



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

Re: Richland County  
Richland County Board of Commissioners  
NPDES Permits

December 28, 2012

Mr. Richard Freeman  
1740 Fleming Falls Road  
Mansfield, Ohio 44903

Dear Mr. Freeman:

On December 6, 2012, inspections were conducted at several of the wastewater treatment plants (WWTPs) owned and operated by the Richland County Commissioners. Lynn Miller and you were present to answer questions and provide a tour of the different facilities. The facilities that were inspected included the Lust Subdivision, Harp Subdivision, Country Meadows Subdivision, and Dayspring Care Facility.

The inspections at Lust and Country Meadows were in response to a request by the County to terminate the National Pollutant Discharge Elimination System (NPDES) permits for these facilities. The treatment plants at both locations have been taken offline and all wastewater is now pumped to the City of Shelby sanitary sewer system for treatment. The former treatment plant at Country Meadows has been completely demolished and backfilled. The plant at Lust has yet to be demolished but is no longer discharging. Demolition should be complete in the near future. Our office will begin the process to terminate the NPDES permits for these facilities. You will receive confirmation of the termination from our office in the near future.

During the inspection at the Dayspring Care Facility, the plant was in operation and functioning. The sand filter beds were both clean. A clear effluent was being discharged to the receiving stream. This plant continues to perform extremely well. A small leak in the south filter bed wall seam was evident. This leak should be repaired.

During the inspection at Harp Subdivision, all major treatment components were in operation and functioning. The color of the aeration tanks was a healthy chocolate brown. One of the sand filter beds was in use. A relatively clear effluent was being discharged to the receiving stream. It was noted that the block wall between two filter beds had failed and crumbled into the lower sand bed. Only four of the six sand beds are available for use due to the failed wall. This plant is schedule for abandonment in early 2013. The treatment plant shall continue to be operated in the best manner possible until the abandonment can be completed.

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The discharge monitoring reports for Dayspring and Harp were reviewed for the period of March through November 2012. Dayspring had one **violation** for not meeting the minimum dissolved oxygen in the effluent in the June 26, 2012, sample. Harp had several **violations**. A printout of the limit **violations** for Harp is enclosed for your review. Failure to meet the limits contained in the NPDES permit is a **violation** of the conditions in the permit. The Harp permit also contains a compliance schedule to abandon the treatment plant. Ohio EPA has approved a Permit to Install (PTI) for construction of a lift station to the City of Mansfield sanitary sewer system. The Commissioners are encouraged to move forward with this project as soon as possible in order to avoid enforcement action as a result of failure to meet the compliance milestones and effluent limitations.

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

Sincerely,



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

/jlm

Enclosures

pc: Richland County Commissioners

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PG00075

Facility Name Harp Subdivision Expiration Date 7/31/14

Facility Address Frontier Trail Date 12/6/12 Time 12:00 am (pm)

City Mansfield County Richland Township \_\_\_\_\_

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

Person Contacted Rick Freeman Owner Phone \_\_\_\_\_

Flow: Design 40,000 GPD Present \_\_\_\_\_ GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 40° clouds

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						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: impaired trib Rocky Fork

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	
_____	<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: CRP, chlorine, NH3  
 Chronic Violations  Y \_\_\_\_\_ N \_\_\_\_\_ compliance schedule, TSS

5.  Adequate plant safety

6.  Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Harp WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
	X	Comminutor	In service
		Flow Equalization	
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
	X	Motor/ Blower Unit <i>running</i>	Blowers okay
Secondary Treatment	X	Aeration Tank	Color: <i>color okay</i> Adequate Aeration: Y <u>X</u> N
Final Settling	X	Clarifier	<i>Satisfactory clarity - can see several inches down</i>
	X	Sludge Return	In <u>X</u> Out <u>   </u>
	X	Surface Skimmer	In <u>X</u> Out <u>   </u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter <i>two beds cannot be used failed</i>	<i>2 sets full of sludge due to washout 2 beds in use</i>
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	<i>out</i>
	X	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PG00074

Facility Name Day Spring Home Expiration Date 7/31/14

Facility Address 3220 Olmsted Rd Date 12/6/12 Time 11:20 am

City Mansfield County Richland Township \_\_\_\_\_

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

Person Contacted Rick Freeman Owner Phone \_\_\_\_\_

Flow: Design 9000 GPD Present 2,000 - 5,000 GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 40° 54°

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						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: unmarked trib Brubaker Creek

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
_____	<input checked="" type="checkbox"/>
_____	<input checked="" type="checkbox"/>
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	U.V.

Yes No

4.  \_\_\_\_\_ Compliance with NPDES Permit- \_\_\_\_\_

Periodic Violations  \_\_\_\_\_ Parameters: \_\_\_\_\_  
 Chronic Violations  \_\_\_\_\_

5.  \_\_\_\_\_ Adequate plant safety

6.  \_\_\_\_\_ Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Dayspring

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <i>1/2 months</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	<i>okay</i>
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
	X	Motor/ Blower Unit <i>running</i>	<i>blowers okay</i>
Secondary Treatment		Aeration Tank	Color: <i>good color</i> Adequate Aeration: Y <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>X</u> Out <u>    </u>
	X	Fixed Media Clarifier	<i>both in use</i>
Tertiary Treatment	X	Surface Sand Filter	<i>switching from south to north bed</i>
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	<i>out</i>
	X	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<i>on filter dosing</i>
		Recorder (continuous total)	
Pumps	X	<del>Raw Wastewater (type)</del> <i>Flow EQ</i>	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>1/2 full, air on</i>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	

[Get New Data](#)

## Harp WWTP NPDES permit limit violations March through November 2012

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00075*ED	March 2012	001	80082	CBOD 5 day	7D Qty	2.3	2.6104	3/8/2012
2PG00075*ED	March 2012	001	00530	Total Suspended Solids	7D Qty	2.7	3.31112	3/15/2012
2PG00075*ED	May 2012	001	00530	Total Suspended Solids	7D Qty	2.7	4.14836	5/8/2012
2PG00075*ED	May 2012	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.36	.40084	5/8/2012
2PG00075*ED	May 2012	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	5/15/2012
2PG00075*ED	September 2012	001	50060	Chlorine, Total Residu	1D Conc	0.038	.05	9/5/2012