



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

September 23, 2009

RE: GEauga COUNTY  
BURTON TWP.  
CAMP BURTON  
14282 BUTTERNUT ROAD  
CEI/NOTICE OF VIOLATION  
OHIO EPA NO. 3PR00233

**CERTIFIED MAIL**

Mideast Baptist Conference  
c/o Camp Burton  
14282 Butternut Road  
Burton, OH 44021

Dear Board of Public Affairs:

On July 28, 2009, a Compliance Evaluation Inspection (CEI) was conducted at the wastewater treatment plant serving Camp Burton. According to our files, the Permit to Install for the system was issued by the Director of Ohio EPA on July 22, 1999. The system consists of a 2000 gallon grease trap on the dining hall, 2000 gallon trash trap, 6613 gallon flow equalization tank, 15000 gallon package aeration system with clarifier, dosing chamber to a 1262 square foot surface sand filter, chlorination/dechlorination and a 3000 gallon sludge holding tank. Final effluent from the treatment plant enters a grass swale on the property prior to entering the West Branch of the Cuyahoga River. The drainage swale is to be maintained as an open vegetated swale from the chlorine contact tank to the river, with the exception of roadway crossing culverts.

The plant's basis of design was 180 campers/faculty @ 50 gpd per person, for a total of 9000 gallons per day of sewage. The wastewater generated is limited to sanitary wastes from the shower house, dining hall without garbage grinders, and restrooms. Backwash from the swimming pool filter is directed into the surface sand filter distribution box. This removes the suspended solids, and the waste stream is then dechlorinated prior to discharge.

During the inspection, the plant was running. The mixed liquor in the extended aeration tank was the appropriate chocolate brown color, and the return lines appeared to be working. The clarifier contained lots of solids, and the surface sand filters needed cleaned and weeded.

Review of the Discharge Monitoring Reports (DMRs) from September 2007 through September 2009, revealed the following numeric effluent violations:

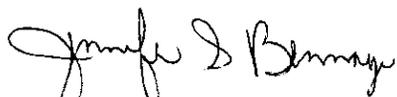
Parameter	Limit Type	Limit	Reported Value	Violation Date
Nitrogen, Ammonia	30D conc	1.0	1.44	9/1/2007
pH	1D Conc	6.5	6.08	9/6/2007
Dissolved Oxygen	1D Conc	6.0	4.96	9/6/2007
pH	1D Conc	6.5	6.49	10/2/2007
pH	1D Conc	6.5	5.13	11/6/2007
Dissolved Oxygen	1D Conc	6.0	2.36	11/6/2007
pH	1D Conc	6.5	.5	1/7/2008
pH	1D Conc	6.5	.6	1/14/2008
pH	1D Conc	6.5	.3	1/21/2008
pH	1D Conc	6.5	.3	1/28/2008
Nitrogen, Ammonia	30D Conc	1.0	1.34	6/1/2008
Nitrogen, Ammonia	30D Qty	0.03	.21558	7/1/2008
Nitrogen, Ammonia	7D Qty	0.05	.21558	7/22/2008
Chlorine, Total Residu	1D Conc	0.019	.05	7/22/2008
pH	1D Conc	6.5	5.65	7/22/2008
Total Suspended Solids	30D Conc	12	22.	7/1/2008
Total Suspended Solids	7D Conc	18	22.	7/22/2008
Total Suspended Solids	30D Qty	0.41	.44325	7/1/2008
Nitrogen, Ammonia	30D Conc	1.0	10.7	7/1/2008
Nitrogen, Ammonia	7D Conc	1.5	10.7	7/22/2008
Nitrogen, Ammonia	30D Conc	1.0	1.54	8/1/2008
Nitrogen, Ammonia	7D Conc	1.5	1.54	8/15/2008
CBOD 5 day	30D Conc	10	17.4	8/1/2008
CBOD 5 day	7D Conc	15	17.4	8/15/2008
Dissolved Oxygen	1D Conc	6.0	.28	8/19/2008
Nitrogen, Ammonia	30D Conc	1.0	1.54	9/1/2008
Nitrogen, Ammonia	7D Conc	1.5	1.54	9/15/2008
CBOD 5 day	30D Conc	10	17.4	9/1/2008
CBOD 5 day	7D Conc	15	17.4	9/15/2008
Dissolved Oxygen	1D Conc	6.0	.28	9/19/2008
Chlorine, Total Residu	1D Conc	0.019	.21	10/11/2008
pH	1D Conc	6.5	6.02	10/11/2008
Chlorine, Total Residu	1D Conc	0.019	.64	5/26/2009
Total Suspended Solids	30D Conc	12	17.	6/1/2009
Total Suspended Solids	30D Conc	12	19.	7/1/2009
Total Suspended Solids	7D Conc	18	19.	7/22/2009
Nitrogen, Ammonia	30D Conc	1.0	14.6	7/1/2009
Nitrogen, Ammonia	7D Conc	1.5	14.6	7/22/2009
Nitrogen, Ammonia	30D Qty	0.03	.11334	7/1/2009
Nitrogen, Ammonia	7D Qty	0.05	.11334	7/22/2009
CBOD 5 day	30D Conc	10	16.	7/1/2009
CBOD 5 day	7D Conc	15	16.	7/22/2009
Chlorine, Total Residu	1D Conc	0.019	.08	7/23/2009
pH	1D Conc	6.5	6.1	7/23/2009
Dissolved Oxygen	1D Conc	6.0	1.86	8/27/2009

Please be advised such instances of noncompliance are subject to enforcement pursuant to Ohio Revised Code 6111. By November 1, 2009, it is directed your certified wastewater treatment operator provide written explanation for the extreme amount of violations and the plan of action to obtain compliance with your NPDES permit

According to the flow data submitted, your treatment plant should be more than adequately sized to handle the wastewater generated by the camp. Proper operation and maintenance of your treatment plant should correct the effluent violations. Please notice that Part II of your NPDES permit requires that your plant be under the supervision of a Class I State certified operator. According to rule 3745-7-02 of the Ohio Administrative Code, your Class I operator is to be physically present at your treatment works at least 3 days per week for a minimum of 1.5 hours per week.

If you have any questions concerning this letter, please contact this office at (330) 9631151.

Sincerely,



Jennifer S. Bennage  
Environmental Engineer  
Division of Surface Water

JSB:bo

pc: Geauga County Health Department  
Jack Hanus, Maintenance Director, Camp Burton