



**Environmental
Protection Agency**

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

Re: Ashland County
Maverick Innovative Solutions
NPDES Permit

August 3, 2010

Mr. Bruce Price
Maverick Innovative Solutions
532 C.R. 1600
Ashland, Ohio 44805

Dear Mr. Price:

On July 20, 2010, an inspection was made of the wastewater treatment facilities serving Maverick Innovative Solutions at 532 C.R. 1600, Montgomery Township, Ashland County. At the time of the inspection the aeration system was operating in a satisfactory condition.

It was noted that the eastern sand filter bed needs to be weeded. It was also noted that the UV disinfection system did not appear to be functioning. No visible glow was observed within the chamber and the electrical plug did not appear to be plugged in. Please provide an update to our office on the condition of this unit.

A review of the discharge monitoring reports submitted to our office for the months of January through June 2010 revealed four **violations** of the limits contained in your NPDES permit. A printout of these violations is enclosed for your review. The number of violations has continued to diminish since McGhee's took over operation of the treatment plant.

Our office has completed drafting your renewal NPDES permit and it has been issued in draft form. Please look this draft permit over and contact our office with any questions or comments. If you have any questions please call me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/cs

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 7/20/10 Time 11:45 am pm

City Ashland County Ashland Township Montgomery

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 1500 GPD Present 300-500 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 80° sun

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	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	Black

2. Effect of effluent on Receiving Stream Name: Jerome Earle Mahican

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	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
2	Moderate	<input type="checkbox"/>	Light Solids	<input type="checkbox"/>	Musty	<input type="checkbox"/>	Grey
3	Serious	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
4	Extreme	<input type="checkbox"/>	Heavy Solids	<input type="checkbox"/>	Septic	<input type="checkbox"/>	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
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	<input checked="" type="checkbox"/> U.V. - <i>could not verify</i>
_____	<i>UV system condition</i>

Yes No

4. _____ Compliance with NPDES Permit

Periodic Violations Y _____ N Parameters: TSS, NH3

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	<input checked="" type="checkbox"/>	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> X N	Cycle Time:
		Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color</i> Adequate Aeration: Y X N <u> </u>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>good clarity</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <u> </u>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <u> </u> Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>Filters look okay</i> <i>East bed needs weeded</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	<input checked="" type="checkbox"/>	Ultraviolet (UV)	<i>could not verify UV unit</i> <i>was on</i>
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<i>on filter dosing pump</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Maverick Innovative Solutions NPDES permit limit violations January through June 2010

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00217*AD	February 2010	001	00530	Total Suspended Solids	30D Conc	12	12.8	2/1/2010
2PR00217*AD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	22.6	2/1/2010
2PR00217*AD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	22.6	2/2/2010
2PR00217*AD	June 2010	001	00530	Total Suspended Solids	30D Conc	12	14.5	6/1/2010