



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

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www.epa.state.oh.us

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

Re: Ashland County
Maverick Innovative Solutions
NPDES Permit

September 8, 2008

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

Dear Mr. Beekman,

On August 21, 2008, 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 all major treatment components were operating and appeared to be functioning normally.

During our previous inspection we discussed the installation of an ultraviolet (UV) disinfection unit to replace the chlorine tablet feeders. We are aware that Jeff Lefever of J&L Associates has been contracted to prepare a Permit to Install (PTI) application for the installation of this unit. The PTI application should be submitted as soon as possible.

A review of the discharge monitoring reports submitted to our office for the months of March through July 2008 revealed numerous violations of the limits contained in your NPDES permit. Please refer to the attached printout for a listing of these violations. We remain concerned about the number of violations occurring at the facility. If the company's chosen course of action to remedy the violations is to install the UV system, the above mentioned PTI should be submitted as soon as possible.

During the inspection the outdoor sand blasting area was briefly discussed with your maintenance staff. Your facility has NPDES permit coverage under the Industrial Stormwater General Permit for the discharge of stormwater from your site. One of the requirements of the permit is to minimize the pollutants present in your stormwater. The area around the sand blasting booth had several large piles of sand that would be subject to runoff from stormwater. An uncovered storage area was also observed that is used for the spent sand until it is sent offsite for disposal. Better housekeeping is needed to clean up the sand around the booth and the storage area should be covered to prevent stormwater contamination.

Our completed inspection report is enclosed with this letter. If you have any questions please call me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb
Enclosed

pc: DSW: NWDO

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2P000217

Facility Name Claverick Innovative Solutions Expiration Date 8/31/2010
 Facility Address 532 CR 1600 Date 8/2/08 Time 2:00 am
 City Ashland County Ashland Township _____
 Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 1500 GPD Present ~400 GPD (metered - estimated)

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

OEPA Personnel Walter Ar. 's 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 - 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
<input checked="" type="checkbox"/>	_____ Dechlorination Tablets
_____	_____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations NH₃, BOD, TSS

5. Adequate plant safety

6. Operation and Maintenance Service Name Chem Tech

Frequency of Visits 1/week?

Facility Name: Maverick Innovative Solutions

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> <input checked="" type="checkbox"/> N Motor/ Blower Unit <i>running</i>	Cycle Time:
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>color slightly weak</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	<input checked="" type="checkbox"/>	Clarifier	<i>Sludge behind clarifier buffer should be pumped out</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>Filters fairly clean, no weeds</i>
		Polishing Pond	
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube Feeder	<i>have tablets</i>
	<input checked="" type="checkbox"/>	Dechlorination Tube Feeder	<i>have tablets</i>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	<i>on dosing station</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		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	

NPDES Permit limit violations March through July 2008

Maverick Innovative Solutions

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00217*AD	March 2008	001	00530	Total Suspended Solids	30D Conc	12	28.7	3/1/2008
2PR00217*AD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	52.8	3/1/2008
2PR00217*AD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0171	.06995	3/1/2008
2PR00217*AD	March 2008	001	80082	CBOD 5 day	30D Conc	10	13.2	3/1/2008
2PR00217*AD	March 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	4.1	3/14/2008
2PR00217*AD	March 2008	001	00530	Total Suspended Solids	1D Conc	18	28.7	3/19/2008
2PR00217*AD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	52.8	3/19/2008
2PR00217*AD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.0256	.06995	3/19/2008
2PR00217*AD	April 2008	001	00530	Total Suspended Solids	30D Conc	12	16.7	4/1/2008
2PR00217*AD	April 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	71.1	4/1/2008
2PR00217*AD	April 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0171	.09419	4/1/2008
2PR00217*AD	April 2008	001	80082	CBOD 5 day	30D Conc	10	28.8	4/1/2008
2PR00217*AD	April 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	71.1	4/22/2008
2PR00217*AD	April 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.0256	.09419	4/22/2008
2PR00217*AD	April 2008	001	80082	CBOD 5 day	1D Conc	15	28.8	4/22/2008
2PR00217*AD	May 2008	001	00530	Total Suspended Solids	30D Conc	12	34.	5/1/2008
2PR00217*AD	May 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	19.7	5/1/2008
2PR00217*AD	May 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.0056	.0261	5/1/2008
2PR00217*AD	May 2008	001	31616	Fecal Coliform	30D Conc	1000	3500.	5/1/2008
2PR00217*AD	May 2008	001	80082	CBOD 5 day	30D Conc	10	48.	5/1/2008
2PR00217*AD	May 2008	001	80082	CBOD 5 day	30D Qty	0.0568	.06359	5/1/2008
2PR00217*AD	May 2008	001	00530	Total Suspended Solids	1D Conc	18	34.	5/5/2008
2PR00217*AD	May 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	19.7	5/5/2008
2PR00217*AD	May 2008	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.0085	.0261	5/5/2008
2PR00217*AD	May 2008	001	31616	Fecal Coliform	1D Conc	2000	3500.	5/5/2008
2PR00217*AD	May 2008	001	80082	CBOD 5 day	1D Conc	15	48.	5/5/2008
2PR00217*AD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.7	5/5/2008
2PR00217*AD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.22	5/19/2008
2PR00217*AD	June 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.07	6/4/2008
2PR00217*AD	June 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.34	6/13/2008
2PR00217*AD	July 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.07	7/4/2008
2PR00217*AD	July 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.34	7/13/2008