Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

February 26, 2013

RE: SUNRISE MHP
1099 JAMES DRIVE
YELLOW CREEK TWP.
COLUMBIANA COUNTY
PERMIT NO. 3PV00094

NOTICE OF VIOLATION

Mr. John Poltorak
Sunrise Cottages LLC
P.O. Box 993
Birmingham, MI 48012

Dear Mr. Poltorak:

On February 21, 2013, this writer conducted an inspection of the wastewater treatment plant for the Sunrise Mobile Home Park (MHP). The intent of the inspection was to evaluate operations and maintenance of the system and compliance with the park's National Pollutant Discharge Elimination System (NPDES) permit. Mr. Richard Scott was present for the facility. This facility is currently considered to be in significant noncompliance. The following are findings from the inspection:

1. The facilities consist of a trash trap, followed by a 10,000-gpd extended aeration treatment plant, dosing chamber, surface sand filter, and chlorination/dechlorination facilities. At the time of the inspection, the plant was operational. The aeration had a good brown color with some foam on top. There were some solids behind the influent baffle. The settling tank sludge blanket was high and near the surface. There appeared to be a lot of solids in the dosing chamber. The plants effluent was relatively clear.

2. The surface sand filters on the south side were plugged and passing solids through a by-pass pipe. The north filter was not in use but appeared to need sand. The by-pass pipes must be removed immediately. These are not part of the original design and are not permitted. Furthermore, your NPDES permit requires notification when any portion of the treatment plant is by-passed. This facility should have reported a by-pass of the filters whenever the wastewater discharged through these pipes. When replacement sand is needed the appropriate material must be installed and meet the following specifications. Sand shall be cleaned and washed with an effective size between 0.4 and 1.0 mm, with a uniformity coefficient not greater than 3.0. There must be at least 18 inches of filter sand over the gravel underdrains. A sieve analysis should be provided by your supplier.

3. An attachment, which outlines the violations from January 2011 through January 2013, has been included with this correspondence. There were numerous violations noted during this time period. The plant must be returned to continued and reliable compliance

Northeast District Office
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Twinsburg, OH 44087-1924

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immediately. Non-Compliance with your NPDES permit could result in future legal action. Possible improvements that would help with the operation of the plant would include flow equalization.

4. The current NPDES permit expired on June 30, 2012. To date, this office has no record of a renewal application being submitted to this office. This is a violation of your permit and could result in the loss of authorization to discharge to waters of the State of Ohio. A renewal application must be submitted immediately.

This facility is considered to be in significant noncompliance with its NPDES permit.

Please respond in writing by March 15, 2013, any actions that will be taken to return the plant to continued and reliable compliance. Failure to return the plant to compliance could result in additional enforcement actions.

You may contact this office at (330) 963-1193 to discuss any questions you may have.

Respectfully,

Joseph E Trocchio

Joseph E. Trocchio, P.E.
Environmental Engineer
Division of Surface Water

JET/cs

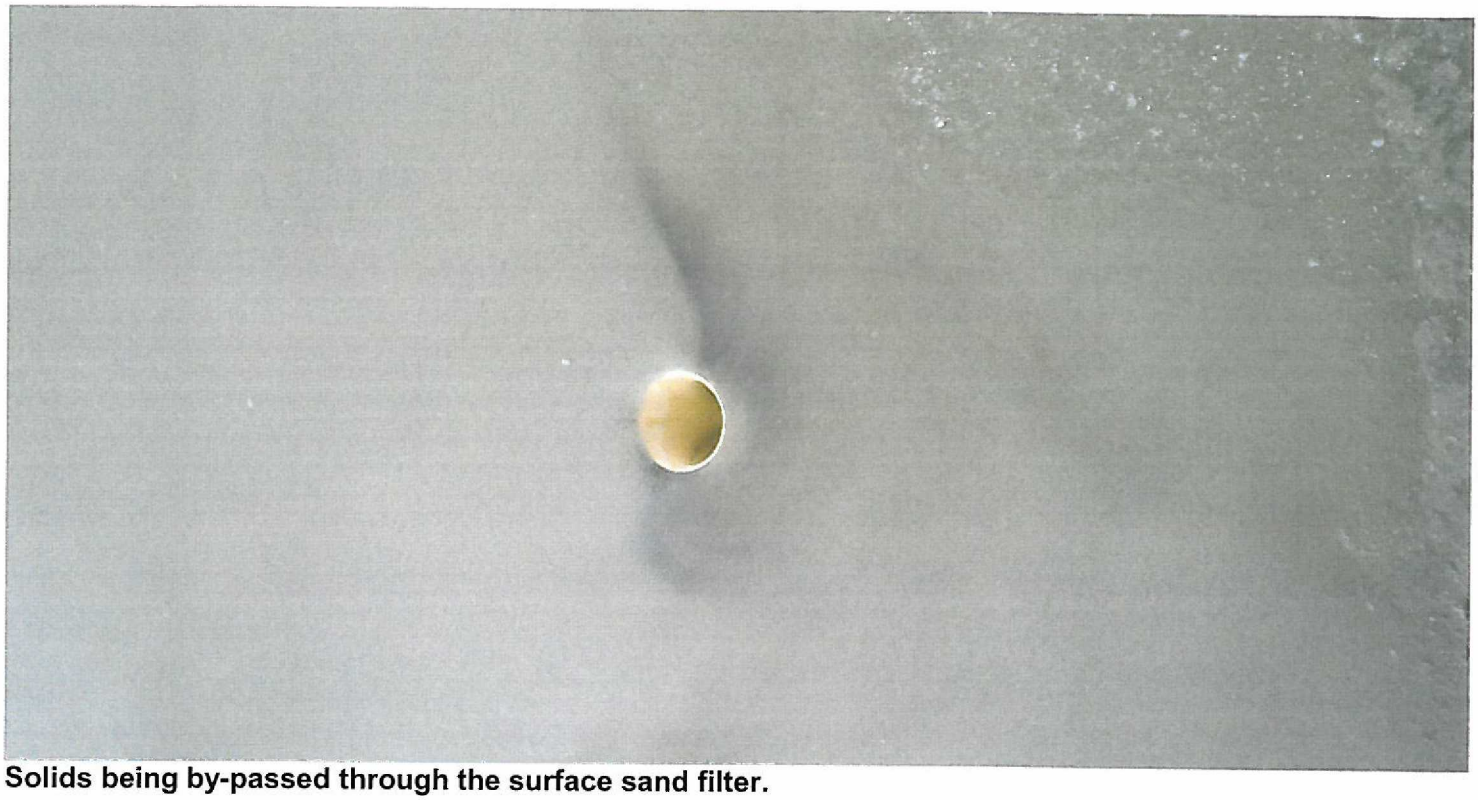
enclosure

cc: Lori J. Barnes, R.S., Columbiana County Health Dept.

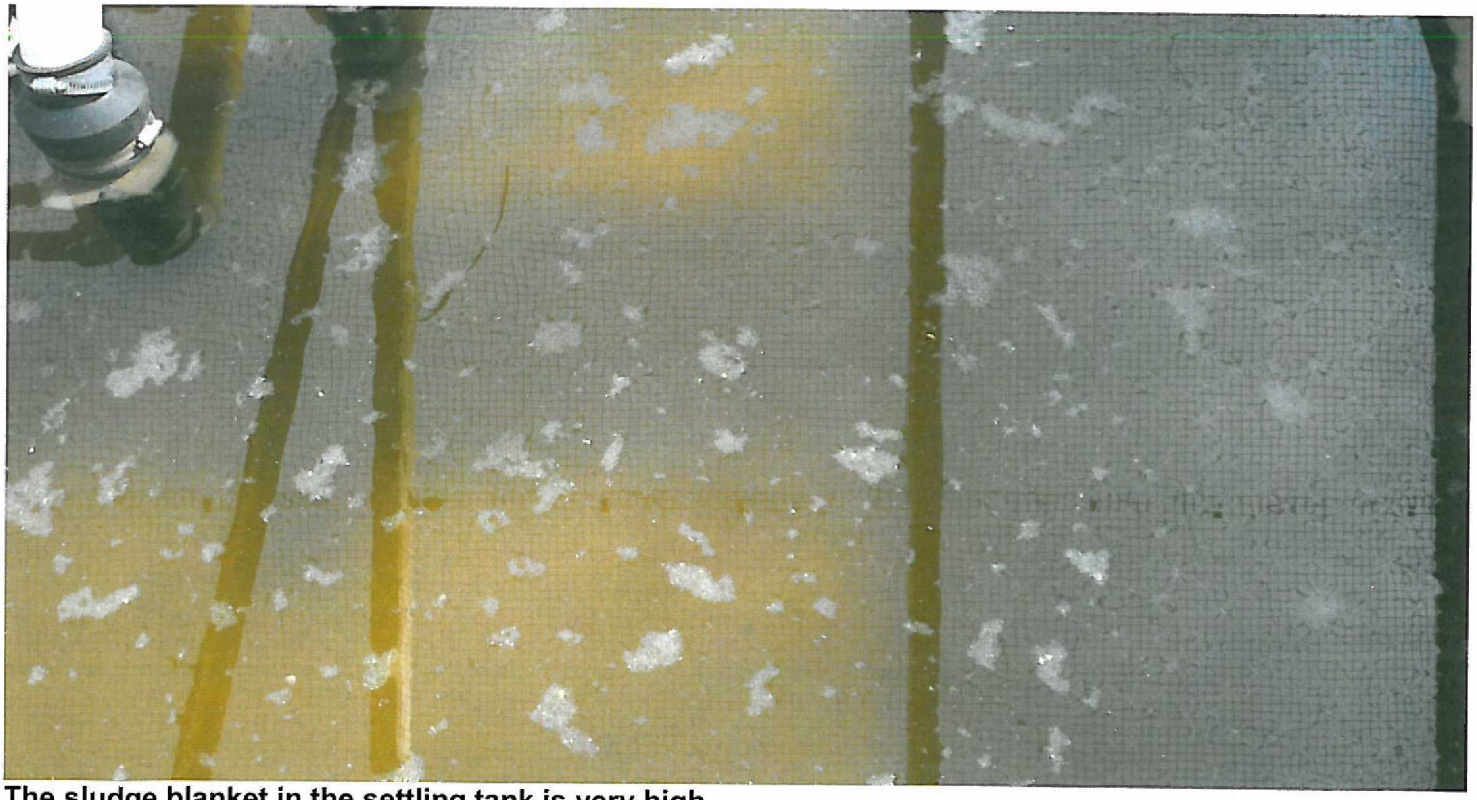
ec: Dean Stoll, P.E., Enforcement Coordinator, Ohio EPA, DSW, NEDO

File: Semipublic/Columbiana County/Yellow Creek Township/Sunrise MHP

SUNRISE MHP COMPLIANCE EVALUATION INSPECTION 2/21/2013



Solids being by-passed through the surface sand filter.



The sludge blanket in the settling tank is very high.

The northern filter needs some replacement sand.

Foam on the aeration usually indicates and old sludge age and some solids may need to be removed.

Sunrise MHP effluent violations: January 2011 - January 2013

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PV00094*BD	January 2011	Nitrogen, Ammonia (NH3)	30D Conc	3.0	20.	1/1/2011
3PV00094*BD	January 2011	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.33308	1/1/2011
3PV00094*BD	January 2011	CBOD 5 day	30D Conc	10	27.	1/1/2011
3PV00094*BD	January 2011	CBOD 5 day	30D Qty	0.37	.44966	1/1/2011
3PV00094*BD	January 2011	Nitrogen, Ammonia (NH3)	7D Conc	4.5	20.	1/15/2011
3PV00094*BD	January 2011	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.33308	1/15/2011
3PV00094*BD	January 2011	CBOD 5 day	7D Conc	15	27.	1/15/2011
3PV00094*BD	February 2011	Nitrogen, Ammonia (NH3)	30D Conc	3.0	28.4	2/1/2011
3PV00094*BD	February 2011	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.45147	2/1/2011
3PV00094*BD	February 2011	CBOD 5 day	30D Conc	10	13.	2/1/2011
3PV00094*BD	February 2011	Nitrogen, Ammonia (NH3)	7D Conc	4.5	28.4	2/15/2011
3PV00094*BD	February 2011	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.45147	2/15/2011
3PV00094*BD	March 2011	CBOD 5 day	30D Conc	10	15.	3/1/2011
3PV00094*BD	April 2011	Total Suspended Solids	30D Conc	12	14.	4/1/2011
3PV00094*BD	May 2011	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.26	5/1/2011
3PV00094*BD	May 2011	Fecal Coliform	30D Conc	1000	4200.	5/1/2011
3PV00094*BD	May 2011	Chlorine, Total Residu	1D Conc	0.019	.3	5/5/2011
3PV00094*BD	May 2011	Chlorine, Total Residu	1D Conc	0.019	.2	5/13/2011
3PV00094*BD	May 2011	Chlorine, Total Residu	1D Conc	0.019	.3	5/20/2011
3PV00094*BD	May 2011	Fecal Coliform	7D Conc	2000	4200.	5/22/2011
3PV00094*BD	May 2011	Chlorine, Total Residu	1D Conc	0.019	.2	5/24/2011
3PV00094*BD	May 2011	Chlorine, Total Residu	1D Conc	0.019	.3	5/31/2011
3PV00094*BD	June 2011	Chlorine, Total Residu	1D Conc	0.019	.3	6/6/2011
3PV00094*BD	June 2011	Chlorine, Total Residu	1D Conc	0.019	.4	6/16/2011
3PV00094*BD	June 2011	Chlorine, Total Residu	1D Conc	0.019	.3	6/24/2011
3PV00094*BD	July 2011	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.02	7/1/2011
3PV00094*BD	July 2011	Fecal Coliform	30D Conc	1000	12000.	7/1/2011
3PV00094*BD	July 2011	Chlorine, Total Residu	1D Conc	0.019	.3	7/5/2011
3PV00094*BD	July 2011	Chlorine, Total Residu	1D Conc	0.019	.2	7/12/2011
3PV00094*BD	July 2011	Fecal Coliform	7D Conc	2000	12000.	7/15/2011
3PV00094*BD	July 2011	Chlorine, Total Residu	1D Conc	0.019	.3	7/21/2011
3PV00094*BD	July 2011	Chlorine, Total Residu	1D Conc	0.019	.3	7/28/2011
3PV00094*BD	August 2011	Nitrogen, Ammonia (NH3)	30D Conc	1.0	5.48	8/1/2011
3PV00094*BD	August 2011	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.08919	8/1/2011
3PV00094*BD	August 2011	Fecal Coliform	30D Conc	1000	1100.	8/1/2011
3PV00094*BD	August 2011	CBOD 5 day	30D Conc	10	11.	8/1/2011
3PV00094*BD	August 2011	Chlorine, Total Residu	1D Conc	0.019	.3	8/5/2011
3PV00094*BD	August 2011	Chlorine, Total Residu	1D Conc	0.019	.2	8/12/2011
3PV00094*BD	August 2011	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.48	8/15/2011
3PV00094*BD	August 2011	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.08919	8/15/2011
3PV00094*BD	August 2011	Chlorine, Total Residu	1D Conc	0.019	.3	8/18/2011
3PV00094*BD	August 2011	Chlorine, Total Residu	1D Conc	0.019	.3	8/26/2011
3PV00094*BD	September 2011	Chlorine, Total Residu	1D Conc	0.019	.2	9/2/2011

Sunrise MHP effluent violations: January 2011 - January 2013

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PV00094*BD	September 2011	Chlorine, Total Residu	1D Conc	0.019	.2	9/9/2011
3PV00094*BD	September 2011	Chlorine, Total Residu	1D Conc	0.019	.3	9/16/2011
3PV00094*BD	September 2011	Chlorine, Total Residu	1D Conc	0.019	.2	9/21/2011
3PV00094*BD	September 2011	Chlorine, Total Residu	1D Conc	0.019	.3	9/29/2011
3PV00094*BD	October 2011	Chlorine, Total Residu	1D Conc	0.019	.2	10/6/2011
3PV00094*BD	October 2011	Chlorine, Total Residu	1D Conc	0.019	.1	10/12/2011
3PV00094*BD	October 2011	Chlorine, Total Residu	1D Conc	0.019	.2	10/19/2011
3PV00094*BD	October 2011	Chlorine, Total Residu	1D Conc	0.019	.1	10/28/2011
3PV00094*BD	November 2011	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.86	11/1/2011
3PV00094*BD	December 2011	Nitrogen, Ammonia (NH3)	30D Conc	3.0	11.5	12/1/2011
3PV00094*BD	December 2011	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.19152	12/1/2011
3PV00094*BD	December 2011	Nitrogen, Ammonia (NH3)	7D Conc	4.5	11.5	12/15/2011
3PV00094*BD	December 2011	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.19152	12/15/2011
3PV00094*BD	January 2012	Nitrogen, Ammonia (NH3)	30D Conc	3.0	4.08	1/1/2012
3PV00094*BD	March 2012	Nitrogen, Ammonia (NH3)	30D Conc	3.0	7.71	3/1/2012
3PV00094*BD	March 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.13132	3/1/2012
3PV00094*BD	March 2012	Nitrogen, Ammonia (NH3)	7D Conc	4.5	7.71	3/8/2012
3PV00094*BD	April 2012	Nitrogen, Ammonia (NH3)	30D Conc	3.0	23.7	4/1/2012
3PV00094*BD	April 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.37676	4/1/2012
3PV00094*BD	April 2012	Nitrogen, Ammonia (NH3)	7D Conc	4.5	23.7	4/8/2012
3PV00094*BD	April 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.37676	4/8/2012
3PV00094*BD	May 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	11.8	5/1/2012
3PV00094*BD	May 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.18312	5/1/2012
3PV00094*BD	May 2012	Chlorine, Total Residu	1D Conc	0.019	.3	5/7/2012
3PV00094*BD	May 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	11.8	5/8/2012
3PV00094*BD	May 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.18312	5/8/2012
3PV00094*BD	May 2012	Chlorine, Total Residu	1D Conc	0.019	.2	5/16/2012
3PV00094*BD	May 2012	Chlorine, Total Residu	1D Conc	0.019	.2	5/22/2012
3PV00094*BD	May 2012	Chlorine, Total Residu	1D Conc	0.019	.3	5/29/2012
3PV00094*BD	June 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.36	6/1/2012
3PV00094*BD	June 2012	Chlorine, Total Residu	1D Conc	0.019	.2	6/6/2012
3PV00094*BD	June 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.36	6/8/2012
3PV00094*BD	June 2012	Chlorine, Total Residu	1D Conc	0.019	.2	6/8/2012
3PV00094*BD	June 2012	Chlorine, Total Residu	1D Conc	0.019	.1	6/15/2012
3PV00094*BD	June 2012	Chlorine, Total Residu	1D Conc	0.019	.2	6/22/2012
3PV00094*BD	June 2012	Chlorine, Total Residu	1D Conc	0.019	.1	6/28/2012
3PV00094*BD	July 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	30.8	7/1/2012
3PV00094*BD	July 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.48963	7/1/2012
3PV00094*BD	July 2012	Chlorine, Total Residu	1D Conc	0.019	.1	7/5/2012
3PV00094*BD	July 2012	Chlorine, Total Residu	1D Conc	0.019	.1	7/13/2012
3PV00094*BD	July 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	30.8	7/15/2012
3PV00094*BD	July 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.48963	7/15/2012
3PV00094*BD	July 2012	Chlorine, Total Residu	1D Conc	0.019	.1	7/20/2012

Sunrise MHP effluent violations: January 2011 - January 2013

Permit No	Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
3PV00094*BD	July 2012	Dissolved Oxygen	1D Conc	5.0	4.8	7/20/2012
3PV00094*BD	July 2012	Chlorine, Total Residu	1D Conc	0.019	.2	7/26/2012
3PV00094*BD	August 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	35.6	8/1/2012
3PV00094*BD	August 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.56593	8/1/2012
3PV00094*BD	August 2012	Fecal Coliform	30D Conc	1000	2100.	8/1/2012
3PV00094*BD	August 2012	Chlorine, Total Residu	1D Conc	0.019	.2	8/6/2012
3PV00094*BD	August 2012	Chlorine, Total Residu	1D Conc	0.019	.2	8/13/2012
3PV00094*BD	August 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	35.6	8/22/2012
3PV00094*BD	August 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.56593	8/22/2012
3PV00094*BD	August 2012	Fecal Coliform	7D Conc	2000	2100.	8/22/2012
3PV00094*BD	August 2012	Chlorine, Total Residu	1D Conc	0.019	.2	8/23/2012
3PV00094*BD	August 2012	Chlorine, Total Residu	1D Conc	0.019	.1	8/31/2012
3PV00094*BD	September 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	32.3	9/1/2012
3PV00094*BD	September 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.53792	9/1/2012
3PV00094*BD	September 2012	Fecal Coliform	30D Conc	1000	7200.	9/1/2012
3PV00094*BD	September 2012	Chlorine, Total Residu	1D Conc	0.019	.2	9/7/2012
3PV00094*BD	September 2012	Chlorine, Total Residu	1D Conc	0.019	.1	9/13/2012
3PV00094*BD	September 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	32.3	9/15/2012
3PV00094*BD	September 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.53792	9/15/2012
3PV00094*BD	September 2012	Fecal Coliform	7D Conc	2000	7200.	9/15/2012
3PV00094*BD	September 2012	Chlorine, Total Residu	1D Conc	0.019	.3	9/21/2012
3PV00094*BD	September 2012	Chlorine, Total Residu	1D Conc	0.019	.2	9/28/2012
3PV00094*BD	October 2012	Nitrogen, Ammonia (NH3)	30D Conc	1.0	16.5	10/1/2012
3PV00094*BD	October 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.04	.2623	10/1/2012
3PV00094*BD	October 2012	Nitrogen, Ammonia (NH3)	7D Conc	1.5	16.5	10/8/2012
3PV00094*BD	October 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.06	.2623	10/8/2012
3PV00094*BD	November 2012	Total Suspended Solids	30D Conc	12	20.	11/1/2012
3PV00094*BD	November 2012	Nitrogen, Ammonia (NH3)	30D Conc	3.0	41.3	11/1/2012
3PV00094*BD	November 2012	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.62528	11/1/2012
3PV00094*BD	November 2012	CBOD 5 day	30D Conc	10	35.3	11/1/2012
3PV00094*BD	November 2012	CBOD 5 day	30D Qty	0.37	.53444	11/1/2012
3PV00094*BD	November 2012	Total Suspended Solids	7D Conc	18	20.	11/15/2012
3PV00094*BD	November 2012	Nitrogen, Ammonia (NH3)	7D Conc	4.5	41.3	11/15/2012
3PV00094*BD	November 2012	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.62528	11/15/2012
3PV00094*BD	November 2012	CBOD 5 day	7D Conc	15	35.3	11/15/2012
3PV00094*BD	November 2012	pH	1D Conc	6.5	6.4	11/29/2012
3PV00094*BD	January 2013	Nitrogen, Ammonia (NH3)	30D Conc	3.0	16.4	1/1/2013
3PV00094*BD	January 2013	Nitrogen, Ammonia (NH3)	30D Qty	0.11	.26692	1/1/2013