



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

January 4, 2010

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

Mr. Robert Shelby
Assistant Superintendent
Gary L. Kron Water Reclamation Facility
8471 Lakeshore Boulevard
Mentor, Ohio 44060

Dear Mr. Shelby:

On December 22, 2009, this writer conducted Compliance Evaluation Inspections of the Heatherstone, Rio Grande, Sunshine Acres and Dodd's Hill wastewater treatment plants. The purpose of the inspections was to evaluate the WWTPs' operation and maintenance conditions, and to evaluate the facilities' compliance with National Pollutant Discharge Elimination System (NPDES) permit effluent limits. 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. Operation and maintenance of the plant was satisfactory.

A review of the plant's discharge monitoring reports for the period of February 2008 through November 2009 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, all treatment units were in operation. Operation and maintenance of the plant was satisfactory.

A review of the plant's discharge monitoring reports for the period of February 2008 through November 2009 revealed the following effluent limitation violations:

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	30D Qty	18	26.3648	3/1/2008
001	00530	Total Suspended Solids	7D Qty	27	28.8644	3/1/2008
001	00530	Total Suspended Solids	7D Qty	27	42.7383	3/15/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	4.5	4.8644	4/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	6.8	7.14192	4/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	6.8	8.49127	4/8/2008
001	00530	Total Suspended Solids	7D Qty	27	37.3787	2/1/2008
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	2.3	2.72047	10/1/2009

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 has been removed with the exception of the effluent tank and a single filter bed. The effluent tank is now used for sludge holding. These units were kept in order to provide additional operation support of the MBR wastewater treatment system, if needed. Operation and maintenance of the MBR plant was satisfactory. Soil erosion in the vicinity of the effluent discharge pipe, on the south side of State Route 86, continues to persist. According to Mr. Widmer, the Ohio Department of Transportation is aware of this problem.

A review of the plant's discharge monitoring reports for the period of February 2008 through November 2009 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. Operation and maintenance of the plant was satisfactory.

A review of the plant's discharge monitoring reports for the period of February 2008 through November 2009, revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.26	.33914	2/8/2009

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.

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Actions to be Taken by Permittee

Please inform this office, in writing, within 14 days of receipt of this notification as to the reasons for the above referenced violations, as well as a description of the actions taken or proposed to prevent any further violations. 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,

A handwritten signature in black ink that reads "Marie Underwood". The signature is written in a cursive style with a large initial "M".

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

MU/mt

cc: Gregory Widmer, Supervisor