OhioEPA
State of Ohio Environmental Protection Agency

Northwest District Office

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

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www.epa.ohio.gov

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

Re: Ashland County
Maverick Innovative Solutions
NPDES Permit

January 20, 2010

Mr. Bruce Price
Maverick Innovative Solutions
532 County Road 1600
Ashland, Ohio 44805

Dear Mr. Price:

On January 7, 2010, an inspection was made of the wastewater treatment facilities serving Maverick Innovative Solutions at 532 County Road 1600, Montgomery Township, Ashland County. At the time of the inspection the drive belt between the aeration blower and motor was broken. You contacted our office and stated the belt was replaced the day after the inspection.

Insulating panels have been placed over the openings to the aeration tank and clarifier. Please be sure that the operator checks under these panels and the blower housing everyday as part of his daily observations. If this had been done the broken belt would have been discovered prior to our visit. The sand filters appeared acceptable and a clear discharge was observed in the sampling station.

A review of the discharge monitoring reports submitted to our office for the months of July through December 2009, revealed numerous ***violations*** of the limits contained in your NPDES permit. A printout of these violations is enclosed for your review. While the number of violations is less than in similar periods, additional improvements may need to be made to the treatment system to achieve compliance.

If you have any questions please call me at 419-373-3070.

Sincerely

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: DSW-NWDO File
Lonnie McGhee, McGhee's TWSI

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00217

Facility Name Maverick Innovative Solutions Expiration Date 8/31/2010

Facility Address 532 CR 1600 Date 11/2/2010 Time 2:00 am / pm

City Ashland County Ashland Township Montgomery

Name and Address of Owner

Person Contacted Bruce Rice Owner Phone

Flow: Design 1500 GPD Present 500 - 1200 GPD (metered - estimated)

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp 27° snow

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream Name: Jerome Fork Mohican - 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 X good ____ fair ____ poor maintenance

d. Not operating at expected efficiency due to:

(1) ____ hydraulic overload
(2) ____ organic/ solids overload
(3) ____ personnel inefficiency
(4) X equipment failure - Blower belt
(5) ____ wastes
(6) ____

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

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

Yes No

4. X ____ Compliance with NPDES Permit

	Y	N	Parameters:
Periodic Violations	X	____	TSS, NH_3, BOD, Fecal
Chronic Violations	____	____	____

5. X ____ Adequate plant safety

6. X ____ Operation and Maintenance Service Name McGhee's TWST

Frequency of Visits 3/week

Facility Name: Maverick

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	✓	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	✓	Plant Timer ___ Y ✓ N	Cycle Time:
	✓	Motor/ Blower Unit running	Blower belt broken
Secondary Treatment	✓	Aeration Tank	Color :
			Adequate Aeration: Y ___ N ✓ - belt broken
Final Settling	✓	Clarifier	Okay
	✓	Sludge Return	In ___ Out ✓ belt broken
	✓	Surface Skimmer	In ___ Out ✓ belt broken
		Fixed Media Clarifier	
Tertiary Treatment	✓	Surface Sand Filter	east filter in use - okay
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	✓	Ultraviolet (UV)	
Flow Metering	✓	Elapsed Pump Time	on filter dosing
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	✓	Sand Filter Effluent Dosing	okay
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Maverick Innovative solutions NPDES permit limit violations July through December 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00217*AD	July 2009	001	31616	Fecal Coliform	30D Conc	1000	2700.	7/1/2009
2PR00217*AD	July 2009	001	31616	Fecal Coliform	1D Conc	2000	2700.	7/13/2009
2PR00217*AD	August 2009	001	00530	Total Suspended Solids	30D Conc	12	23.	8/1/2009
2PR00217*AD	August 2009	001	00530	Total Suspended Solids	30D Qty	0.0682	.12806	8/1/2009
2PR00217*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.21	8/1/2009
2PR00217*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.0056	.0123	8/1/2009
2PR00217*AD	August 2009	001	31616	Fecal Coliform	30D Conc	1000	20000.	8/1/2009
2PR00217*AD	August 2009	001	80082	CBOD 5 day	30D Conc	10	15.	8/1/2009
2PR00217*AD	August 2009	001	80082	CBOD 5 day	30D Qty	0.0568	.08352	8/1/2009
2PR00217*AD	August 2009	001	00530	Total Suspended Solids	1D Conc	18	23.	8/3/2009
2PR00217*AD	August 2009	001	00530	Total Suspended Solids	1D Qty	0.103	.12806	8/3/2009
2PR00217*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	2.21	8/3/2009
2PR00217*AD	August 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.0085	.0123	8/3/2009
2PR00217*AD	August 2009	001	31616	Fecal Coliform	1D Conc	2000	20000.	8/3/2009
2PR00217*AD	October 2009	001	00530	Total Suspended Solids	30D Conc	12	22.	10/1/2009
2PR00217*AD	October 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	8.15	10/1/2009
2PR00217*AD	October 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.0056	.012	10/1/2009
2PR00217*AD	October 2009	001	00530	Total Suspended Solids	1D Conc	18	22.	10/5/2009
2PR00217*AD	October 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	1.5	8.15	10/5/2009
2PR00217*AD	October 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.0085	.012	10/5/2009