



State of Ohio Environmental Protection Agency

Northeast District Office

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

April 7, 2008

RE: LAKE COUNTY
COUNTY OPERATED PACKAGE PLANTS
COMPLIANCE EVALUATION INSPECTIONS
NPDES PERMIT NOS. - 3PG00072,
3PH00054, 3PG00130, 3PG00063

Mr. Gary Long, Director of Operations
Lake County Department of Utilities
Lake County Administration Center
105 Main Street
Painesville, OH 44077

Dear Mr. Long:

On March 28, 2008, this writer conducted inspections of the Heatherstone, Rio Grande, Sunshine Acres and Dodd's Hill wastewater treatment plants. Mr. Gregory Widmer, Supervisor, represented the county during the inspections.

Plant Observations and Comments

Dodd's Hill WWTP (NPDES Permit No. 3PG00072)

The plant was producing an effluent with satisfactory visual quality, free of solids and oil and grease. The plant consists of a 24,000 gallon extended aeration plant followed by a micro-screen and ultraviolet light disinfection. At the time of inspection, all treatment units were in operation.

A review of the plant's discharge monitoring reports for the period of October 2006 through February 2008 revealed no effluent limitation violations or frequency violations.

Heatherstone WWTP (NPDES Permit No. 3PH00054)

The plant was producing an effluent free of solids and oil and grease; however some foam was evident in the effluent chamber. The 0.4 MGD plant consists of aeration, clarification, surface sand filtration and UV disinfection. At the time of inspection, workers were repairing the drive unit on one of the clarifiers. Mr. Widmer attributes the foam in the effluent to the drive unit being down.

A review of the plant's discharge monitoring reports for the period of October 2006 through February 2008 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	7D Qty	27	37.3787	2/1/2008

Rio Grande WWTP (NPDES Permit No. 3PG00130)

The plant was producing an effluent with satisfactory visual quality, free of solids and oil and grease. The 21,500 gpd plant consists of a Flat Plate Membrane Bioreactor (MBR) System followed by UV disinfection. The formerly used extended aeration plant still exists; however, it is not used for treating sanitary wastewater. The extended aeration plant contains rainwater that is

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aerated. The filter beds from the old extended aeration plant also remain. Soil erosion in the vicinity of the effluent discharge pipe, on the south side of State Route 86, continues to persist.

A review of the plant's discharge monitoring reports for the period of October 2006 through February 2008 revealed no effluent limitation or frequency violations.

Sunshine Acres WWTP (NPDES Permit No. 3PG00063)

The plant was producing an effluent free of solids and oil and grease. The 20,000 gpd plant includes an extended aeration plant followed by a surface sand filter and UV disinfection. At the time of inspection, all treatment units were in operation. The concrete tank wall surrounding the grease trap/bar screen was crumbling, the settling tank content was turbid and the surface sand filter was ponded with sludge and wastewater.

On February 26, 2008, this office received a permit-to-install application and design plans for the installation of a flow equalization unit to be installed at the head of the plant. This office awaits a response to the requested revisions to the plans.

A review of the plant's discharge monitoring reports for the period of October 2006 through February 2008 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia-NH3	7D Conc	4.5	5.3	12/1/2006

Please 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.

Actions to be Taken by Permittee

Within 10 days of the date of this letter, please submit in writing, a response letter outlining the corrective actions that will be implemented to eliminate the above highlighted deficiencies. Your response should include the dates, either actual or proposed, for completion of the actions.

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

Sincerely,



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

MU/mt

cc: Gregory Widmer, Supervisor