



State of Ohio Environmental Protection Agency

Northeast District Office

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Twinsburg, Ohio 44087

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

August 11, 2008

RE: CITY OF ALLIANCE WWTP
NPDES #3PD00000

Mayor & Council
City of Alliance
504 East Main Street
Alliance, OH 44601

Dear Mayor & Council:

A compliance evaluation inspection (CEI) of the Alliance Waste Water Treatment Plant was conducted by this writer on August 6, 2008. Present during the inspection were Joe Amabeli, Superintendent, and Doug Hastings, Assistant Superintendent, Alliance Waste Water Treatment Plant.

At the time of the inspection, the treatment plant was producing what appeared to be a satisfactory quality effluent. The mixed liquor in the aeration tanks had a good color and the plant was producing a clear effluent. There was, however, an excessive amount of algae in the secondary clarifier weirs.

One primary clarifier was off line for upgrades including a new skimmer and sludge scrapers. The clarifier should be completed by the end of September 2008. A second primary clarifier was off line due to the low wastewater flows being received at the WWTP.

The flow equalization basin was empty at the time of the inspection. A review of our records covering the period March 2006 through July 2008, revealed treatment plant bypasses occurred on the following dates:

Date	Bypass From EQ Basin (MG = million gallons)	Raw Bypass Volume (MG = million gallons)
6/27/2008	N/A	0.125 MG
3/4/2008	5.044 MG	0.011 MG
2/6/2008	2.323 MG	N/A

8/21/2007	7.92 MG	0.722 MG
8/20/2007	1.03 MG	1.41 MG
3/15/2007	7.178 MG	N/A
3/2/2007	1.372 MG	0.009 MG
1/15/2007	0.4916 MG	N/A
10/17/2006	0.855 MG	N/A
9/19/2006	2.50 MG	N/A
7/4/2006	1.0 MG	0.043572 MG
6/22/2006	N/A	0.488 MG

One secondary clarifier was off line for upgrades including new sludge scrapers. The tank has been sand blasted and primed. Mr. Amabeli stated that the tank will be completed in a few weeks.

Approximately 400,000 gallons of leachate was stored in one of the aeration tanks. Of the eight aeration tanks on site, four are used for flow equalization. Three of the tanks are being used for treatment.

A second pump will be added to the raw influent flow equalization pump station #2. Two pumps were shown on the detail plans submitted with the permit to install application (#02-21229) in August 2005.

During the inspection Mr. Amabeli indicated that the flow meters have not been calibrated in over a year. The flow meters must be calibrated at least annually to ensure accurate flow measurement.

The replacement of the primary influent screw pumps will begin in September 2008. The project is expected to take 270 days to complete.

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A review of your discharge monitoring reports (DMRs) covering the period March 2006 through June 2008, revealed the following effluent violations:

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2006	001	Nitrogen, Ammonia (NH3	30D Conc	2.0	4.19417	5/1/2006
May 2006	001	Nitrogen, Ammonia (NH3	30D Qty	56.8	67.2887	5/1/2006
May 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	3.14333	5/8/2006
May 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	3.58667	5/15/2006
May 2006	001	Nitrogen, Ammonia (NH3	7D Qty	85.2	105.243	5/15/2006
May 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	8.48333	5/22/2006
May 2006	001	Nitrogen, Ammonia (NH3	7D Qty	85.2	114.544	5/22/2006
June 2006	001	Total Suspended Solids	30D Conc	20	38.3076	6/1/2006
June 2006	001	Total Suspended Solids	30D Qty	568	609.559	6/1/2006
June 2006	001	Total Suspended Solids	7D Conc	30	94.75	6/15/2006
June 2006	001	Total Suspended Solids	7D Qty	852	1411.14	6/15/2006
July 2006	001	Total Suspended Solids	30D Conc	20	24.	7/1/2006
July 2006	001	Total Suspended Solids	30D Qty	568	634.986	7/1/2006
July 2006	001	Fecal Coliform	30D Conc	1000	1351.65	7/1/2006
July 2006	001	Total Suspended Solids	7D Conc	30	64.1428	7/8/2006
July 2006	001	Total Suspended Solids	7D Qty	852	1732.88	7/8/2006
August 2006	001	Fecal Coliform	7D Conc	2000	2678.61	8/1/2006
September 2006	001	CBOD 5 day	30D Conc	10	17.1158	9/1/2006
September 2006	001	CBOD 5 day	30D Qty	284	383.401	9/1/2006
September 2006	001	CBOD 5 day	7D Conc	15	57.3066	9/15/2006
September 2006	001	CBOD 5 day	7D Qty	426	1289.21	9/15/2006
September 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	4.26	9/22/2006
September 2006	001	Nitrogen, Ammonia (NH3	7D Qty	85.2	111.665	9/22/2006
October 2006	001	Total Suspended Solids	30D Conc	20	22.1538	10/1/2006
October 2006	001	Nitrogen, Ammonia (NH3	30D Conc	2.0	3.33267	10/1/2006
October 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	7.80067	10/1/2006
October 2006	001	Nitrogen, Ammonia (NH3	7D Qty	85.2	129.775	10/1/2006
October 2006	001	Nitrogen, Ammonia (NH3	7D Conc	3.0	3.82333	10/8/2006
October 2006	001	Total Suspended Solids	7D Qty	852	1008.57	10/15/2006
October 2006	001	Total Suspended Solids	7D Conc	30	44.75	10/22/2006
February 2007	001	Total Suspended Solids	7D Conc	30	50.6	2/15/2007
February 2007	001	Total Suspended Solids	7D Qty	852	1301.58	2/15/2007
April 2007	001	Total Suspended Solids	30D Conc	20	50.3333	4/1/2007
April 2007	001	Total Suspended Solids	7D Conc	30	40.	4/1/2007
April 2007	001	CBOD 5 day	30D Conc	10	104.175	4/1/2007
April 2007	001	CBOD 5 day	7D Conc	15	107.9	4/1/2007
April 2007	001	Total Suspended Solids	7D Conc	30	37.3333	4/8/2007
April 2007	001	CBOD 5 day	7D Conc	15	71.9	4/8/2007

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April 2007	001	Total Suspended Solids	7D Conc	30	57.3333	4/15/2007
April 2007	001	CBOD 5 day	7D Conc	15	100.1	4/15/2007
April 2007	001	Total Suspended Solids	7D Conc	30	66.6666	4/22/2007
April 2007	001	CBOD 5 day	7D Conc	15	136.8	4/22/2007
July 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	7/19/2007
August 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	8/16/2007
August 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	8/21/2007
August 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	8/29/2007
September 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	9/5/2007
September 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	9/6/2007
September 2007	001	Chlorine, Total Residu	1D Conc	0.019	.05	9/7/2007

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1197.

Sincerely,



Dean W. Stoll, P.E.
Environmental Engineer
Division of Surface Water

DWS:bo

pc: Joseph Amabeli, Superintendent, Alliance WWTP

File: Public/Permit Compliance