



**Environmental  
Protection Agency**

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

Re: Ashland County  
Maverick Innovative Solutions  
NPDES Permit

May 10, 2012

Mr. Keith Jackson  
Maverick Innovative Solutions  
532 County Road 1600  
Ashland, Ohio 44805

Dear Mr. Jackson:

On April 25, 2012, 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 clear effluent was observed in the sampling chamber. No major concerns with the treatment plant operations were noted.

A review of the discharge monitoring reports submitted to our office for the months of October 2011 through March 2012 revealed one **violation** of the limits contained in your NPDES permit. The **violation** was for exceeding the monthly CBOD limit in the November 2011 sample. Compliance is much improved since your previous inspection in September 2011.

The operator's log was reviewed and found to be acceptable. McGhee's Technical Water Service is visiting the treatment plant three times per week.

A completed copy of our inspection report is enclosed for your review. Please contact me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss, P.E.  
Environmental Specialist II  
Division of Surface Water

/jlm

Enclosure

pc: Lonnie McGhee, McGhee's TWSI  
ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00217

Facility Name Maverick Innovative Sol Expiration Date 9/30/2015

Facility Address 532 CR 1600 Date 4/25/12 Time 2:50 am (pm)

City Ashland County Ashland Township \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

Person Contacted \_\_\_\_\_ Owner Phone \_\_\_\_\_

Flow: Design 1500 GPD Present 150-1000 GPD (metered estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 65° 59°

OEPA Personnel Walter Aciss 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: Jerome Fork Mohican

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

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.

Yes No

4.  Compliance with NPDES Permit

Periodic Violations  Y \_\_\_\_\_ N CBOD Parameters: \_\_\_\_\_

Chronic Violations \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service Name McGhee's TWSI

Frequency of Visits 3/week

Facility Name: Maverick Innovative Solz

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: ? / Plant purged by A-1 Septic in March
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <u>Y</u> <u>X</u> N Motor/ Blower Unit <i>running</i>	Cycle Time:
Secondary Treatment	X	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> <u>X</u> N <u>  </u>
Final Settling	X	Clarifier	<i>good clarity</i>
	X	Sludge Return	In <u>X</u> Out <u>  </u>
	X	Surface Skimmer	In <u>  </u> Out <u>X</u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<i>west bed in use - hrer of sludge east bed clean + ready</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	<i>on</i>
Flow Metering	X	Elapsed Pump Time	<i>on filter dosing station</i>
		Recorder (continuous total)	
Pumps	X	<del>Raw Wastewater (type)</del> <i>effluent</i>	<i>-new pumps in April</i>
	X	Sand Filter Effluent Dosing	<i>2 pumps - okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	