



Environmental
Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Ashland County
Maverick Innovative Solutions
NPDES Permit

March 1, 2011

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

Dear Mr. Price:

On February 17, 2011, 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 aeration system was operating. A few concerns were noted as follows. A clear effluent was observed in the sampling chamber.

The return sludge line was not returning any sludge at the time of the inspection. While the valve to the air lift was open the return was not operational. It was observed that the operators log indicated that the aeration blower had been replaced on February 7th after being removed on February 2. It is possible that the valving will need to be adjusted further with the new blower.

A review of the discharge monitoring reports submitted to our office for the months of July 2010, through January 2011, revealed several **violations** of the limits contained in your NPDES permit. A printout of these violations is enclosed for your review. The operator's log was reviewed and found to be acceptable. A minimum of three months worth of log sheets should be kept at the treatment plant. This is required as part of OAC 3745-7-09.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: ~~DSW=NWDO w/enclosure~~
Lonnie McGhee, McGhee's TWSI w/enclosure

Get New Data

NPDES permit limit violations Maverick Innovative Solutions July 2010 through January 2011

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00217*AD	August 2010	001	31616	Fecal Coliform	1D Conc	2000	3300.	8/9/2010
2PR00217*BD	November 2010	001	80082	CBOD 5 day	30D Conc	10.0	13.2	11/1/2010
2PR00217*BD	January 2011	001	00530	Total Suspended Solids	30D Conc	12.0	37.8	1/1/2011
2PR00217*BD	January 2011	001	00530	Total Suspended Solids	7D Conc	18.0	37.8	1/1/2011
2PR00217*BD	January 2011	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	7.73	1/1/2011
2PR00217*BD	January 2011	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	7.73	1/1/2011
2PR00217*BD	January 2011	001	80082	CBOD 5 day	30D Conc	10.0	33.	1/1/2011
2PR00217*BD	January 2011	001	80082	CBOD 5 day	7D Conc	15.0	33.	1/1/2011

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 9/30/2015

Facility Address 532 CR 1600 Date 2/17/11 Time 2:00 am

City Ashland County Ashland Township _____

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 1500 GPD Present 200-600 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 50° clouds

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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: 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 _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent good _____ 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
_____	_____
_____	<input checked="" type="checkbox"/>
_____	_____

Chlorination Tablets
 Dechlorination Tablets
 U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, NH₃, COD

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name McGhee's TWSI

Frequency of Visits 3/week

Facility Name: Maverick Innovative

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	2	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	2	Plant Timer <u>Y</u> N Motor/ Blower Unit <i>running</i>	Cycle Time: <i>Blowers replaced on February 7</i>
Secondary Treatment	2	Aeration Tank	Color: <i>color weak</i> Adequate Aeration: <u>Y</u> N
Final Settling	2	Clarifier	<i>okay</i>
	2	Sludge Return	In ___ Out X <i>need to adjust valves</i>
	2	Surface Skimmer	In ___ Out X
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<i>both beds okay</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	2	Ultraviolet (UV)	<i>out</i>
Flow Metering	2	Elapsed Pump Time	<i>on filter dosing station</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	2	Post Aeration	<i>off</i>
		Spray Irrigation	
		Other	