



State of Ohio Environmental Protection Agency

Northwest District Office

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

June 25, 2007

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

Dear Mr. Beekman:

On June 21, 2007, 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 all major treatment components were operating and appeared to be functioning normally.

During the inspection it was observed that a pump run meter had been installed on the sand filter dosing station in order to measure the flow. Sand had also been added to the filter beds and they appeared fairly level. The chlorine tank was very murky. This may be due to "fines" washing out of the new sand in the filter beds. It may be worthwhile to pump the chlorine tank out and return the water through the plant so the tank can remain clean. It was also observed that an air filter is not present on the blower to the aeration tank. The lack of filter will allow dust and dirt to enter the blower and cause failure. A filter should be installed immediately.

A review of the monthly operating reports submitted for the time period of June 2006, through April 2007, revealed several violations of the limits contained in your NPDES permit. Two of these violations were for not meeting the Dissolved Oxygen limit. We recommend that an air line be run to the chlorine tank to provide for post aeration. This can be accomplished with a small diameter PVC tube run off the same blower that runs the aeration tank.

We are pleased to see that some improvements have been made at the treatment plant. However it is evident that a few items remain in order to assure the plant runs in a manner in which it can consistently meet the limits of the NPDES permit.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

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Enclosure

pc: DSW-NWDO File

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

NPDES Permit No. 2 PR00217

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

Facility Address 522 CR 1600 Date 6/2/07 Time 1:00 am pm

City Ashland County Ashland Township _____

Name and Address of Owner _____

Person Contacted _____ Owner Phone _____

Flow: Design 1,500 GPD Present 2300 GPD (metered - estimated)

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

OEPA Personnel Walter Aiciss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild	<input checked="" type="checkbox"/>					
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Jacome Fork Hibernia - 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"/>	<input checked="" type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	U.V.

could not confirm tablets present. Tank locked.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: NH₃, TSS, DO

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name Cher Tech

Frequency of Visits 1/week

Facility Name: Mercede Franchise Solutions

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	8	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	8	Plant Timer <u>Y</u> N Motor/ Blower Unit <i>running</i>	Cycle Time <i>needs air filter</i>
Secondary Treatment	8	Aeration Tank	Color: <i>okay</i> Adequate Aeration: <u>Y</u> N
Final Settling	8	Clarifier	<i>needs an effluent weir</i>
	8	Sludge Return	In <u>8</u> Out <u> </u>
	8	Surface Skimmer	In <u>8</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment	8	Surface Sand Filter	<i>new sand recently added</i>
		Polishing Pond	
		Other	
Disinfection	8	Chlorine Tube Feeder	
	8	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	8	Elapsed Pump Time	<i>on filter dosing station</i>
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	8	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	