



**Environmental
Protection Agency**

John R. Kasich, Governor

Mary Taylor, Lt. Governor

Scott J. Nally, Director

January 20, 2012

RE: GEAUGA COUNTY
CLARIDON TWP
JACQUES MHP
NPDES NO. 3PV00007*ED

Mr. Mark Coleman
Managing Member of General Partnership
990 Beach Avenue, Suite 114
Vancouver, B.C., Canada V6Z 2N9

Dear Mr. Coleman:

On January 11, 2012, this writer, accompanied by Dean Stoll of this office and Dave Sage of the Geauga County Health Department, met onsite with representatives for Jacques Mobile Home Park. The following were in attendance at the meeting and represented Jacques MHP: Josh Goodridge, Carol Sanford, Carol Shrivone and Dennis Meek, P.E.

This letter is to serve as notification that your facility is being referred to our legal section for enforcement due to continued non-compliance. The facility has violated the final effluent and monitoring frequency limits of its National Pollutant Discharge Elimination System (NPDES) permit, on 353 separate occasions, between the dates of January 2008 and continuing through October 2011. This facility has been in significant noncompliance for the past permit cycle. The system has continued noncompliance with 93 violations that have accrued from January 1, 2010 to October 2011.

The wastewater treatment plant (WWTP) has a history of unsatisfactory plant maintenance. The UV disinfection system was installed without the issuance of a permit-to-install (PTI). Most recently, a PTI was submitted for rebuilding of the north sand filter and recommissioning of the aerated sludge holding tank.

This facility is exposed to heavy flows and hydraulic surges which overload the WWTP. These heavy flows and surges are caused by inflow and infiltration in the collection system. Mr. Dennis Meek, P.E., the current engineer working on this system, has indicated the collection system is causing problems at the WWTP. The previous operator informed this office that a formal investigation of the collection system was performed. To date, there has been no formal submittal to this office regarding an evaluation of the collection system. This office recommends the collection system be evaluated to find potential sources of inflow and infiltration. It was indicated the laterals may be a major source. To find out the exact source, this office recommends a formal evaluation be conducted immediately. The results must be forwarded to this office.

INSPECTION

Below are the findings and recommendations from the inspection:

The facility provides a bound log book onsite, in the maintenance shed. The log book contained dated entries on numbered pages. The sign in and sign out times were not consistently provided. The operator must provide the sign in and sign out time at each visit. All work completed during a visit must be included in the entry.

The trash trap appeared to be less than half full. The trash trap is pumped out approximately four times a year. The flow equalization tank was in operation and provided with adequate aeration. The splitter box to the WWTP appeared to be in satisfactory condition. At the time of the inspection, the flow equalization tank appeared to be operating at less than half the tank capacity. It is understood the flow equalization tank can become full due to the excessive Inflow and Infiltration within the collection system. Please be aware, per Part III of your NPDES permit, any sanitary sewer overflow must be reported to the Ohio EPA within 24 hours of occurrence.

The aeration tanks were in operation with the sludge return lines and skimmer returns in operation. The color of the mixed liquor in the tanks was a light brown. Air circulation was noted in all three tanks. It was noted the air provided to the tanks may be inadequate with air loss noted at the west end of the tanks. The diffusers may need to be evaluated and a potential upgrade required so that air is evenly distributed to the entire tank.

The clarifier portion of the WWTP was in operation. The skimmer was visible and the surface of the tank contained some floating solids. The effluent chamber located after the clarifier/settling tank was free of solids.

The dosing station appeared to be in good condition. However, it was noted solids have not been removed from this tank. It was not known the last time solids were removed from the dosing tank. This office recommends solids be removed from the dosing tank. The solids accumulating in the dosing chamber are passed through to the surface sand filters.

The sand filter upgrade was completed over a month ago. The updated sand filters appeared to be structurally in good condition. The existing large south filter was full of solids that were in the process of being removed. The upgraded filters were clear of solids. This office questioned the source of the sand used in the upgraded filter beds. This filter sand appeared to resemble concrete sand. This office will need verification that this filter sand meets Ohio EPA filter sand specification. More specifically, filter sand must be clean and washed with an effective size between 0.4 and 1.0 mm with a uniformity coefficient not greater than 3.0. Please submit proper verification this filter sand meets these specifications.

The UV unit is housed in the old chlorination tank. At the time of the inspection, the UV disinfection unit was not in operation. Per your NPDES permit, the facility is not required to disinfect during the winter months. The UV unit disinfects the effluent through the effluent pipe/trough. The UV unit disinfects the effluent as it travels through the effluent pipe to the final outfall, located east of the WWTP. The tank is subject to rainwater and snow melt inflow. Adding a cover over the tank may assist in preventing the accumulation of the rainwater and runoff. The facility has halted pumping water from the disinfection tank and discharging to Waters of the State. This water is now routed to the flow equalization tank.

runoff. The facility has halted pumping water from the disinfection tank and discharging to Waters of the State. This water is now routed to the flow equalization tank.

Ohio EPA's, Compliance Assistant Unit (CAU), is available to owners and operators of wastewater treatment systems. The CAU may be able to offer your treatment plant diagnostic services in addition to operation and maintenance assistance. If you are interested in contacting the CAU, please contact Jon van Dommelen at (614) 644-2011 or by e-mail at: jon.vandommelen@epa.state.oh.us.

SUMMARY

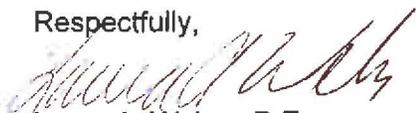
The WWTP must be upgraded to a satisfactory condition. At the minimum, the following improvements must be made:

- 1) Complete an evaluation of the collection system. This should include, but not be limited to, investigations of all laterals, downspouts, manhole covers and sewer lines.
- 2) Provide source of filter sand and specifications for the sand currently located in the filters.
- 3) The sand filters must be cleaned of all solids. The solids removed must be kept in the dumpster located onsite. The discarded sand must not remain in piles onsite for an extended period of time.
- 4) Evaluate the aeration tank air distribution system. Complete necessary repairs and/or upgrades to the diffusers so that air is evenly distributed throughout the entire tank.

You must provide a response, within 30 days of receipt of this letter, explaining action that will or have been taken to return the treatment system to full compliance with the NPDES permit. The response must include a schedule for completing each identified action.

If you have any questions or comments regarding this letter, please contact this office at (330) 963-1299.

Respectfully,



Laura A. Weber, P.E.
Environmental Engineer
Division of Surface Water

LAW/cs

Attachments: Violation Summary

cc: Mrs. Carolyn Loschiavo, Jacques MHP (with attachments)
Geauga County Health Department: Dave Sage
Mr. Dennis Meek, P.E.

ec: Mr. Mark Coleman

File: Semi-Public/Geauga/ClaridonTwp/JacquesMHP

Discharge Violations January 1, 2008 through February 1, 2010:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
January 2008	001	80082	CBOD 5 day	30D Conc	10	20.025	1/1/2008
January 2008	001	80082	CBOD 5 day	30D Qty	1.0	2.04365	1/1/2008
January 2008	001	80082	CBOD 5 day	1D Conc	15	23.7	1/3/2008
January 2008	001	80082	CBOD 5 day	1D Qty	1.4	2.33232	1/3/2008
January 2008	001	80082	CBOD 5 day	1D Conc	15	42.7	1/8/2008
January 2008	001	80082	CBOD 5 day	1D Qty	1.4	4.04049	1/8/2008
February 2008	001	80082	CBOD 5 day	30D Conc	10	44.2333	2/1/2008
February 2008	001	80082	CBOD 5 day	30D Qty	1.0	6.17228	2/1/2008
February 2008	001	80082	CBOD 5 day	1D Conc	15	37.1	2/12/2008
February 2008	001	80082	CBOD 5 day	1D Qty	1.4	5.89779	2/12/2008
February 2008	001	80082	CBOD 5 day	1D Conc	15	40.8	2/21/2008
February 2008	001	80082	CBOD 5 day	1D Qty	1.4	3.84526	2/21/2008
February 2008	001	80082	CBOD 5 day	1D Conc	15	54.8	2/26/2008
February 2008	001	80082	CBOD 5 day	1D Qty	1.4	8.77378	2/26/2008
March 2008	001	80082	CBOD 5 day	30D Conc	10	21.5	3/1/2008
March 2008	001	80082	CBOD 5 day	30D Qty	1.0	3.83326	3/1/2008
March 2008	001	80082	CBOD 5 day	1D Conc	15	16.5	3/5/2008
March 2008	001	80082	CBOD 5 day	1D Conc	15	32.9	3/12/2008
March 2008	001	80082	CBOD 5 day	1D Qty	1.4	5.97727	3/12/2008
March 2008	001	80082	CBOD 5 day	1D Qty	1.4	4.70476	3/19/2008
March 2008	001	80082	CBOD 5 day	1D Conc	15	25.6	3/26/2008
March 2008	001	80082	CBOD 5 day	1D Qty	1.4	4.65101	3/26/2008
April 2008	001	80082	CBOD 5 day	30D Conc	10	39.08	4/1/2008
April 2008	001	80082	CBOD 5 day	30D Qty	1.0	3.62225	4/1/2008
April 2008	001	80082	CBOD 5 day	1D Qty	1.4	1.67146	4/2/2008
April 2008	001	80082	CBOD 5 day	1D Conc	15	36.1	4/9/2008
April 2008	001	80082	CBOD 5 day	1D Qty	1.4	3.27932	4/9/2008
April 2008	001	80082	CBOD 5 day	1D Conc	15	30.5	4/16/2008
April 2008	001	80082	CBOD 5 day	1D Qty	1.4	2.77062	4/16/2008
April 2008	001	80082	CBOD 5 day	1D Conc	15	72.	4/23/2008
April 2008	001	80082	CBOD 5 day	1D Qty	1.4	5.99544	4/23/2008
April 2008	001	80082	CBOD 5 day	1D Conc	15	43.	4/30/2008
April 2008	001	80082	CBOD 5 day	1D Qty	1.4	4.39439	4/30/2008
May 2008	001	80082	CBOD 5 day	30D Conc	10	54.175	5/1/2008
May 2008	001	80082	CBOD 5 day	30D Qty	1.0	4.0931	5/1/2008
May 2008	001	80082	CBOD 5 day	1D Conc	15	137.5	5/7/2008
May 2008	001	80082	CBOD 5 day	1D Qty	1.4	8.84744	5/7/2008
May 2008	001	80082	CBOD 5 day	1D Conc	15	32.1	5/14/2008
May 2008	001	80082	CBOD 5 day	1D Qty	1.4	3.03746	5/14/2008
May 2008	001	80082	CBOD 5 day	1D Conc	15	24.9	5/21/2008
May 2008	001	80082	CBOD 5 day	1D Qty	1.4	2.6389	5/21/2008
May 2008	001	80082	CBOD 5 day	1D Conc	15	22.2	5/28/2008
May 2008	001	80082	CBOD 5 day	1D Qty	1.4	1.84859	5/28/2008
June 2008	001	80082	CBOD 5 day	30D Conc	10	24.8	6/1/2008

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June 2008	001	80082	CBOD 5 day	30D Qty	1.0	1.63275	6/1/2008
June 2008	001	80082	CBOD 5 day	1D Conc	15	28.1	6/4/2008
June 2008	001	80082	CBOD 5 day	1D Qty	1.4	2.5526	6/4/2008
June 2008	001	80082	CBOD 5 day	1D Conc	15	30.4	6/11/2008
June 2008	001	80082	CBOD 5 day	1D Qty	1.4	1.84102	6/11/2008
June 2008	001	80082	CBOD 5 day	1D Conc	15	22.9	6/18/2008
June 2008	001	80082	CBOD 5 day	1D Conc	15	17.8	6/25/2008
November 2008	001	80082	CBOD 5 day	1D Conc	15	19.8	11/12/2008
November 2008	001	80082	CBOD 5 day	1D Qty	1.4	1.64875	11/12/2008
February 2009	001	80082	CBOD 5 day	30D Qty	1.0	1.41483	2/1/2009
February 2009	001	80082	CBOD 5 day	1D Qty	1.4	1.98864	2/11/2009
February 2009	001	80082	CBOD 5 day	1D Qty	1.4	1.41559	2/18/2009
August 2009	001	80082	CBOD 5 day	1D Conc	15	21.5	8/12/2009
August 2009	001	80082	CBOD 5 day	1D Qty	1.4	1.54617	8/12/2009
August 2010	001	80082	CBOD 5 day	1D Conc	15	15.4	8/5/2010
March 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	1.7	3/5/2008
March 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	1.3	3/12/2008
March 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	4.9	3/19/2008
March 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	2.6	3/26/2008
April 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	4.6	4/2/2008
April 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	.02	4/9/2008
April 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	2.6	4/16/2008
April 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	.01	4/23/2008
April 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	.8	4/30/2008
May 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.02	5/7/2008
May 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.02	5/14/2008
May 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.02	5/21/2008
May 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.8	5/28/2008
June 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.02	6/4/2008
June 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.01	6/11/2008
June 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.3	6/18/2008
June 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.4	6/25/2008
July 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.02	7/2/2008
July 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.06	7/9/2008
July 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	.1	7/16/2008
August 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	1.4	8/13/2008
August 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	2.1	8/20/2008
August 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	1.2	8/27/2008
September 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	1.3	9/3/2008
September 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	3.8	9/17/2008
September 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	3.	9/24/2008
October 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	2.6	10/1/2008
October 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	2.5	10/8/2008
October 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	2.1	10/15/2008
October 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	2.	10/22/2008
October 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	3.	10/29/2008
November 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	4.6	11/12/2008

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February 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.9	2/4/2009
February 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.7	2/11/2009
February 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.3	2/18/2009
February 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	2/25/2009
March 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.2	3/4/2009
March 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.3	3/11/2009
March 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	3.7	3/18/2009
April 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.7	4/1/2009
April 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	3.7	4/8/2009
April 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	4/15/2009
April 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.8	4/22/2009
May 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	5/6/2009
May 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.2	5/20/2009
May 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.1	5/27/2009
June 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	3.7	6/3/2009
June 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.3	6/10/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.2	7/1/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	4.4	7/8/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	4.	7/15/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	3.5	7/22/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	3.5	7/29/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.9	8/5/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	.9	8/12/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	1.9	8/19/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	1.6	8/26/2009
September 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	4.9	9/2/2009
September 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	3.8	9/9/2009
September 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	4.7	9/16/2009
September 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	2.6	9/23/2009
September 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.7	9/30/2009
January 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	4.8	1/20/2010
March 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	4.9	3/3/2010
March 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	3.	3/10/2010
March 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	2.4	3/17/2010
March 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	3.3	3/24/2010
March 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	3.2	3/31/2010
April 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	4.1	4/7/2010
April 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	2.7	4/14/2010
May 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	1.2	5/5/2010
May 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.1	5/19/2010
May 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	.5	5/26/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	1.6	6/2/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	.2	6/9/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.1	6/16/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.3	6/23/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.1	6/30/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.3	7/7/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.2	7/14/2010

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July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.	7/21/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.	8/5/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.3	8/18/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.2	8/25/2010
September 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.3	9/1/2010
September 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	9/22/2010
September 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.5	9/29/2010
May 2010	001	31616	Fecal Coliform	30D Conc	1000	3840.	5/1/2010
May 2010	001	31616	Fecal Coliform	1D Conc	2000	3840.	5/26/2010
June 2010	001	31616	Fecal Coliform	30D Conc	1000	1020.	6/1/2010
July 2011	001	31616	Fecal Coliform	1D Conc	2000	2000.	7/13/2011
July 2011	001	31616	Fecal Coliform	1D Conc	2000	2000.	7/20/2011
August 2011	001	31616	Fecal Coliform	1D Conc	2000	2000.	8/9/2011
January 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	11.4725	1/1/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	1.29816	1/1/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	12.1	1/3/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.19076	1/3/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	12.6	1/8/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.19228	1/8/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	17.6	1/17/2008
January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	2.34488	1/17/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	15.5333	2/1/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	2.12486	2/1/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	11.3	2/12/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.79636	2/12/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	16.3	2/21/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.53622	2/21/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	19.	2/26/2008
February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	3.042	2/26/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	9.875	3/1/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	1.96744	3/1/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	10.55	3/5/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	9.2	3/19/2008
March 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	3.93489	3/19/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	19.4166	4/1/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	2.01173	4/1/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	15.	4/2/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.8168	4/2/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	17.75	4/16/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.61241	4/16/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	25.5	4/30/2008
April 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	2.60597	4/30/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	38.	5/1/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	3.32465	5/1/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	28.25	5/14/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	2.67316	5/14/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	47.75	5/28/2008
May 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	3.97614	5/28/2008

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June 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	42.5	6/1/2008
June 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	2.4858	6/1/2008
June 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	38.5	6/11/2008
June 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	2.33156	6/11/2008
June 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	46.5	6/25/2008
June 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	2.64004	6/25/2008
July 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	27.75	7/1/2008
July 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	3.15101	7/1/2008
July 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	27.75	7/9/2008
July 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	3.15101	7/9/2008
August 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.55	8/1/2008
August 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.2553	8/1/2008
August 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.55	8/20/2008
August 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.2553	8/20/2008
September 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	6.725	9/1/2008
September 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.63389	9/1/2008
September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	12.8	9/17/2008
September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	1.2112	9/17/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	11.65	10/1/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	10.31	10/1/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	1.27876	10/1/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	1.25667	10/1/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	13.15	10/15/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	1.84159	10/15/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	6.13	10/29/2008
October 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.64966	10/29/2008
February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	8.775	2/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	1.39439	2/1/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	.8486	2/4/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	11.65	2/18/2009
February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	1.94019	2/18/2009
April 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	.59163	4/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	11.65	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.86658	8/1/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	13.	8/5/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.83649	8/5/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	10.3	8/19/2009
August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.89667	8/19/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	6.82333	9/1/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.47937	9/1/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	11.9	9/2/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.76571	9/2/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	8.	9/16/2009
September 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.57532	9/16/2009
January 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	.40878	1/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	4.31333	3/1/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	4.0	5.71	4/1/2010
April 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	10.55	4/14/2010

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May 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.84	5/1/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.29693	5/1/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.78	5/13/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.35768	5/13/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.9	5/26/2010
May 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.23618	5/26/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	8.25	6/1/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.3645	6/1/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	12.8	6/9/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.53293	6/9/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.7	6/23/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	9.9	7/1/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.48827	7/1/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	11.4	7/7/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.69038	7/7/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	8.4	7/21/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.28615	7/21/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	8.05	8/1/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.46366	8/1/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	6.3	8/5/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	9.8	8/18/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.92733	8/18/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	10.75	9/1/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	7.77667	9/1/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.93584	9/1/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.63259	9/1/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	5.03	9/15/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.2475	9/15/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	7.55	9/29/2010
September 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.71442	9/29/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	17.625	10/1/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	1.25615	10/1/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	13.75	10/13/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.88474	10/13/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	21.5	10/27/2010
October 2010	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	1.62755	10/27/2010
April 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.38	.72605	4/1/2011
April 2011	001	00610	Nitrogen, Ammonia (NH3	1D Conc	6.0	6.73	4/5/2011
April 2011	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.57	2.05313	4/5/2011
May 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.14	.17675	5/1/2011
May 2011	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.54	5/3/2011
May 2011	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.83609	5/3/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.75	3.21	9/27/2011
September 2011	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.21	.27945	9/27/2011
January 2008	001	00530	Total Suspended Solids	30D Conc	12	47.5	1/1/2008
January 2008	001	00530	Total Suspended Solids	30D Qty	1.2	4.99999	1/1/2008
January 2008	001	00530	Total Suspended Solids	1D Conc	18	52.	1/3/2008
January 2008	001	00530	Total Suspended Solids	1D Qty	1.7	5.11732	1/3/2008

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January 2008	001	00530	Total Suspended Solids	1D Conc	18	88.	1/8/2008
January 2008	001	00530	Total Suspended Solids	1D Qty	1.7	8.327	1/8/2008
January 2008	001	00530	Total Suspended Solids	1D Conc	18	22.	1/17/2008
January 2008	001	00530	Total Suspended Solids	1D Qty	1.7	2.9311	1/17/2008
January 2008	001	00530	Total Suspended Solids	1D Conc	18	28.	1/24/2008
January 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.62452	1/24/2008
February 2008	001	00530	Total Suspended Solids	30D Conc	12	43.6666	2/1/2008
February 2008	001	00530	Total Suspended Solids	30D Qty	1.2	6.24109	2/1/2008
February 2008	001	00530	Total Suspended Solids	1D Conc	18	68.	2/12/2008
February 2008	001	00530	Total Suspended Solids	1D Qty	1.7	10.8099	2/12/2008
February 2008	001	00530	Total Suspended Solids	1D Conc	18	33.	2/21/2008
February 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.11013	2/21/2008
February 2008	001	00530	Total Suspended Solids	1D Conc	18	30.	2/26/2008
February 2008	001	00530	Total Suspended Solids	1D Qty	1.7	4.80317	2/26/2008
March 2008	001	00530	Total Suspended Solids	30D Conc	12	13.	3/1/2008
March 2008	001	00530	Total Suspended Solids	30D Qty	1.2	1.90007	3/1/2008
March 2008	001	00530	Total Suspended Solids	1D Conc	18	21.	3/5/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.27024	3/12/2008
March 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.42164	3/19/2008
April 2008	001	00530	Total Suspended Solids	30D Conc	12	17.8	4/1/2008
April 2008	001	00530	Total Suspended Solids	30D Qty	1.2	1.67297	4/1/2008
April 2008	001	00530	Total Suspended Solids	1D Qty	1.7	1.93792	4/2/2008
April 2008	001	00530	Total Suspended Solids	1D Conc	18	36.	4/23/2008
April 2008	001	00530	Total Suspended Solids	1D Qty	1.7	2.99772	4/23/2008
May 2008	001	00530	Total Suspended Solids	30D Conc	12	31.25	5/1/2008
May 2008	001	00530	Total Suspended Solids	30D Qty	1.2	2.49242	5/1/2008
May 2008	001	00530	Total Suspended Solids	1D Conc	18	58.	5/7/2008
May 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.73201	5/7/2008
May 2008	001	00530	Total Suspended Solids	1D Conc	18	34.	5/14/2008
May 2008	001	00530	Total Suspended Solids	1D Qty	1.7	3.21725	5/14/2008
May 2008	001	00530	Total Suspended Solids	1D Conc	18	21.	5/28/2008
May 2008	001	00530	Total Suspended Solids	1D Qty	1.7	1.74867	5/28/2008
June 2008	001	00530	Total Suspended Solids	30D Conc	12	65.75	6/1/2008
June 2008	001	00530	Total Suspended Solids	30D Qty	1.2	5.31319	6/1/2008
June 2008	001	00530	Total Suspended Solids	1D Conc	18	188.	6/4/2008
June 2008	001	00530	Total Suspended Solids	1D Qty	1.7	17.0779	6/4/2008
June 2008	001	00530	Total Suspended Solids	1D Conc	18	20.	6/18/2008
June 2008	001	00530	Total Suspended Solids	1D Conc	18	37.	6/25/2008
June 2008	001	00530	Total Suspended Solids	1D Qty	1.7	2.10068	6/25/2008
July 2008	001	00530	Total Suspended Solids	30D Conc	12	26.	7/1/2008
July 2008	001	00530	Total Suspended Solids	30D Qty	1.2	2.0868	7/1/2008
July 2008	001	00530	Total Suspended Solids	1D Conc	18	35.	7/2/2008
July 2008	001	00530	Total Suspended Solids	1D Qty	1.7	2.6495	7/2/2008
July 2008	001	00530	Total Suspended Solids	1D Conc	18	22.	7/9/2008
July 2008	001	00530	Total Suspended Solids	1D Qty	1.7	2.4981	7/9/2008
July 2008	001	00530	Total Suspended Solids	1D Conc	18	21.	7/16/2008
August 2008	001	00530	Total Suspended Solids	30D Conc	12	14.	8/1/2008
August 2008	001	00530	Total Suspended Solids	1D Conc	18	22.	8/27/2008

August 2008	001	00530	Total Suspended Solids	1D Qty	1.7	1.91521	8/27/2008
December 2008	001	00530	Total Suspended Solids	1D Qty	1.7	1.85465	12/31/2008
March 2009	001	00530	Total Suspended Solids	1D Conc	18	19.	3/11/2009
March 2009	001	00530	Total Suspended Solids	1D Qty	1.7	2.66086	3/11/2009
April 2009	001	00530	Total Suspended Solids	1D Qty	1.7	4.37168	4/1/2009
April 2009	001	00530	Total Suspended Solids	30D Qty	1.2	1.63815	4/1/2009
April 2009	001	00530	Total Suspended Solids	1D Qty	1.7	1.74867	4/15/2009
July 2009	001	00530	Total Suspended Solids	1D Conc	18	24.	7/22/2009
July 2009	001	00530	Total Suspended Solids	1D Qty	1.7	2.81604	7/22/2009
December 2009	001	00530	Total Suspended Solids	1D Qty	1.7	2.86146	12/30/2009
May 2010	001	00530	Total Suspended Solids	1D Conc	18	20.	5/26/2010
July 2010	001	00530	Total Suspended Solids	1D Conc	18	20.	7/7/2010
January 2011	001	00530	Total Suspended Solids	1D Conc	18	36.	1/18/2011
January 2011	001	00530	Total Suspended Solids	1D Qty	1.7	2.45268	1/18/2011
January 2011	001	00530	Total Suspended Solids	1D Conc	18	21.	1/25/2011
January 2011	001	00530	Total Suspended Solids	1D Qty	1.7	2.46404	1/25/2011
March 2011	001	00530	Total Suspended Solids	1D Conc	18	19.	3/8/2011
May 2011	001	00530	Total Suspended Solids	30D Qty	1.2	1.49666	5/1/2011
May 2011	001	00530	Total Suspended Solids	1D Qty	1.7	2.59802	5/3/2011
May 2011	001	00530	Total Suspended Solids	1D Conc	18	24.	5/17/2011
May 2011	001	00530	Total Suspended Solids	1D Qty	1.7	3.27024	5/17/2011
October 2011	001	00530	Total Suspended Solids	1D Qty	1.7	1.86222	10/4/2011

Frequency Violations:

Reporting Period	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
January 2008	00400	pH	1/Week	1	0	01/08/2008
January 2008	00300	Dissolved Oxygen	1/Week	1	0	01/08/2008
January 2008	00010	Water Temperature	1/Day	1	0	01/12/2008
January 2008	00010	Water Temperature	1/Day	1	0	01/13/2008
February 2008	00530	Total Suspended Solids	1/Week	1	0	02/01/2008
February 2008	80082	CBOD 5 day	1/Week	1	0	02/01/2008