



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: Notice of Violation
Putnam County
Country Acres Golf Course

March 26, 2008

Mr. Tom Price
Putnam County County Commissioner
245 East Main Street, Suite 101
Ottawa, Ohio 45875

Dear Mr. Price:

On February 25, 2008 a follow up compliance inspection of the Country Acres Golf Course was conducted. Mr. Jim Hemrick, Country Acres Maintenance was present and provided information concerning the operation and maintenance of the treatment facilities to Dana Martin-Hayden.

Putnam County was hit hard by severe flooding in August of 2007. A compliance inspection of the wastewater treatment facility was conducted on August 27, 2007 to document the effect of the flood waters on this plant.

At the time of the August inspection, all treatment units were in operation. However, the surface sand filters were covered with sludge and weeds were present on one side. Aeration was taking place in both tanks, although the second tank appeared to have poor aeration. The trash trap has a missing grate which causes a safety hazard. No chlorine tablets were present in the Chlorine Tube Feeder. Disinfection is required between May 1, and October 31. Disinfection treatment will not take place without these tablets. Dead fish were located on the ground within the flooded high water area. The flood did not appear to affect the sand filters.

At the time of our follow up inspection of February 25, 2008, the facility was also recovering from a flood event. The surface sand filters were covered with sludge and the area was flooded. Wastewater was bypassing the surface sand filters and flowing over the ground and then discharging to the stream. Mr. Hemrick stated that a storm tile had been installed next to the apartment buildings within the sewerage collection system. However, the sump pumps discharging to the sewerage system had not been disconnected and diverted to the storm tile. Inflow and infiltration (I/I) continues to be a major issue for the plant. Due to the recent flooding the Fixed Media Tank was full of sludge. When sludge is removed from the package plant and hauled to a permitted wastewater treatment facility, it is vital that all tanks with sludge accumulation be cleared to prevent overflowing the sludge drying beds when the plant is flooded.

This excerpt from our June 30, 2006 inspection letter remains relevant to recent inspections and provides the justification for the I/I schedule contained in the NPDES permit.

There is a large amount of sludge that is carried through the plant during rain events, since the facility has significant clean water inflow and infiltration (I&I) issues. When the sludge is carried through the plant it clogs up the sand filter and settles in the chlorine contact tank. Mr. Hemrick stated, during this inspection, that when the sand filters become plugged in the winter, from approximately January through March, they ice over causing the wastewater to bypass the sand filters. Efforts must be made, even in extreme weather to keep all components in service. It may be necessary to construct a building over the filters.

The County is in violation of the following provisions of the National Pollutant Discharge Elimination System (NPDES) permit, contained in Part 1, C.

Part 1, C, 1.- A copy of the rules or ordinances legally adopted by the County Commissioners to prohibit roof drains, foundation drains, and other clean water connections to the sanitary sewer has not been submitted to our office. A copy of the rules or ordinances shall be submitted to the Ohio EPA NWDO within 90 days. (Event Code 60499) Deadline stated in your permit was May 1, 2007.

Part 1, C, 2. – An I/I study to determine if I/I is excessive has not been completed. In addition, the study results have not been submitted to the Ohio EPA NWDO. A study and a copy of the results study shall be submitted to the Ohio EPA within 6 months. (Event Code 7099) Deadline stated in your permit was July 1, 2007.

Part 1, C, 3, A - A sewer system evaluation survey (SSES) of the sections of the collection system identified as receiving significant volumes of I/I, has not been conducted. The SSES shall be completed and submitted to Ohio EPA NWDO within 18 months. (Event Code 7099) Deadline stated in your permit was November 1, 2007.

Part I, C, 3, C. of the NPDES permit requires that the recommendations of the SSES study for the reduction of I/I be fully completed within 36 months (due May 1, 2010) of the effective date of this permit. A final report summarizing the results of the effort to reduce I/I into the separate collection system shall be submitted to the Ohio EPA NWDO within 40 months of the effective date of this permit. (Event Code 61099). This report will be due September 1, 2010.

Mr. Tom Price
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The general operation and maintenance of the plant has improved, as indicated by the number of permit limit violations. Mr. Hemrick stated that the plant's success is due to educational courses he and the operator have attended relating to package plant operation. They have implemented the program discussed in the class, which has lead to better operations and less frequent permit limit violations. To be in compliance with the NPDES permit, efforts must be continued to improve the effectiveness of this package plant and meet the schedule contained in the permit. Better maintenance of the facility's blowers, tank grates, chlorine tablet replacement and surface sand filters will ensure the permit effluent limits are met on a daily basis.

A copy of our completed compliance inspection report is enclosed. If there are any questions, please advise.

Sincerely,



Elizabeth A. Wick, P.E.
Water Quality Engineer
Division of Surface Water

/csi

Enclosure

cc: DSW, NWDO File

Facility Name: Country Acres Golf Course
 August Flooded sand filters according to Jim
 Feb 6th they flooded the sand filters

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap missing grate	Pumping Frequency: grey-filled w/ sludge
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	grey
Aeration Equipment	2	Plant Timer. <input checked="" type="checkbox"/> Y. <input checked="" type="checkbox"/> N not used Motor/ Blower Unit	Cycle Time: constantly on
Secondary Treatment	3	Aeration Tank	Color: light brown, grey not well aerated Adequate Aeration: Y. <input checked="" type="checkbox"/> N. <input checked="" type="checkbox"/>
Final Settling	1	Clarifier	weir full of sludge black tank - solids floating
	2	Sludge Return	In <input checked="" type="checkbox"/> Out light brown
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out clear
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	Flooded from last flood No drain - freezer - Bypassed
		Polishing Pond	full of sludge in both beds
		Other	
Disinfection		Contact Tank	
	1	Chlorine Tube Feeder	out
	1	Dechlorination Tube Feeder	out
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	1	Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
	2	Sludge Drying Bed	full of weeds not utilized
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
	1	Other Fixed Media Tank	Full of sludge - needs pump

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00083*AD	May 2006	001	00530	Total Suspended Solids	7D Conc	18	20.	5/15/2006
2PG00083*AD	February 2007	001	80082	CBOD 5 day	30D Conc	10	11.775	2/1/2007
2PG00083*AD	February 2007	001	80082	CBOD 5 day	7D Conc	15	37.	2/22/2007
2PG00083*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.99625	7/1/2006
2PG00083*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	2.4	7/1/2006
2PG00083*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.5	7/8/2006
2PG00083*AD	July 2006	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.17	.20439	7/8/2006

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
2PG00083*AD	May 2006	001	00083	Color, Severity	1/Day	1	0	05/09/2006
2PG00083*AD	May 2006	001	00083	Color, Severity	1/Day	1	0	05/12/2006
2PG00083*AD	June 2006	001	00530	Total Suspended Solids	1/Week	1	0	06/08/2006
2PG00083*AD	June 2006	001	80082	CBOD 5 day	1/Week	1	0	06/08/2006
2PG00083*AD	June 2006	001	00400	pH	1/Week	1	0	06/08/2006
2PG00083*AD	June 2006	001	00300	Dissolved Oxygen	1/Week	1	0	06/08/2006
2PG00083*AD	June 2006	001	00400	pH	1/Week	1	0	06/22/2006

Facility	Permit No	App No	Permit Effective Date	Permit Expiration Date	Schedule Due Date	Completion Date	Event Code	Schedule Type	Schedule Milestone
Country Acres Golf Course *	2PG00083*BD	OH0079057	5/1/2007	4/30/2012	5/1/2007		61099	Monitoring	Final Progress Rpt.
Country Acres Golf Course *	2PG00083*BD	OH0079057	5/1/2007	4/30/2012	7/1/2007		60499	Monitoring	90-Day Compliance Report
Country Acres Golf Course *	2PG00083*BD	OH0079057	5/1/2007	4/30/2012	11/1/2007		7099	Monitoring	First Monitoring Report



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Ted Strickland, Governor
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Re: Notice of Violation
Putnam County
Country Acres Golf Course
Ohio EPA Permit No. 2PG00038
NPDES Permit No. OH0079057

March 26, 2008

Mr. Tom Price
County Commissioner Putnam County
245 East Main Street, Suite 101
Ottawa, Ohio 45875

Dear Mr. Price:

We are in receipt of your self-monitoring reports covering the month of April 2006 – February 2008 for the referenced facility. Our review indicates significant violations of the conditions of your NPDES permit. We consider your facility to be in significant noncompliance. The specific instances of noncompliance are attached.

When entering explanation codes, such as AH, you must enter a note in SWIMWARE justifying the use of the code. Failure to document appropriate codes with descriptive comments may result in a notice of violation.

For permit violations occurring from April 2006 – February 2008, please inform this office in writing within 20 days of receipt of this letter as to the reasons for the above referenced violations, as well as a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

Please be advised that failure to comply with the effluent limitations and/or monitoring requirements specified in your NPDES permit may be cause for enforcement action pursuant to Ohio Revised Code, Chapter 6111. If these violations continue to occur and if satisfactory progress is not made, it may be necessary to initiate enforcement action to achieve compliance.

The Ohio EPA strongly encourages pollution prevention as the preferred approach for waste management. The first priority of pollution prevention is to eliminate the generation of wastes and pollutants at the source (source reduction). For those wastes or pollutants that are generated, the second priority is to recycle or reuse them in an environmentally sound manner.

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You can benefit economically, help preserve the environment, and improve your public image by implementing pollution prevention programs. For more information about pollution prevention, including fact sheets or US EPA's "facility Pollution Prevention Guide" (EPA/600/R-92.008), please contact the Ohio EPA Pollution Prevention Section at (614) 644-3469.

If there are any questions, please contact this office.

Sincerely,



Dana Martin-Hayden
Division of Surface Water

/csl

pc: Jim Hemrick, Country Acres Golf Course
`DSW-NWDO file`