



**Environmental  
Protection Agency**

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director



\*1PG0010120100702\*

SHELBY

HICKORY DELL ESTATES WWTP

LEIBFRITZ, SANDRA 2010/07/02

**Environmental  
Protection Agency**

Robert Taft, Governor  
Lee Fisher, Lt. Governor  
Cheryl Korfusik, Director

July 1, 2010

John Bruns  
Shelby County Sewer District  
3475 Canal Road #1  
Minster, Ohio 45865

**CERTIFIED LETTER**

**RE: Hickory Dell WWTP- NPDES No. 1PG00101\*BD/OH0127205  
Compliance Evaluation Inspection – Shelby County  
Notice of Violation**

Dear Mr. Bruns:

On June 17, 2010, Sandra Leibfritz conducted an inspection at Hickory Dell WWTP located at 14212 Charm Hill Drive, Sidney, Ohio. You were representing the facility. Details of the inspection may be found in the enclosed inspection report.

During the inspection, you informed Ms. Leibfritz that an automatic valve was installed to bypass the sand filters during high flow events. You also reported that an I/I investigation was conducted several years ago, but no significant sources of I/I were identified.

The bypass of sand filters is prohibited and is in violation of Part III, Item 11 (Unauthorized Discharges). SCSD has not made the demonstration that there were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of downtime. This condition is not satisfied if adequate back up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance.

No later than August 27, 2010, please inform this office, in writing, a description of the actions taken or proposed to prevent any further violations. Your response should include the dates, either actual or proposed, for completion of the actions.

Mr. Bruns  
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If you should have any questions about the inspection, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Sincerely,

A handwritten signature in black ink, appearing to read "Martyn G. Burt". The signature is written in a cursive style with a large initial "M".

Martyn G. Burt  
Environmental Supervisor  
Division of Surface Water

cc: Shelby County Health Department

Permit #: 1PG00101\*BD  
 NPDES #: OH0127205



State of Ohio Environmental Protection Agency  
 Southwest District Office

NPDES Compliance Inspection Report  
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PG00101*BD	OH0127205	06/17/2010	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Hickory Dell Estates WWTP 14212 Charm Hill Drive Sidney, OH	10:00 a.m.	October 1, 2005
	Exit Time	Permit Expiration Date
	11:15 a.m.	September 30, 2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
John Bruns, Director	(419) 628-3411	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
John Bruns, Director	(419) 628-3411	
Name, Address and Title of Responsible Official	Phone Number	
John Bruns, Director of Shelby County Sewer District 3475 Canal Road #1 Minister, OH 45865	(419) 628-3411	

Ohio EPA Inspector	Ohio EPA Reviewer
<i>Sandra D. Leibfritz</i> 7/1/2010 Date	<i>Martyn G. Burt</i> 7/2/10 Date
Sandra D. Leibfritz Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

**Secondary Treatment  
 (Aeration)**

Color of sludge: **Medium Brown**  
 Quality of Sludge: **Medium**  
 Foam: **Light (white)**  
 Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Condition of grating: good		

Maintenance of aerating equipment is... **Satisfactory**

**Comments/Status:**

There are two blowers to the aeration tanks. Both were reported as operational. Both RAS lines were returning brown solids. The skimmer line was returning clear wastewater. The blowers are alternated manually. The blower is operated 24 hours/7 days a week.

**Secondary Treatment  
 (Settling)**

Clarity: **Clear**  
 Condition of Weir: **Excessive Algae/Solids Build Up**  
 Weir is level: **Yes**  
 Effluent in weir: **Light Solids**  
 Clarifier walls need scraped: **No**

Overall maintenance of settling components is: **Satisfactory**

**Comments/Status:**

The clarifier walls are scraped weekly.

**Tertiary Treatment**

	Yes	No		Yes	No
<b>Slow Surface Sand Filters:</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<b>Rapid Gravity Filters</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Beds alternated	<input type="checkbox"/>	<input type="checkbox"/>	Dosing Chamber	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Beds raked	<input type="checkbox"/>	<input type="checkbox"/>	2 pumps operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Subsurface Sand Filters</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Visual alarm operational	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

The pumps in the dosing chamber are automatically alternated. The uv bulb was replaced in April. Post-aeration was occurring.

**Sludge Handling/Storage Disposal**

Hauler name: Mike's Sanitation  
 Disposal Site: Lake Loramie WWTP  
 Sludge wasted from: Sludge Holding Tank  
 How often is sludge wasted: 1-2 times a month

Sludge drying beds: **No**                      Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

Sludge from the holding tank is pumped to the aeration tanks after high flows.

**Plant Discharge**

Discharge point is a: **Stream**  
 Name of discharge point: **Tributary of Brush Creek**  
 Discharge is visible: **Yes**  
 Quality of Effluent: **Clear**

Overall quality of effluent/receiving stream: **Satisfactory**

**Comments/Status:**

**EFFLUENT LIMIT VIOLATIONS**  
(Period of Review: February 2010 through May 2010)

7D = Weekly    30D = Monthly    1D = Daily    Conc. = Concentration (mg/l)    Qty. = Quantity (Kg/Day)

**Hickory Dell WWTP**  
**Final Effluent Limitation Violations For Outfall 001**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2010	Total Suspended Solids	30D Conc	12.0	18.	3/1/2010
March 2010	Total Suspended Solids	30D Qty	0.9	2.12225	3/1/2010
March 2010	Total Suspended Solids	7D Qty	1.4	2.12225	3/15/2010

Note: SCSD provided Noncompliance Notification (letter dated April 19, 2010)