



State of Ohio Environmental Protection Agency

**Northwest District Office**

347 North Dunbridge Road  
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468  
www.epa.state.oh.us

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

Re: Henry County  
Deshler WWTP  
NPDES Permit

May 8, 2008

Mayor and Council  
Village of Deshler  
101 East Main Street  
Deshler, Ohio 43516

Dear Mayor and Council:

On April 10, 2008, Tanushree Courlas conducted an inspection of the Deshler Wastewater Treatment Plant (WWTP). Mr. Mike Spurgeon was present and provided operation and maintenance information. The inspection included a tour of the wastewater treatment facility.

Since the last permit issuance, there have not been any significant permit exceedences; however, there have been numerous frequency violations. **Please discuss these violations with Mr. Spurgeon and respond in writing within 30 days of the date on this letter informing our office of the reasons for these violations.**

During our visit, there was a clear discharge to Brush Creek. No samples were taken to verify compliance with permit limits. This is a controlled discharge lagoon system and the wastewater is only allowed to discharge during high flow events that provide a 5:1 dilution of the wastewater with stream flow. The unintended flow at the time of inspection was due to repairs needed on the sluice gate. Your National Pollutant Discharge Elimination System (NPDES) permit included a compliance schedule to complete this repair, because it has not been addressed, you are in violation of the NPDES permit. Also, according to your permit compliance monitoring is required when discharging; therefore **sampling and reporting are required any time the lagoons are discharging to Brush Creek.**

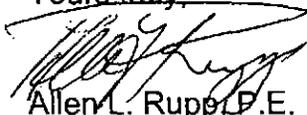
To reduce the sludge in the lagoons, you have contracted Industrial Fluid Management (IFM) to evaluate and remediate the sludge. According to the 2007 report from IFM, your sludge blanket reduced by 8 inches during the warmer months last year. No sludge has been removed from the lagoons since they were placed in operation.

Mayor and Council  
May 8, 2008  
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Mr. Spurgeon stated that all but two combined sewer overflows have been eliminated. The Village is waiting to eliminate the last two once the remaining residents are connected to the collection system. When this is completed, please contact Dana Martin-Hayden of this office to set up a final inspection of the separation project. We appreciate your diligence in the sewer separation project. Your actions should improve the water quality of Brush Creek.

We appreciate your cooperation during our visit. If you have any questions, please call Tanushree (Nush) Courlas at (419) 373-3053.

Yours truly,



Allen L. Rupp, P.E.  
District Engineer/Section Manager  
Division of Surface Water

/lir

Enclosure

pc: Dan Gill, CO-DSW  
(DSW-NWDO-File (with enclosure) \_\_\_\_\_)

## NPDES COMPLIANCE INSPECTION REPORT

### Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PC00002</u>	<u>OH0022471</u>	<u>08/04/10</u>	<u>C</u>	<u>S</u>	<u>2</u>

### Section B: Facility Data

<b>Name and Location of Facility Inspected</b>	<b>Entry Time</b>	<b>Permit Effective Date</b>
East of CR 1 Deshler, Ohio	1 PM	04/01/2007
	<b>Exit Time</b>	<b>Permit Expiration Date</b>
	2:30 PM	03/31/2012

<b>Name(s) and Title(s) of On-Site Representative(s)</b>	<b>Phone Number(s)</b>
Mike Spurgeon, Superintendent of Maintenance	419-278-2055

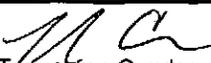
<b>Name, Address and Title of Responsible Official</b>	<b>Phone Number</b>
Mayor and Council 101 E. Main Street Deshler, Ohio 43516	419-278-2055

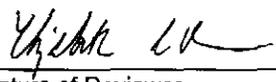
### Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>M</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>N</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u>  </u> Other
<u>S</u> Collection System		

### Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

Sludge is currently being evaluated by IFM. Sludge build-up is being controlled with bacteria addition. Last two CSOs are being removed once the entire village is connected to the collection system.

 Tanushree Courlas	5-6-08	Ohio EPA, Northwest District Office
Name(s) and Signature(s) of Inspector(s)	Date	

 Elizabeth Wick	5/2/08	Ohio EPA, Northwest District Office
Name and Signature of Reviewer	Date	

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings		
	Potable Water Supply Protection		
	Safety Features		
	Bypasses		
	Stormwater Overflows		
	Alternate Power Source		
Preliminary	Maintenance of Collection	S	
	Pump Station	IN	
	Ventilation		
	Bar Screen		
	Disposal of Screenings		
	Comminutor		
	Grit Chamber		
	Disposal of Grit		
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal	<del>S</del>	
	Effluent		
Sludge Disposal	Digesters		
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps		
	Drying Beds		
	Vacuum Filter		
	Disposal of Sludge		
Other	Flow Meter and Recorder		
	Records	S	
	Lab Controls		
	Lagoons	IN	Sluice gate needs to be repaired to prevent continuous discharge from the controlled discharge lagoons. 2 LAGOONS IN SERIES.
Secondary-Tertiary List items as	Trickling Filter		
	Trickling Filter Pump Station		
	Sand Filters		
	Dosing Chamber		
	Extended Aeration		
Disinfection	Effluent		
	Disinfection System		
	Effective Dosage		
	Contact Time		
	Contact Tank		
	Dechlorination		

**Frequency Violations from September 2006 to April 2008**

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/01/2007
April 2007	001	00400	pH	1/Day	1	0	04/01/2007
April 2007	001	00530	Total Suspended Solids	2/Week	2	0	04/01/2007
April 2007	001	00610	Nitrogen, Ammonia (NH3)	2/Week	2	0	04/01/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/01/2007
April 2007	001	80082	CBOD 5 day	2/Week	2	0	04/01/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/02/2007
April 2007	001	00400	pH	1/Day	1	0	04/02/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/02/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/03/2007
April 2007	001	00400	pH	1/Day	1	0	04/03/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/03/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/04/2007
April 2007	001	00400	pH	1/Day	1	0	04/04/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/04/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/05/2007
April 2007	001	00400	pH	1/Day	1	0	04/05/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/05/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/06/2007
April 2007	001	00400	pH	1/Day	1	0	04/06/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/06/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/07/2007
April 2007	001	00400	pH	1/Day	1	0	04/07/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/07/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/08/2007
April 2007	001	00400	pH	1/Day	1	0	04/08/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/08/2007
April 2007	001	00300	Dissolved Oxygen	1/Day	1	0	04/09/2007
April 2007	001	00400	pH	1/Day	1	0	04/09/2007
April 2007	001	50050	Flow Rate	1/Day	1	0	04/09/2007
April 2007	001	80082	CBOD 5 day	2/Week	2	1	04/15/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/05/2007
May 2007	001	00400	pH	1/Day	1	0	05/05/2007
May 2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/05/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/06/2007
May 2007	001	00400	pH	1/Day	1	0	05/06/2007
May 2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/06/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/12/2007
May 2007	001	00400	pH	1/Day	1	0	05/12/2007
May 2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/12/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/13/2007
May 2007	001	00400	pH	1/Day	1	0	05/13/2007
May 2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/13/2007
May 2007	001	80082	CBOD 5 day	2/Week	2	1	05/15/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/19/2007
May 2007	001	00400	pH	1/Day	1	0	05/19/2007
May 2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/19/2007
May 2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/20/2007

May	2007	001	00400	pH	1/Day	1	0	05/20/2007
May	2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/20/2007
May	2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/24/2007
May	2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/26/2007
May	2007	001	00400	pH	1/Day	1	0	05/26/2007
May	2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/26/2007
May	2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/27/2007
May	2007	001	00400	pH	1/Day	1	0	05/27/2007
May	2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/27/2007
May	2007	001	00300	Dissolved Oxygen	1/Day	1	0	05/28/2007
May	2007	001	00400	pH	1/Day	1	0	05/28/2007
May	2007	001	50060	Chlorine, Total Residu	1/Day	1	0	05/28/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/03/2007
November	2007	001	00400	pH	1/Day	1	0	11/03/2007
November	2007	001	50050	Flow Rate	1/Day	1	0	11/03/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/04/2007
November	2007	001	00400	pH	1/Day	1	0	11/04/2007
November	2007	001	50050	Flow Rate	1/Day	1	0	11/04/2007
November	2007	001	00530	Total Suspended Solids	2/Week	2	1	11/08/2007
November	2007	001	80082	CBOD 5 day	2/Week	2	1	11/08/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/09/2007
November	2007	001	00400	pH	1/Day	1	0	11/09/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/10/2007
November	2007	001	00400	pH	1/Day	1	0	11/10/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/17/2007
November	2007	001	00400	pH	1/Day	1	0	11/17/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/18/2007
November	2007	001	00400	pH	1/Day	1	0	11/18/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/22/2007
November	2007	001	00400	pH	1/Day	1	0	11/22/2007
November	2007	001	00530	Total Suspended Solids	2/Week	2	0	11/22/2007
November	2007	001	00610	Nitrogen, Ammonia (NH3	2/Week	2	1	11/22/2007
November	2007	001	80082	CBOD 5 day	2/Week	2	0	11/22/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/23/2007
November	2007	001	00400	pH	1/Day	1	0	11/23/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/24/2007
November	2007	001	00400	pH	1/Day	1	0	11/24/2007
November	2007	001	00300	Dissolved Oxygen	1/Day	1	0	11/25/2007
November	2007	001	00400	pH	1/Day	1	0	11/25/2007
December	2007	001	00530	Total Suspended Solids	2/Week	2	1	12/15/2007
December	2007	001	00530	Total Suspended Solids	2/Week	2	1	12/22/2007
December	2007	001	00610	Nitrogen, Ammonia (NH3	2/Week	2	1	12/22/2007
December	2007	001	80082	CBOD 5 day	2/Week	2	1	12/22/2007
February	2008	001	00610	Nitrogen, Ammonia (NH3	2/Week	2	1	02/15/2008
February	2008	001	00530	Total Suspended Solids	2/Week	2	1	02/22/2008
February	2008	001	00610	Nitrogen, Ammonia (NH3	2/Week	2	1	02/22/2008
March	2008	001	00530	Total Suspended Solids	2/Week	2	1	03/22/2008
March	2008	001	80082	CBOD 5 day	2/Week	2	1	03/22/2008
November	2006	601	00530	Total Suspended Solids	2/Week	2	1	11/22/2006
November	2006	601	80082	CBOD 5 day	2/Week	2	1	11/22/2006
February	2007	601	00530	Total Suspended Solids	2/Week	2	1	02/22/2007
February	2007	601	80082	CBOD 5 day	2/Week	2	1	02/22/2007

September 2007	601	00530	Total Suspended Solids	2/Week	2	1	09/22/2007
September 2007	601	80082	CBOD 5 day	2/Week	2	1	09/22/2007
November 2007	601	00530	Total Suspended Solids	2/Week	2	0	11/22/2007
November 2007	601	80082	CBOD 5 day	2/Week	2	0	11/22/2007
December 2007	601	80082	CBOD 5 day	2/Week	2	1	12/22/2007
March 2008	601	00530	Total Suspended Solids	2/Week	2	1	03/22/2008
March 2008	601	80082	CBOD 5 day	2/Week	2	1	03/22/2008