



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

June 10, 2013

RE: LAKE COUNTY
COUNTY OWNED PACKAGE PLANTS
NPDES PERMIT NOS. – 3PG00072,
3PH00054, 3PG00130, 3PG00063
COMPLIANCE EVALUATION INSPECTIONS
& NOTICE OF VIOLATIONS

Robert Shelby, Director of Operations
Lake County Department of Utilities
Lake County Administration Center
105 Main Street
Painesville, Ohio 44077

Dear Mr. Shelby:

On June 4, 2013, this writer conducted Compliance Evaluation Inspections of the Rio Grande, Sunshine Acres, Dodd's Hill and Heatherstone wastewater treatment plants (WWTP). The purpose of the inspections was to evaluate the facility's compliance status with respect to the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permit. Mr. Nathan Zuege, Package Plant Supervisor, and Mr. Michael Melnyk, Assistant Superintendent of the Gary L. Kron Water Reclamation Facility, represented the county during the inspections.

Plant Observations and Comments:

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. Operation and maintenance of the MBR plant was satisfactory.

A review of the plant's discharge monitoring reports for the period of January 2012 through April 2013 revealed no effluent limitation violations.

Sunshine Acres WWTP (NPDES Permit No. 3PG00063)

The plant was producing an effluent with satisfactory visual quality, free of solids, oil and grease. The 20,000 gpd plant includes an extended aeration plant followed by a surface sand filter and UV disinfection. Operation and maintenance of the plant was satisfactory. New diffusers and the associated piping were installed in the aeration tank in 2012. Posts have been installed at the southeast corner of Lester Drive and State Route 86, to identify the exact location of the effluent pipe.

A review of the plant's discharge monitoring reports for the period of January 2012 through April 2013 revealed no effluent limitation violations.

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 December 2009 through April 2013 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	31616	Fecal Coliform	7D Conc	2000	3240.	5/8/2011
001	00530	Total Suspended Solids	30D Conc	12	28.	11/1/2011
001	00530	Total Suspended Solids	7D Conc	18	28.	11/1/2011
001	00530	Total Suspended Solids	30D Qty	1.09	1.80166	11/1/2011
001	00530	Total Suspended Solids	7D Qty	1.64	1.80166	11/1/2011
001	00530	Total Suspended Solids	7D Qty	1.64	1.83951	12/1/2011

Heatherstone WWTP (NPDES Permit No. 3PH00054)

The plant was producing an effluent free of solids and oil and grease. 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 revealed the January 2012 through April 2013 revealed the following effluent limitation violations:

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids	30D Qty	18	39.5433	11/1/2012
001	00530	Total Suspended Solids	7D Qty	27	98.1393	11/1/2012
001	80082	CBOD 5 day	7D Qty	23	27.1971	11/1/2012
001	00530	Total Suspended Solids	7D Qty	27	34.7841	11/22/2012
001	00552	Oil and Grease, Hexane	1D Conc	10	36.	12/4/2012

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

This office has received the responses to the effluent limitation violations cited above. No additional information on the effluent limitation violations is requested at this time.

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/cs

cc: Michael Melnyk, Assistant Superintendent, GLKWRF