



Environmental  
Protection Agency

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korteski, Director



\*1PA0010020080911\*

BROWN

SAINT MARTIN WWTP

JACKSON, JOSHUA 2008/09/11



State of Ohio Environmental Protection Agency

Southwest District Office

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Dayton, Ohio 45402

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

September 11, 2008

Mayor & Council  
Village of St. Martin — *Conest.*  
P.O. Box 213  
Fayetteville, OH 45118

**RE: Notice of Violation  
Village of St. Martin WWTW/Compliance Evaluation Inspection  
NPDES Permit No. OH0022527/OEPA PERMIT NO. 1PA00100\*ED**

Ladies & Gentlemen:

On September 3, 2008, I conducted an NPDES Compliance Evaluation Inspection at the Village of St. Martin wastewater treatment works (WWTW). There was no one present during the inspection, but there was follow-up with Frank Leone of Environmental Engineering Services (wastewater operations contractor for the Village).

A copy of Mr. Jackson's report on the inspection is enclosed. As indicated on the attached NPDES Compliance Evaluation Inspection Report, the "Effluent/Receiving Waters" section received an "Unsatisfactory" rating. **Please pay special attention to the requirement in bold type, located within the report, discussing the abandonment of the existing wastewater treatment works once the new pump station and force main are constructed and online.**

If you have any questions, please feel free to contact me by phone at (937) 285-6029 or by e-mail at [joshua.jackson@epa.state.oh.us](mailto:joshua.jackson@epa.state.oh.us).

Respectfully,

Joshua Jackson  
Environmental Specialist II  
Division of Surface Water

Cc: Frank Leone, EES (with report)

Enclosures



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State of Ohio Environmental Protection Agency  
Southwest District Office

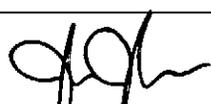
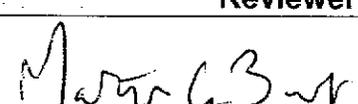
NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PA00100*ED	OH0022527	9/3/2008	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
St. Martin WWTW 1000 feet east of the intersection of State Route 251 and Anderson State Road St. Martin, Brown County	1:20 p.m.	6/1/2007
	Exit Time	Permit Expiration Date
	1:45 p.m.	5/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Ernest Stickler, Operator of Record (EES)	513-934-1512	
Name, Address and Title of Responsible Official	Phone Number	
Mayor Dawn Voss Village Clerk Sue Spradlin P.O. Box 213 Fayetteville, OH 45118	513-460-2216	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory; N = Not Evaluated)					
S	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedule
N	Operations & Maintenance	U	Effluent/Receiving Waters	S	Self-Monitoring Program
N	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)
See Attached Report.

Inspector	Reviewer
 Joshua Jackson Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
9-11-08 Date	9/12/08 Date

Inspection Findings

The St. Martin wastewater treatment works is permitted to treat and discharge an average daily flow of 18,000 gallons/day. This facility serves Chatfield College and 27 additional residential connections.

At the time of the inspection, the two sand filters were ponded, filled with duckweed and overflowing into South Branch Caesar Creek. The overflow channel contained gray and black sewage fungus. This condition has persisted for several years now and leads to the facility's inability to comply with the existing NPDES permit pollutant limitations; as shown below:

Effluent Limit Violations

(Period of Review: August 2007 – July 2008)

7D = Weekly    30D = Monthly    1D = Daily  
 Conc. = Concentration (mg/l)    Qty. = Quantity (Kg/Day)

Reporting Period	Parameter	Limit Type	Limit	Reported Value
August 2007	Total Suspended Solids	30D Conc	12	17.
August 2007	CBOD 5 day	30D Conc	10	14.2
August 2007	CBOD 5 day	7D Conc	12	14.2
September 2007	Total Suspended Solids	30D Conc	12	88.
September 2007	Total Suspended Solids	30D Qty	0.82	2.66464
September 2007	CBOD 5 day	30D Conc	10	205.
September 2007	CBOD 5 day	30D Qty	0.68	6.2074
September 2007	CBOD 5 day	7D Conc	12	205.
September 2007	CBOD 5 day	7D Qty	0.82	6.2074
September 2007	Total Suspended Solids	7D Conc	18	88.
September 2007	Total Suspended Solids	7D Qty	1.2	2.66464
October 2007	Total Suspended Solids	30D Conc	12	42.
October 2007	Total Suspended Solids	30D Qty	0.82	3.1794
October 2007	CBOD 5 day	30D Conc	10	183.
October 2007	CBOD 5 day	30D Qty	0.68	5.54124
October 2007	CBOD 5 day	7D Conc	12	183.
October 2007	CBOD 5 day	7D Qty	0.82	5.54124
October 2007	Total Suspended Solids	7D Conc	18	42.
October 2007	Total Suspended Solids	7D Qty	1.2	3.1794
November 2007	Total Suspended Solids	30D Conc	30	48.
November 2007	Total Suspended Solids	7D Conc	45	48.
January 2008	CBOD 5 day	30D Conc	25	31.
April 2008	CBOD 5 day	30D Conc	25	211.
April 2008	CBOD 5 day	7D Conc	40	211.
May 2008	Total Suspended Solids	30D Conc	12	22.

May 2008	CBOD 5 day	30D Conc	10	74.
May 2008	Total Suspended Solids	7D Conc	18	22.
May 2008	CBOD 5 day	7D Conc	12	74.
June 2008	Total Suspended Solids	30D Conc	12	156.
June 2008	CBOD 5 day	30D Conc	10	92.
June 2008	Total Suspended Solids	7D Conc	18	156.
June 2008	CBOD 5 day	7D Conc	12	92.
July 2008	Total Suspended Solids	30D Conc	12	286.
July 2008	Total Suspended Solids	30D Qty	0.82	9.74259
July 2008	CBOD 5 day	30D Conc	10	75.
July 2008	CBOD 5 day	30D Qty	0.68	2.55488
July 2008	Total Suspended Solids	7D Conc	18	286.
July 2008	Total Suspended Solids	7D Qty	1.2	9.74259
July 2008	CBOD 5 day	7D Conc	12	75.
July 2008	CBOD 5 day	7D Qty	0.82	2.55488

Because of the current conditions of the WWTW and the reported effluent violations, a rating of "Unsatisfactory" was given for the "Effluent/Receiving Waters" section of this report.

The compliance schedule in the existing NPDES permit requires the Village to upgrade the WWTW in order to meet the new nitrogen-ammonia limitations on the discharge to South Branch Caesar Creek. The Village has until May 31, 2010, to complete the improvements.

Fayetteville-Perry Township Regional Sewer District (FPTRSD) has recently partnered with the Village of St. Martin for the required improvements. Detailed plans will be submitted this fall for the installation of a pump station and force main that will convey sewage from the Village of St. Martin to the FPTRSD WWTW. It is anticipated that this work will be completed by dates provided in the NPDES compliance schedule. FPTRSD will own and operate the pump station and force main and St. Martin will be a metered customer.

**The detailed plans for the pump station and force main shall include provisions for properly abandoning the St. Martin WWTW. These items should include, at a minimum:**

- **Cleaning and properly disposing of all biosolids on the sand filters**
- **Bringing the sand filters to grade with clean fill material**
- **Collapsing all tanks and bring to grade with clean fill material**



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