

**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Carm Kosareski, Director

May 7, 2010

RE: PORTAGE COUNTY
MANTUA
YOGI BEAR'S JELLYSTONE PARK
PERMIT #3PR00090

Ms. Jeanne M. Heacox
General Manager
Morgan RV Resorts
Yogi Bear Jelly Stone Park #144
3392 SR 82
Mantua, OH 44255

Dear Ms. Heacox:

This letter will document a May 6, 2010 facility compliance inspection.

During the inspection we viewed all treatment system components. Observations noted were:

1. The aeration tank had a lighter color indicating possible under loading,
2. The settling tank appeared turbid with pin floc,
3. Solids were observed in the settling tank weir; it needs to be cleaned out.

A review of monthly operating reports was conducted for the time period July 2008 through March 2010. During this time period the annual average daily flow from the facility was 6,811 gallons per day with a maximum flow of 28,000 gallons per day. The system is designed for an average daily flow of 30,000 gallons per day. The following violations were identified by our computer screening program:

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2008	Ammonia (NH3)	30D Conc	2.0	17.80	7/1/2008
July 2008	Ammonia (NH3)	7D Conc	3.0	8.70	7/1/2008
July 2008	Ammonia (NH3)	30D Qty	0.2	0.62	7/1/2008
July 2008	pH	1D Conc	6.5	6.40	7/1/2008
July 2008	Dissolved Oxygen	1D Conc	5.0	4.60	7/1/2008
July 2008	Dissolved Oxygen	1D Conc	5.0	4.60	7/8/2008
July 2008	Dissolved Oxygen	1D Conc	5.0	2.30	7/15/2008
July 2008	Dissolved Oxygen	1D Conc	5.0	1.50	7/22/2008
July 2008	Dissolved Oxygen	1D Conc	5.0	4.30	7/29/2008
October 2008	pH	1D Conc	6.5	6.40	10/28/2008
September 2008	CBOD 5 day	7D Conc	15	17.10	9/15/2008
September 2008	pH	1D Conc	6.5	5.70	9/9/2008
September 2008	pH	1D Conc	6.5	5.90	9/23/2008

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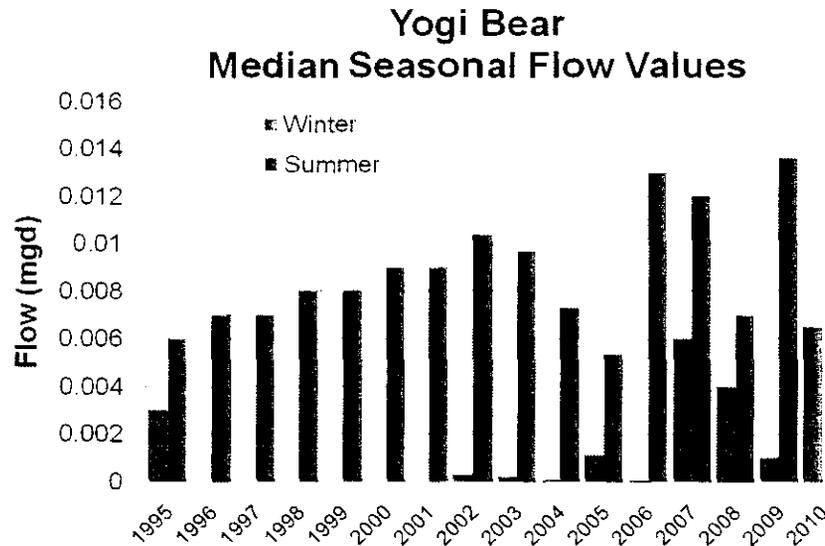
Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2008	Dissolved Oxygen	1D Conc	5.0	2.20	9/2/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	4.80	9/9/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	4.80	9/16/2008
September 2008	Dissolved Oxygen	1D Conc	5.0	3.20	9/30/2008
August 2008	pH	1D Conc	6.5	6.10	8/12/2008
August 2008	pH	1D Conc	6.5	6.20	8/19/2008
August 2008	Dissolved Oxygen	1D Conc	5.0	2.50	8/5/2008
August 2008	Dissolved Oxygen	1D Conc	5.0	2.40	8/12/2008
August 2008	Dissolved Oxygen	1D Conc	5.0	3.00	8/19/2008
August 2009	Ammonia (NH3)	30D Conc	1.2	1.33	8/1/2009
August 2009	Ammonia (NH3)	7D Conc	3.0	4.24	8/1/2009
August 2009	Dissolved Oxygen	1D Conc	5.0	4.81	8/12/2009
May 2009	Ammonia (NH3)	30D Conc	1.2	2.27	5/1/2009
May 2009	Ammonia (NH3)	7D Conc	3.0	4.42	5/1/2009
May 2009	Dissolved Oxygen	1D Conc	5.0	4.90	5/4/2009
May 2009	Dissolved Oxygen	1D Conc	5.0	3.93	5/28/2009
February 2009	Total Suspended Solids	30D Conc	12	18.00	2/1/2009
February 2009	Total Suspended Solids	7D Conc	18	72.00	2/1/2009
July 2009	Ammonia (NH3)	30D Conc	1.2	41.65	7/1/2009
July 2009	Ammonia (NH3)	7D Conc	3.0	63.00	7/1/2009
July 2009	Ammonia (NH3)	7D Conc	3.0	20.30	7/15/2009
July 2009	Ammonia (NH3)	30D Qty	0.137	3.51	7/1/2009
July 2009	Ammonia (NH3)	7D Qty	0.341	6.01	7/1/2009
July 2009	Ammonia (NH3)	7D Qty	0.341	1.01	7/15/2009
April 2009	Total Suspended Solids	30D Conc	12	23.50	4/1/2009
April 2009	Total Suspended Solids	7D Conc	18	67.00	4/8/2009
April 2009	Dissolved Oxygen	1D Conc	5.0	3.90	4/21/2009
April 2009	Dissolved Oxygen	1D Conc	5.0	4.10	4/23/2009
June 2009	Ammonia (NH3)	30D Conc	1.2	7.27	6/1/2009
June 2009	Ammonia (NH3)	7D Conc	3.0	14.30	6/15/2009
June 2009	Ammonia (NH3)	30D Qty	0.137	0.33	6/1/2009
June 2009	Ammonia (NH3)	7D Qty	0.341	0.65	6/15/2009

Based on the plant violations noted above and an examination of flow data, it is evident that the plant is operating below its rated capacity which is impacting effluent quality. There is a large difference between reported winter flow values and summer flow values. It is likely that the activated sludge process becomes ineffective in the early camp season and may take some time to adjust to the higher summer flows.

At this time I would recommend that you investigate the possibility of seasonally controlling flows by shutting down half of the aeration tanks. Based on my visual inspection it may be possible. This should be discussed with your plant operator.

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Adjusting plant capacity may help to alleviate violations through improved plant performance.



A review of operating reports also indicated that no sludge was removed from the plant in 2008, 2009, and this year. Aging sludge may also contribute to treatment problems.

Should you have any questions, please contact me at (330) 963-1134.

Sincerely,

William J. Zawiski
Environmental Scientist
Division of Surface Water

WJZ/mt