



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

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

Re: Marion County
Grandview Estates
NPDES Permit

December 14, 2009

Mr. Roger Dietrich
Marion County Sanitary Engineering Dept
222 West Center Street
Marion, Ohio 43302

Dear Mr. Dietrich:

On December 2, 2009, an operation and maintenance inspection was made of the wastewater treatment plant serving the Grandview Estates. The treatment facility is located on Grandview Drive, in Marion Township, Marion County. This inspection was conducted as part of the facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PG00036*ED.

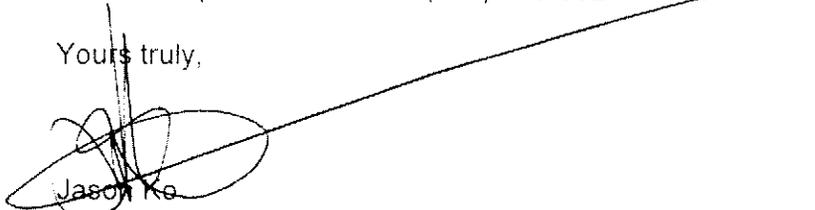
Wastewater is treated by a two stage continuous discharge lagoon system (Outfall 001) and an 80,000 gpd package plant (Outfall 002). At the time of the inspection, both treatment facilities were in operation. The contents of the aeration tank were brown and the final discharge from the package plant was clear. The final effluent from the polishing lagoon (duckweed covered) was also clear. However, we did not collect effluent samples to determine the water quality of the discharge during our visit.

We understand that the County already initiated investigating the infiltration/inflow problems by smoke testing the entire collection system. Findings and recommendations from this smoke testing should be incorporated into a sewer rehabilitation program to remove "clean" stormwater from the sanitary sewers. Please submit the finalized sewer rehabilitation plan to our office as soon as possible.

Our review of your discharge monitoring reports (1/1/2008 to 11/1/2009) for this facility indicated numerous effluent violations. Please refer to the enclosed violation table.

Our completed inspection form is enclosed for your review. If you have any questions or comments please call me at (419) 373-3021.

Yours truly,



Jason Ko
Division of Surface Water
/lb
Enclosures
pc: NWDO File

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
2PG00036	OH0036765	2009/12/2	C	S	P

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Grandview Estates Grandview Road Marion, OH 43302	10:45 A.M.	6/1/2007
	Exit Time 11:15 A.M.	Permit Expiration Date
		5/31/2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mr. Craig Woodrum, Plant Operator	(740) 389-1526

Name, Address and Title of Responsible Official	Phone Number
Roger Dietrich, County Sanitary Engineer Marion County Sanitary Engineering Office 222 West Center Street Marion, Ohio 43302	(740) 223-4130

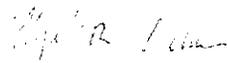
Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>-</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>M</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage	<u>-</u> Other
<u>M</u> Collection System		

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

- * The lagoon system and the package WWTP were in operation; flow in excess of 80,000 gpd will be diverted to the lagoon system
- * Investigate and take corrective actions to address the excessive I/I problems in the collection system
- * The NPDES permit will expire 5/31/2012
- * Review of the Discharge Monitoring Report (1/1/2008 – 11/1/2009) indicated numerous effluent violations

 Jason Ko Name(s) and Signature(s) of Inspector(s)	12/14/09 Date	Ohio EPA, Northwest District Office
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 Elizabeth A. Wick, P.E. Name and Signature of Reviewer	1/11/09 Date	Ohio EPA, Northwest District Office
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F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	-	
	Potable Water Supply Protection	-	
	Safety Features	S	Fenced
	Bypasses	-	
	Stormwater Overflows	-	
	Alternate Power Source	-	
Preliminary	Maintenance of Collection Systems	M	Investigate & address I/I problems
	Pump Station	IN	3 influent pumps
	Ventilation	-	
	Bar Screen	-	
	Disposal of Screenings	-	
	Comminutor	-	
	Grit Chamber	IN	Diverter box also provides some grit removal
	Disposal of Grit	S	
	Equalization Basin	-	
Primary	Settling Tanks	-	
	Scum Removal	-	
	Sludge Removal	-	
	Effluent	-	
Sludge Disposal	Digesters (Aerobic)	IN	1 unit & aerated
	Temperature and pH	-	
	Gas Production	-	
	Heating Equipment	-	
	Sludge Pumps	IN	
	Drying Beds	-	
	Vacuum Filter	-	
	Disposal of Sludge	S	Haul to Richland Road WWTP
Other	Flow Meter and Recorder	IN	At influent pumps
	Records	S	
	Lab Controls	-	
	Chemical Treatment	-	
Secondary-Tertiary <small>List items as</small>	Aeration Basin (80,000 gpd design)	IN	1 unit & brown (OFF ½ hr & ON ½ hr)
	Secondary Settling	IN	2 units
	Fixed Media	IN	2 units
	Post Air	IN	For Outfalls 001 & 002
	Blowers	IN	2 units for aeration tank & 2 units for sludge treatment
	Sand Filter	IN	4 units
	Lagoons	IN	Aerated primary & polishing (duckweed covered); in use above 80,000 gpd
Disinfection	Effluent	S	Clear for 001 & 002
	Disinfection System	OUT	
	Effective Dosage	-	
	Contact Time	-	
	Contact Tank	IN	
	Dechlorination	-	

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Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00036*ED	March 2008	001	00530	Total Suspended Solids	7D Qty	34.1	70.3101	3/15/2008
2PG00036*ED	March 2008	001	80082	CBOD 5 day	30D Qty	19	32.7806	3/1/2008
2PG00036*ED	March 2008	001	80082	CBOD 5 day	7D Qty	30.3	35.0826	3/1/2008
2PG00036*ED	March 2008	001	80082	CBOD 5 day	7D Qty	30.3	73.2397	3/15/2008
2PG00036*ED	October 2008	002	00530	Total Suspended Solids	7D Conc	18	22.	10/1/2008
2PG00036*ED	May 2008	001	00530	Total Suspended Solids	30D Conc	30	33.625	5/1/2008
2PG00036*ED	May 2008	001	00530	Total Suspended Solids	7D Conc	45	49.5	5/8/2008
2PG00036*ED	May 2008	001	00530	Total Suspended Solids	30D Qty	22.7	31.4032	5/1/2008
2PG00036*ED	May 2008	001	00530	Total Suspended Solids	7D Qty	34.1	34.7671	5/1/2008
2PG00036*ED	May 2008	001	00530	Total Suspended Solids	7D Qty	34.1	50.3575	5/8/2008
2PG00036*ED	June 2008	001	00530	Total Suspended Solids	30D Conc	30	33.5	6/1/2008
2PG00036*ED	June 2008	001	00530	Total Suspended Solids	30D Qty	22.7	43.3713	6/1/2008
2PG00036*ED	June 2008	001	00530	Total Suspended Solids	7D Qty	34.1	63.4744	6/1/2008
2PG00036*ED	June 2008	001	00530	Total Suspended Solids	7D Qty	34.1	78.1299	6/15/2008
2PG00036*ED	June 2008	001	80082	CBOD 5 day	30D Qty	19	22.0958	6/1/2008
2PG00036*ED	June 2008	001	80082	CBOD 5 day	7D Qty	30.3	41.3976	6/15/2008
2PG00036*ED	February 2008	001	00530	Total Suspended Solids	30D Qty	22.7	26.8069	2/1/2008
2PG00036*ED	February 2008	001	00530	Total Suspended Solids	7D Qty	34.1	87.6454	2/1/2008
2PG00036*ED	February 2008	001	80082	CBOD 5 day	30D Qty	19	29.5668	2/1/2008
2PG00036*ED	February 2008	001	80082	CBOD 5 day	7D Qty	30.3	80.7590	2/1/2008
2PG00036*ED	July 2008	002	50060	Chlorine, Total Residu	1D Conc	0.019	.37	7/1/2008
2PG00036*ED	April 2008	001	80082	CBOD 5 day	30D Qty	19	20.6022	4/1/2008
2PG00036*ED	April 2008	001	80082	CBOD 5 day	7D Qty	30.3	33.0737	4/1/2008
2PG00036*ED	May 2009	002	50060	Chlorine, Total Residu	1D Conc	0.019	.08	5/5/2009
2PG00036*ED	May 2009	002	50060	Chlorine, Total Residu	1D Conc	0.019	.29	5/6/2009
2PG00036*ED	May 2009	002	50060	Chlorine, Total Residu	1D Conc	0.019	.08	5/18/2009
2PG00036*ED	April 2009	001	00530	Total Suspended Solids	30D Qty	22.7	30.0003	4/1/2009
2PG00036*ED	April 2009	001	00530	Total Suspended Solids	7D Qty	34.1	40.1172	4/15/2009
2PG00036*ED	April 2009	001	80082	CBOD 5 day	30D Qty	19	25.6729	4/1/2009
2PG00036*ED	April 2009	001	80082	CBOD 5 day	7D Qty	30.3	30.8089	4/8/2009
2PG00036*ED	April 2009	001	80082	CBOD 5 day	7D Qty	30.3	38.5655	4/15/2009
2PG00036*ED	February 2009	001	00530	Total Suspended Solids	30D Qty	22.7	25.8761	2/1/2009
2PG00036*ED	February 2009	001	00530	Total Suspended Solids	7D Qty	34.1	81.6575	2/8/2009

2PG00036*ED	February 2009	001	80082	CBOD 5 day	30D Qty	19	21.9057	2/1/2009
2PG00036*ED	February 2009	001	80082	CBOD 5 day	7D Qty	30.3	71.1256	2/8/2009
2PG00036*ED	March 2009	001	00530	Total Suspended Solids	30D Conc	30	30.125	3/1/2009
2PG00036*ED	March 2009	001	00530	Total Suspended Solids	7D Conc	45	50.	3/22/2009
2PG00036*ED	March 2009	001	00530	Total Suspended Solids	30D Qty	22.7	23.2512	3/1/2009
2PG00036*ED	March 2009	001	00530	Total Suspended Solids	7D Qty	34.1	34.3261	3/8/2009
2PG00036*ED	March 2009	001	00400	pH	1D Conc	9.0	9.1	3/24/2009
2PG00036*ED	June 2009	001	00530	Total Suspended Solids	7D Qty	34.1	67.2159	6/1/2009
2PG00036*ED	June 2009	001	80082	CBOD 5 day	7D Qty	30.3	32.2710	6/1/2009

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
ZPG00036*ED	June 2009	002	31616	Fecal Coliform			AK	6/9/2009