OhioEPA

State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Marion County
River Bend Corporation
NPDES Permit

August 24, 2007

Mr. Ron Lammers, President
River Bend Campground
P. O. Box 401
Caledonia, OH 43314

Dear Mr. Lammers:

On August 1, 2007 an operation and maintenance inspection was made of the wastewater treatment facilities serving River Bend Campground. The facility is located at 1092 Whetstone River Road, Claridon Township, Marion County, Ohio. At the time of inspection, the North and South wastewater treatment plants (WWTPs) were in operation. Mr. John Kincaid was present and provided information regarding the operation of the plants. My observations are as follows:

1. The mixed liquors in both of the WWTPs appeared to be brown and aerated. The contents in the aeration tanks of both WWTPs appeared to be a chocolate brown color indicating a healthy microbial population. The tanks appeared to be receiving adequate aeration and the blower units are on timers.

2. The effluent from the North WWTP appeared to be mostly clear, and the effluent from the South WWTP was slightly cloudy.

3. At the time of inspection, the chlorine tablets were placed in the weir of the clarifier at the South WWTP and in the splitter box prior to the sand filters at the North WWTP.

4. The skimmers and return activated sludge lines (RAS) of both WWTPs were working properly at the time of inspection. The RASs were returning brown liquors and the skimmers had clear returns. In mid-July the RAS of the South WWTP was plugged which caused solids to overflow into one of the sand filters. Subsequently, the filter of the South WWTP was clogged and flooded.

5. Our cursory review of your self-monitoring reports (1/1/2006 to 7/31/2007) for this WWTP indicates effluent violations. Please refer to the enclosed summary of the effluent violations.

Please note that your existing National Pollutant Discharge Elimination System (NPDES) permit (2PR00189*AD) will expire on May 31, 2008. In order to receive authorization to discharge beyond the expiration date, you must submit a renewal NPDES permit application to our office no later than 180 days prior to the expiration date of your permit.

A copy of our completed inspection form is enclosed for your review. If you have any questions or comments feel free to call me at (419) 373-3021.

Sincerely yours,

Jason Ko
Division of Surface Water

/csl

Enclosures

pc: Marion County Health Department
NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. : 2PR00189

Facility Name: River Bend Campground — Expiration Date: 5/31/2008

Facility Address : 1092 Whetstone River Road South — Date : 8/1/07 Time : 8:30 am

City : Caledonia — County: Marion — Township: Claridon

Name and Address of Owner: River Bend Corp.

Person Contacted : John Kincaid, Technical Supervisor — Phone: 740-386-3768

Flow: Design : 5,000(South) & 7,500(North) GPD — Present : _____ GPD (metered)

Trib. Pop.: 240 (actual-total) — Weather at time of inspection: Temp 80° & sunny

OEPA Personnel : Jason Ko — District NWDO

1. Plant Effluent - Mark Severity No. (North WWTP ***"X"*** & South WWTP ***"0"***)

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild	0		0		0	
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Olentangy River - not observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent _____ good __X__ fair _____ poor operation
   b. Plant has _____ excellent _____ good __X__ fair _____ poor maintenance
   c. Sand filters have _____ excellent _____ good __X__ fair _____ poor maintenance

   d. Not operating at expected efficiency due to:

   (1)_____hydraulic overload
   (2)_____organic/ solids overload
   (3)_____personnel inefficiency
   (4)_____equipment failure
   (5)_____ wastes
   (6) _____

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
X		Chlorination Tablets
X		Dechlorination Tablets
		U.V.

Yes No

4. ____ __X__ Compliance with NPDES Permit

	Y	N	Parameters:
Periodic Violations	X		TSS & Ammonia
Chronic Violations			

5. __X__ _____ Adequate plant safety

6. _X___ _____ Operation and Maintenance Service — Name: John Kincaid, Technical Supervisor

Frequency of Visits: 4/month

Facility Name: River Bend Campground (South Plant)

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/yr
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer _X_ Y ___ N Motor/ Blower Unit	Cycle Time: 30 min ON & 30 min OFF
Secondary Treatment	1	Aeration Tank (5000 gpd)	Color : Brown & foamy Adequate Aeration: Yes
Final Settling	1	Clarifier	with 2 hoppers
	2	Sludge Return	In _X___ Out ____ RAS was plugged 7/11/07
	1	Surface Skimmer	In _X___ Out ____
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	1 of the filters is ponded & need to be cleaned
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	at clarifier weir
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	IN	Recorder (continuous total)	Hour meter
Pumps	2	Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	City of Marion
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	
		Spray Irrigation	
		Other	

Facility Name: River Bend C ..npground (North Plant)

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/yr
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	5000 gallon, aerated with 2 pumps
Aeration Equipment		Plant Timer _X_Y ___ N	Cycle Time: 30 min ON & 30 min OFF
	2	Motor/ Blower Unit	
Secondary Treatment	2	Aeration Tank (7500 gpd)	Color : Brown Adequate Aeration: Yes
Final Settling	1	Clarifier	with 2 hoppers
	2	Sludge Return	In _X___ Out ___
	1	Surface Skimmer	In _X___ Out ___
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	the filters need to be cleaned
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	1	Chlorine Tube Feeder	at the splitter box prior to sand filters
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	IN	Recorder (continuous total)	Hour meter
Pumps	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	City of Marion
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00189*AD	June 2006	001	00530	Total Suspended Solids	30D Conc	12	20.	6/1/2006
2PR00189*AD	June 2006	001	00530	Total Suspended Solids	7D Conc	18	20.	6/15/2006
2PR00189*AD	May 2006	002	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	35.4	5/1/2006
2PR00189*AD	May 2006	002	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	35.4	5/15/2006
2PR00189*AD	May 2006	002	00610	Nitrogen, Ammonia (NH3	30D Qty	0.03	.4569	5/1/2006
2PR00189*AD	May 2006	002	00610	Nitrogen, Ammonia (NH3	7D Qty	0.04	.4569	5/15/2006
2PR00189*AD	September 2006	002	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	5.97	9/1/2006
2PR00189*AD	September 2006	002	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.97	9/1/2006
2PR00189*AD	June 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.57	6/1/2007
2PR00189*AD	June 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.08	6/8/2007
2PR00189*AD	June 2007	002	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	4.15	6/1/2007
2PR00189*AD	June 2007	002	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.15	6/8/2007