was inspected and the sludge mixer repaired.
- 8) A new dry polymer feed system was installed for the sludge dewatering process, replacing the old system which was installed in 1984.
- 9) Class B dewatered sludge produced at the WWTP is hauled to the Yaworsky Farms, by the farm owner, in Huron County. Backup to the land application alternative is landfilling of the sludge at the Kimble Sanitary Landfill, in Dover, Ohio. A new contract for hauling the sludge to the landfill has been awarded to Agri-Sludge, Inc. for 2008.
- 10) Analysis of collected effluent samples is conducted in-house for suspended solids, CBOD, oil & grease, phosphorus, BACT, ammonia, pH, and dissolved oxygen. Remaining parameters (heavy metals, total kjeldahl nitrogen, and mercury) are analyzed by a commercially contracted lab (Ginosko Labs, Harpster, Ohio).

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- 11) There are 19 full time employees, working in 3 shifts, 24/7, at the Rocky River WWTP.
- 12) A meeting was held between the cities of Rocky River, Bay Village, Fairview Park, and Westlake, on September 21, 2007. The purpose of the meeting was to discuss flooding problems in the cities, and ways to control I/I (inflow/infiltration) problems in the sanitary sewer system tributary to the Rocky River WWTP, thus eventually eliminating SSO (sanitary sewer overflow) events.
- 13) Samples collected for E.Coli treatment at the Rocky River WWTP have been found to meet the new E.Coli limit of 126 #/100 ml, which becomes effective on August 1, 2008, for the plant effluent discharged to Lake Erie.

If you have any comments or questions regarding this correspondence, you may contact me at (330) 963-1110.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/mt