



Environmental
Protection Agency

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

June 21, 2011

RE: NEO CHURCH OF GOD CAMPGROUNDS
MAHONING COUNTY
BERLIN TOWNSHIP
NPDES PERMIT NO 3PR00437

Mr. John Klinessmith
NEO Church of God Campgrounds
16278 Shilling Rd.
Berlin Center, OH 44401

Mr. Klinessmith:

On June 1, 2011, this writer conducted an inspection of the wastewater treatment system for the NEO Church of God Campground located at 16278 Shilling Rd., Berlin Twp., Mahoning County. The intent of the inspection was to evaluate the condition of the system. In addition, the compliance record was also reviewed for any violations of the NPDES Permit.

Observations:

Following are observations of the system made during the inspection.

1. The content of the settling tank was free of significant scum or foam at both the influent and effluent compartments.
2. The sand filters were free of any sludge residues. Vegetation on the filters must be removed to maximize the effectiveness of the filtering system. Of significant concern was the condition of the filter walls. The walls of one section of the east filter bed were completely collapsed into the filter. The walls of the filter beds must be repaired as soon as possible, but no later than September 30, 2011.
3. The receiving stream was clear and free of any solids or nutrient enrichment from the wastewater treatment plant.

Compliance Review:

The compliance record for the NEO Church of God Campground facility was reviewed as part of this inspection. The period of review was January 2010 through April 2011. Following are violations of the NPDES Permit identified during the review period.

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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2010	pH	1D Conc	6.5	6.35	2/24/2010
April 2010	CBOD 5 day	30D Conc	10.0	11.	4/1/2010
May 2010	Chlorine, Total	1D Conc	0.019	.38	5/3/2010
May 2010	Chlorine, Total	1D Conc	0.019	.41	5/7/2010
May 2010	Chlorine, Total	1D Conc	0.019	.28	5/11/2010
May 2010	Chlorine, Total	1D Conc	0.019	.21	5/14/2010
May 2010	Chlorine, Total	1D Conc	0.019	.36	5/17/2010
May 2010	Chlorine, Total	1D Conc	0.019	.43	5/20/2010
May 2010	Chlorine, Total	1D Conc	0.019	.49	5/26/2010
May 2010	Chlorine, Total	1D Conc	0.019	.35	5/28/2010
May 2010	Chlorine, Total	1D Conc	0.019	.32	5/31/2010
June 2010	Chlorine, Total	1D Conc	0.019	.76	6/2/2010
June 2010	Chlorine, Total	1D Conc	0.019	.79	6/5/2010
June 2010	Chlorine, Total	1D Conc	0.019	.82	6/9/2010
June 2010	Chlorine, Total	1D Conc	0.019	.74	6/12/2010
June 2010	Chlorine, Total	1D Conc	0.019	.71	6/16/2010
June 2010	Chlorine, Total	1D Conc	0.019	.75	6/19/2010
June 2010	Chlorine, Total	1D Conc	0.019	.78	6/23/2010
June 2010	Chlorine, Total	1D Conc	0.019	.69	6/26/2010
June 2010	Chlorine, Total	1D Conc	0.019	.85	6/30/2010
July 2010	Nitrogen, Ammonia	30D Conc	1.0	2.6	7/1/2010
July 2010	Chlorine, Total	1D Conc	0.019	.48	7/1/2010
July 2010	Chlorine, Total	1D Conc	0.019	.35	7/5/2010
July 2010	Dissolved Oxygen	1D Conc	6.0	5.43	7/5/2010
July 2010	Chlorine, Total	1D Conc	0.019	.43	7/9/2010
July 2010	Chlorine, Total	1D Conc	0.019	.46	7/12/2010
July 2010	Dissolved Oxygen	1D Conc	6.0	5.28	7/12/2010
July 2010	Chlorine, Total	1D Conc	0.019	.38	7/16/2010
July 2010	Chlorine, Total	1D Conc	0.019	.51	7/19/2010
July 2010	Dissolved Oxygen	1D Conc	6.0	5.32	7/19/2010
July 2010	Nitrogen, Ammonia	1D Conc	1.5	2.6	7/23/2010
July 2010	Chlorine, Total	1D Conc	0.019	.43	7/23/2010
July 2010	Dissolved Oxygen	1D Conc	6.0	5.19	7/23/2010
July 2010	Chlorine, Total	1D Conc	0.019	.47	7/27/2010
July 2010	Chlorine, Total	1D Conc	0.019	.52	7/30/2010
August 2010	Nitrogen, Ammonia	30D Conc	1.0	2.7	8/1/2010
August 2010	Chlorine, Total	1D Conc	0.019	.31	8/3/2010
August 2010	Dissolved Oxygen	1D Conc	6.0	5.47	8/3/2010
August 2010	Chlorine, Total	1D Conc	0.019	.43	8/6/2010
August 2010	Chlorine, Total	1D Conc	0.019	.39	8/11/2010
August 2010	Dissolved Oxygen	1D Conc	6.0	5.64	8/11/2010
August 2010	Chlorine, Total	1D Conc	0.019	.42	8/13/2010
August 2010	Chlorine, Total	1D Conc	0.019	.51	8/17/2010

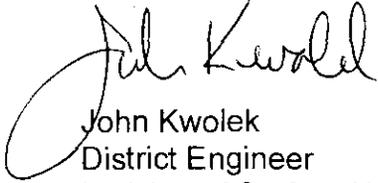
Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2010	Dissolved Oxygen	1D Conc	6.0	5.72	8/17/2010
August 2010	Chlorine, Total	1D Conc	0.019	.58	8/19/2010
August 2010	Nitrogen, Ammonia	1D Conc	1.5	2.7	8/23/2010
August 2010	Chlorine, Total	1D Conc	0.019	.59	8/23/2010
August 2010	Dissolved Oxygen	1D Conc	6.0	5.17	8/23/2010
August 2010	Chlorine, Total	1D Conc	0.019	.52	8/26/2010
August 2010	Chlorine, Total	1D Conc	0.019	.47	8/31/2010
August 2010	Dissolved Oxygen	1D Conc	6.0	5.32	8/31/2010
September 2010	Chlorine, Total	1D Conc	0.019	.47	9/2/2010
September 2010	Dissolved Oxygen	1D Conc	6.0	4.91	9/2/2010
September 2010	Chlorine, Total	1D Conc	0.019	.42	9/5/2010
September 2010	Chlorine, Total	1D Conc	0.019	.41	9/9/2010
September 2010	Dissolved Oxygen	1D Conc	6.0	5.18	9/9/2010
September 2010	Chlorine, Total	1D Conc	0.019	.52	9/11/2010
September 2010	Chlorine, Total	1D Conc	0.019	.48	9/17/2010
September 2010	Dissolved Oxygen	1D Conc	6.0	5.43	9/17/2010
September 2010	Chlorine, Total	1D Conc	0.019	.46	9/19/2010
September 2010	Chlorine, Total	1D Conc	0.019	.41	9/25/2010
September 2010	Dissolved Oxygen	1D Conc	6.0	5.61	9/25/2010
September 2010	Chlorine, Total	1D Conc	0.019	.45	9/27/2010
September 2010	Chlorine, Total	1D Conc	0.019	.48	9/30/2010
October 2010	Chlorine, Total	1D Conc	0.019	.43	10/1/2010
October 2010	Chlorine, Total	1D Conc	0.019	.41	10/5/2010
October 2010	Chlorine, Total	1D Conc	0.019	.46	10/7/2010
October 2010	Chlorine, Total	1D Conc	0.019	.38	10/12/2010
October 2010	Chlorine, Total	1D Conc	0.019	.34	10/14/2010
October 2010	Chlorine, Total	1D Conc	0.019	.29	10/19/2010
October 2010	Chlorine, Total	1D Conc	0.019	.41	10/21/2010
October 2010	Chlorine, Total	1D Conc	0.019	.47	10/26/2010
October 2010	Chlorine, Total	1D Conc	0.019	.37	10/28/2010
October 2010	Chlorine, Total	1D Conc	0.019	.36	10/30/2010

You will note that the majority of the violations were either total chlorine or dissolved oxygen. In the past, we discussed the idea of delaying the installation of a dechlorination system since plans for the campground included connecting to the Mahoning County sanitary sewers. However, considering the plan to connect to sewers has been delayed, and considering that the majority of violations were for total chlorine, it is necessary to install the dechlorination facility at the outlet side of the disinfection tank prior to August 31, 2011. Installing the dechlorination system and aerating the final effluent would address 93% of the violations listed. It is understood that the campground still plans to connect to the sanitary sewer in the future.

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You may contact this writer at (330) 963-1251 or a john.kwolek@epa.state.oh.us to discuss any questions you may have regarding this inspection report.

Respectfully,

A handwritten signature in black ink, appearing to read "John Kwolek". The signature is written in a cursive style with a large, looping initial "J".

John Kwolek
District Engineer
Division of Surface Water

JK/mt