



**Environmental
Protection Agency**

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

April 28, 2011

RE: STARK COUNTY
NIMISHILLEN TOWNSHIP
CANAAN ACRES CHRISTIAN CAMP
NPDES # 3PR00279

Mr. Fred Magnus, Director
Canaan Acres Christian Camp
8020 Nazarene Street
Louisville, OH 44641-9720

Dear Mr. Magnus:

An inspection of the sewage treatment plant serving Canaan Acres Christian Camp was conducted by this writer on April 27, 2011. Present during the inspection was this writer and yourself.

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 tank had a light color, as the plant is organically under loaded. The blowers and pumps were working properly. The sand in the sand filter beds was in need of maintenance. The beds should be raked to remove solids and debris. Once raked the sand should be evaluated and replaced if necessary. The contents of the chlorine contact tank were clear.

A review of your discharge monitoring reports (DMRs) covering the period September 2008 through March 2011 revealed the following effluent violations:

Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2008	001	80082	CBOD 5 day	30D Conc	10	14.	10/1/2008
October 2008	001	50060	Chlorine, Total Residu	1D Conc	0.019	.06	10/6/2008
October 2008	001	50060	Chlorine, Total Residu	1D Conc	0.019	.07	10/27/2008
December 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.12188	12/1/2008
December 2008	001	80082	CBOD 5 day	30D Qty	0.53	.66238	12/1/2008
February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.08478	2/1/2009
March 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.02067	3/1/2009
April 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.05299	4/1/2009
May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.58	5/4/2009
May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.09	5/11/2009
May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.07	5/18/2009
May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.07	5/25/2009
June 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.6	6/22/2009

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July 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	7/6/2009
July 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/27/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	5.4	8/10/2009
August 2009	001	00300	Dissolved Oxygen	1D Conc	6.0	3.2	8/17/2009
August 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	8/24/2009
October 2009	001	31616	Fecal Coliform	30D Conc	1000	4400.	10/1/2009
October 2009	001	31616	Fecal Coliform	7D Conc	2000	4400.	10/1/2009
January 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.06086	1/1/2010
January 2010	001	80082	CBOD 5 day	30D Conc	10	13.	1/1/2010
February 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.02544	2/1/2010
March 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.08039	3/1/2010
May 2010	001	31616	Fecal Coliform	30D Conc	1000	1000.	5/1/2010
May 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.7	5/31/2010
June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	6/7/2010
June 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.9	6/7/2010
June 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	6/14/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.64	7/1/2010
July 2010	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	1.64	7/6/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/6/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/12/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.5	7/19/2010
July 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	3.95	7/26/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.6	8/2/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	4.5	8/16/2010
August 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	2.9	8/23/2010
September 2010	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	9/13/2010
October 2010	001	31616	Fecal Coliform	30D Conc	1000	1300.	10/1/2010
October 2010	001	50060	Chlorine, Total Residu	1D Conc	0.019	.1	10/11/2010
December 2010	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.01805	12/1/2010
January 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.03066	1/1/2011
February 2011	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.016	.05405	2/1/2011

As discussed with you during the inspection, new water quality standards were adopted by Ohio EPA. These rules require changes to be made to the bacteria monitoring and limits in all new and renewed NPDES permits. The new standards will require the implementation of E.coli limits and monitoring requirements. The E. coli standards will be stated in the renewed NPDES permit.

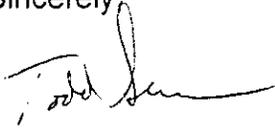
Additionally, monitoring requirements will be made to include the following parameters: phosphorus, total kjeldahl nitrogen and total nitrite plus nitrate. Information regarding the new water quality standards can be found on the Ohio EPA, Division of Surface Water website: www.epa.ohio.gov/dsw.

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The renewal NPDES permit for this facility will be public noticed in the near future. You will have 30 days from the date of public notice to submit written comments to Ohio EPA regarding the draft permit.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1255.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd Surrena". The signature is fluid and cursive, with a long horizontal stroke at the end.

Todd Surrena
Engineering Geologist
Division of Surface Water

TMS:bo

pc: Todd Ascani, Stark County Health Department

File: Semi-Public/Canaan Acres Christian Camp