



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

October 30, 2012

RE: TRUMBULL COUNTY
BRACEVILLE TWP.
RIDGE RANCH CAMPGROUNDS
5219 STATE ROUTE 303 N.W.
NPDES NO. 3PR00310

Ridge Ranch Campgrounds, Inc.
Attn: Mr. Jack Morris
5219 State Route 303 NW
Newton Falls, OH 44444

CERTIFIED MAIL

Dear Mr. Morris:

A Compliance Evaluation Inspection (CEI) was recently conducted on the Ridge Ranch Campgrounds wastewater treatment plant (WWTP), located at 5219 SR 303 NW, in Braceville Township (Newton Falls), Trumbull County.

The purpose of the inspection was to evaluate the facility's operation and maintenance condition, prior to renewal of its National Pollutant Discharge Elimination System (NPDES) permit to discharge. The previous CEI was conducted in October 2007.

At the time of this inspection, the following observations were made:

1. Contents of the trash trap were typical, and not in need of pumping.
2. Contents of the 6000-gallon flow equalization (EQ) tank were turbid gray, and were being well aerated. Flow EQ tank pumps were both in the 'AUTO' mode, and were operational when manually tested. The high water level alarm was also functional when manually tested.
3. Contents of the 3000-gallon extended aeration tank were medium to dark brown in color, and were well aerated. The contents of the aeration tank were covered with medium brown foam. The return sludge line was returning brown activated sludge from the settling tank to the aeration tank.

There was one blower/motor for the aeration tank. The blower/motor air filter had been recently replaced; a new drive belt had been installed; and the air pressure relief valve worked properly.

4. Contents of the settling tank were dark brown, and there was a buildup of scum/solids behind the inlet baffle. The effluent trough contained a slight deposition of solids in the weir.

5. Both pumps in the sand filter dosing station were set to the 'AUTO' mode, and operated properly when manually tested. When manually tested, the high water level alarm also functioned properly. Flows for the WWTP are obtained using pump usage totalizers.
6. The surface sand filter consists of two cells. When dosed, the south filter cell was in use. The sand in the filter cells was raked level and was free of solids. However, the dosing pipe in the north cell needs to be realigned to allow the water to be dosed directly upon the splash pad. Water currently is being dosed directly upon the sand in the north filter cell, instead of the splash pad.
7. Treated effluent is disinfected utilizing tablet chlorination / dechlorination facilities. Both chlorination / dechlorination facilities are two tube units. Both units contained tablets, but were missing caps on the tubes.
8. At the time of the inspection, there was no effluent being discharged from the WWTP.

A review of the effluent data submitted for the Ridge Ranch Campgrounds WWTP, covering the period since the WWTP was upgraded (May 1, 2009 through September 1, 2012), was conducted prior to the inspection. The electronic Discharge Monitoring Report (eDMR) data revealed the following numeric effluent violations of the Ridge Ranch Campgrounds NPDES permit to discharge:

**RIDGE RANCH CAMPGROUNDS
 NPDES NO. 3PR00310
 NUMERIC EFFLUENT VIOLATIONS
 (MAY. 1, 2009 – SEP. 1, 2012)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	4.65	5/1/2009
May 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	4.65	5/6/2009
June 2009	Total Suspended Solids	30D Conc	12	138.	6/1/2009
June 2009	Total Suspended Solids	30D Qty	0.137	.20893	6/1/2009
June 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	27.3	6/1/2009
June 2009	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.04133	6/1/2009
June 2009	Total Suspended Solids	1D Conc	18	138.	6/24/2009
June 2009	Total Suspended Solids	1D Qty	0.205	.20893	6/24/2009
June 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	27.3	6/24/2009
June 2009	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.04133	6/24/2009
July 2009	Total Suspended Solids	30D Conc	12	62.	7/1/2009
July 2009	Total Suspended Solids	30D Qty	0.137	.20275	7/1/2009
July 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	2.55	7/1/2009
July 2009	Fecal Coliform	30D Conc	1000	4900.	7/1/2009
July 2009	CBOD 5 day	30D Conc	10	13.	7/1/2009
July 2009	Total Suspended Solids	1D Conc	18	62.	7/22/2009
July 2009	Fecal Coliform	1D Conc	2000	4900.	7/22/2009
August 2009	Total Suspended Solids	30D Conc	12	29.	8/1/2009
August 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	27.4	8/1/2009
August 2009	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.04148	8/1/2009
August 2009	CBOD 5 day	30D Conc	10	17.	8/1/2009
August 2009	Total Suspended Solids	1D Conc	18	29.	8/26/2009

RIDGE RANCH CAMPGROUNDS
 NOVEMBER 1, 2012
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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
August 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	27.4	8/26/2009
August 2009	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.04148	8/26/2009
August 2009	CBOD 5 day	1D Conc	15	17.	8/26/2009
September 2009	Total Suspended Solids	30D Conc	12	77.	9/1/2009
September 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	60.25	9/1/2009
September 2009	CBOD 5 day	30D Conc	10	46.	9/1/2009
September 2009	Dissolved Oxygen	1D Conc	5.0	4.5	9/2/2009
September 2009	Dissolved Oxygen	1D Conc	5.0	4.	9/9/2009
September 2009	Total Suspended Solids	1D Conc	18	77.	9/23/2009
September 2009	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	60.25	9/23/2009
September 2009	CBOD 5 day	1D Conc	15	46.	9/23/2009
September 2009	Chlorine, Total Residual	1D Conc	0.019	.05	9/23/2009
May 2010	Total Suspended Solids	30D Conc	12	14.	5/1/2010
June 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	6.65	6/1/2010
June 2010	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.04455	6/1/2010
June 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	6.65	6/16/2010
June 2010	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.04455	6/16/2010
July 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	5.75	7/1/2010
July 2010	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.02394	7/1/2010
July 2010	CBOD 5 day	30D Conc	10	14.	7/1/2010
July 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	5.75	7/28/2010
August 2010	Total Suspended Solids	30D Conc	12	76.	8/1/2010
August 2010	Total Suspended Solids	30D Qty	0.137	.43149	8/1/2010
August 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	14.9	8/1/2010
August 2010	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.08459	8/1/2010
August 2010	Total Suspended Solids	1D Conc	18	76.	8/11/2010
August 2010	Total Suspended Solids	1D Qty	0.205	.43149	8/11/2010
August 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	14.9	8/11/2010
August 2010	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.08459	8/11/2010
August 2010	Chlorine, Total Residual	1D Conc	0.019	.07	8/11/2010
August 2010	Dissolved Oxygen	1D Conc	5.0	4.5	8/25/2010
September 2010	Total Suspended Solids	30D Conc	12	44.	9/1/2010
September 2010	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	35.75	9/1/2010
September 2010	Fecal Coliform	30D Conc	1000	5250.	9/1/2010
September 2010	CBOD 5 day	30D Conc	10	28.	9/1/2010
September 2010	Chlorine, Total Residual	1D Conc	0.019	.13	9/1/2010
September 2010	Total Suspended Solids	1D Conc	18	44.	9/15/2010
September 2010	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	35.75	9/15/2010
September 2010	Fecal Coliform	1D Conc	2000	5250.	9/15/2010
September 2010	CBOD 5 day	1D Conc	15	28.	9/15/2010
October 2010	CBOD 5 day	30D Conc	10	18.	10/1/2010
October 2010	CBOD 5 day	1D Conc	15	18.	10/13/2010
May 2011	Total Suspended Solids	30D Conc	12	46.	5/1/2011
May 2011	Total Suspended Solids	30D Qty	0.137	.23679	5/1/2011
May 2011	Fecal Coliform	30D Conc	1000	1840.	5/1/2011
May 2011	Total Suspended Solids	1D Conc	18	46.	5/18/2011
May 2011	Total Suspended Solids	1D Qty	0.205	.23679	5/18/2011
June 2011	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	20.3	6/1/2011
June 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	20.3	6/1/2011

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 NOVEMBER 1, 2012
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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
June 2011	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.0922	6/1/2011
June 2011	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.0922	6/1/2011
July 2011	Total Suspended Solids	30D Conc	12	16.	7/1/2011
July 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	8.9	7/1/2011
July 2011	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.03369	7/1/2011
July 2011	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	8.9	7/13/2011
July 2011	Chlorine, Total Residual	1D Conc	0.019	.27	7/13/2011
July 2011	Chlorine, Total Residual	1D Conc	0.019	.39	7/27/2011
August 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	4.2	8/1/2011
August 2011	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.02544	8/1/2011
August 2011	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	4.2	8/17/2011
August 2011	Chlorine, Total Residual	1D Conc	0.019	.13	8/17/2011
September 2011	Total Suspended Solids	30D Conc	12	13.	9/1/2011
September 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	4.35	9/1/2011
September 2011	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.02634	9/1/2011
September 2011	CBOD 5 day	30D Conc	10	11.	9/1/2011
September 2011	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	4.35	9/14/2011
October 2011	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	10.45	10/1/2011
October 2011	Chlorine, Total Residual	1D Conc	0.019	.05	10/5/2011
October 2011	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	10.45	10/12/2011
May 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	5.65	5/1/2012
May 2012	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.0278	5/1/2012
May 2012	Chlorine, Total Residual	1D Conc	0.019	.11	5/2/2012
May 2012	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	5.65	5/9/2012
June 2012	Total Suspended Solids	30D Conc	12	45.	6/1/2012
June 2012	Total Suspended Solids	30D Qty	0.137	.21291	6/1/2012
June 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	21.6	6/1/2012
June 2012	Nitrogen, Ammonia (NH3-N)	30D Qty	0.0228	.1022	6/1/2012
June 2012	CBOD 5 day	30D Conc	10	14.	6/1/2012
June 2012	Chlorine, Total Residual	1D Conc	0.019	.18	6/6/2012
June 2012	Dissolved Oxygen	1D Conc	5.0	4.6	6/6/2012
June 2012	Total Suspended Solids	1D Conc	18	45.	6/13/2012
June 2012	Total Suspended Solids	1D Qty	0.205	.21291	6/13/2012
June 2012	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	21.6	6/13/2012
June 2012	Nitrogen, Ammonia (NH3-N)	1D Qty	0.0341	.1022	6/13/2012
June 2012	Chlorine, Total Residual	1D Conc	0.019	.06	6/20/2012
June 2012	pH	1D Conc	6.5	6.2	6/20/2012
June 2012	Dissolved Oxygen	1D Conc	5.0	4.2	6/20/2012
July 2012	Total Suspended Solids	30D Conc	12	21.	7/1/2012
July 2012	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	16.5	7/1/2012
July 2012	Total Suspended Solids	1D Conc	18	21.	7/3/2012
July 2012	Nitrogen, Ammonia (NH3-N)	1D Conc	3.0	16.5	7/3/2012

Based upon monthly data submitted for the Ridge Ranch Camp Grounds WWTP, the facility is in Significant Non-Compliance (SNC) for total suspended solids, ammonia nitrogen, and chlorine residual. The attached document details the parameters in SNC for the last six-month period (April 2012 through September 2012).

Wastewater treatment plants that are in SNC with their NPDES permit effluent limits should be returned to compliance in a timely manner.

The means by which an entity in SNC is brought back into compliance, and kept in compliance, is through a Compliance and Enforcement Plan developed by the District Office with jurisdiction over that entity.

SNC is defined by the USEPA as a 40% exceedance of specific conventional pollutant limits (1.4 x parameter effluent limit), or a 20% exceedance of toxic pollutant limits (1.2 x parameter effluent limit), at a given discharge point for any two or more months, during any two consecutive quarter period reviewed.

- a) Conventional pollutants include: BOD/CBOD; total suspended solids; nutrients such as nitrogen (ammonia) and phosphorus; oil & grease.
- b) Toxic pollutants include: total chlorine residual; heavy metals; cyanide.

This correspondence is serving as one of the initial, formal steps in the development of the Compliance and Enforcement Plan for this entity. For violations that are not, or cannot, be resolved within 45 days of the receipt of this letter, a compliance conference should be held between the Ohio EPA District Office and the County Engineer's Office.

The compliance conference meeting is to be held to discuss the facility's violations, and the County's efforts at coming into compliance with its NPDES permit effluent limits. Results of the meeting may require additional enforcement actions be taken by the Ohio EPA should compliance not be attained.

Proper operation and maintenance practices which will enable the Ridge Ranch Camp Grounds WWTP to continuously meet its NPDES Permit effluent limits should continue to be implemented.

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA/cs

Attachment

Cc: Trumbull County Health Department

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1. Article Addressed to:

RIDGE RANCH CAMPGROUNDS, INC.
ATTN: MR. JACK MORRIS
5219 STATE ROUTE 303 NW
NEWTON FALLS, OH 44444

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