



**Environmental
Protection Agency**

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



1PX0005920101004

BROWN

LOCUST RIDGE NURSING HOME INC

JACKSON, JOSHUA 2010/10/04

Locust Ridge Nursing Home
Corresp.

**Environment
Protection Agency**

Rep. Strickland, Governor
Lee Fisher, Lt. Governor
Chris Kolesak, Director

October 4, 2010

Locust Ridge Nursing Home
Attn: Mr. Howard Meeker
12745 Elm Corner Road
Williamsburg, OH 45176

**RE: Notice of Violation
Locust Ridge Nursing Home WWTW/ Compliance Evaluation Inspection
NPDES Permit No. OH0137537/OEPA PERMIT NO. 1PX00059*AD**

Dear Mr. Meeker:

On September 29, 2010, I conducted an NPDES Compliance Evaluation Inspection at the Locust Ridge Nursing Home wastewater treatment works (WWTW). Mr. John Van Harlingen (operator of record-The H₂O Company) and Jim Parlier (nursing home maintenance) represented the facility during the inspection.

The WWTW is performing much better since the inspection conducted in 2009, however there have still been several effluent limit violations in 2010 (as shown in the attached report). Locust Ridge Nursing Home has submitted detailed plans for the upgrade of the WWTW and Ohio EPA has provided comments to the engineer. Once approved, the upgrade is required to be completed by June 2011. Judging by the scope of the work, it should be completed much earlier than that.

During construction, Locust Ridge Nursing Home shall do everything possible to achieve compliance with the NPDES permit. During the inspection, Mr. Parlier stated that a seepage hauler will be contracted to haul 2-3 loads of sewage a day so there is no discharge from the WWTW.

Thank you and your staff for the time extended during the inspection process. If you have any questions, please feel free to contact me by phone at (937) 285-6029 or by e-mail at joshua.jackson@epa.state.oh.us.

Respectfully,



Joshua Jackson
Environmental Specialist 2
Division of Surface Water

Cc: John Van Harlingen, The H₂O Company

Enclosures

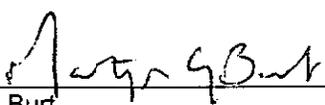


State of Ohio Environmental Protection Agency
Southwest District Office

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
1PX00059*AD	OH0137537	9/29/2010	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Locust Ridge Nursing Home WWTW 12745 Elm Corner Road Pike Township, Brown County	11:40 a.m.	7/1/2006
	Exit Time	Permit Expiration Date
	12:40 p.m.	6/30/2011
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Jim Parlier, Maintenance		937-444-2920
Name(s), Address and Title(s) of Operator of Record		Phone Number(s)
John VanHarlingen, The H2O Company		937-827-3295
Name, Address and Title of Responsible Official		Phone Number
Howard Meeker, Owner Locust Ridge Nursing Home 12745 Elm Corner Road Williamsburg, OH 45176		937-444-2920

Ohio EPA Inspector	Ohio EPA Reviewer
	
Date: 10-4-2010	Date: 10/4/2010
Joshua Jackson Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Permit # : 1PX00059*A
 NPDES # : OH0137537

Average Daily Design Flow:	16,000 Gallons/Day
Plant Serves:	100 bed nursing home (currently at 60 beds)
Average Daily Flow: (Period of Review):	4,100 Gallons/Day (January 2010-August 2010)
Method of flow monitoring:	Water meter readings taken monthly
Type of alarms for plant:	

Pretreatment

Type of Pretreatment: **Trash Trap**
 Does the Trash Trap need pumped: **No**
 Maintenance of pretreatment components is: **Fair**

Comments/Status:

Trash trap was pumped out on 9/28/2010

**Secondary Treatment
(Aeration)**

Color of sludge: **Medium Brown**
 Quality of Sludge: **Medium**
 Foam: **None present**
 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	<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 type="checkbox"/>	<input checked="" type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Fair**

Comments/Status:

small amount of solids going over the weir .

**Secondary Treatment
(Settling)**

Clarity: **Solids Present**
 Condition of Weir: **Rusted with no teeth**
 Weir is level: **Yes**
 Effluent in weir: **Light Solids**

Clarifier walls need scraped: **No**

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

Comments/Status:

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Good**

Comments/Status:

Water that was ponded on the sand filter had a strong chlorine odor. The tablets are added in the dosing chamber in a way so that the tablets sit in the water creating a higher concentration of chlorine. The sand filters were in much better shape when compared to the previous inspection. The filter in use had been raked and needed only to be leveled. Staff were about to switch to that filter. The filter in use was ponded and did contain algae.

Sludge Handling/Storage Disposal

Hauler name: **Barber Septic**
 Disposal Site: **Maysville WWTW**
 Sludge wasted from: **Aeration Tank**
 How often is sludge wasted: **It has been three months.**
 Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of components is: **Fair**

Plant Discharge

Discharge point is a: **Light Run (via overland flow through a cow pasture)**
 Discharge is visible: **Yes** Quality of Effluent: **Clear**

Comments/Status:

Inspection Findings

EFFLUENT LIMIT VIOLATIONS (Period of Review: January 2010 – August 2010)

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value
February 2010	Total Suspended Solids	30D Conc	12	30.
February 2010	Total Suspended Solids	7D Conc	18	30.
February 2010	CBOD 5 day	30D Conc	10	12.2
February 2010	Dissolved Oxygen	1D Conc	6.0	.1
March 2010	Total Suspended Solids	30D Conc	12	14.
April 2010	Total Suspended Solids	30D Conc	12	18.
April 2010	Nitrogen, Ammonia (NH3)	30D Conc	3.0	8.89
April 2010	Nitrogen, Ammonia (NH3)	7D Conc	4.5	8.89
May 2010	Nitrogen, Ammonia (NH3)	30D Conc	1.0	7.96
May 2010	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.96
May 2010	Nitrogen, Ammonia (NH3)	30D Qty	0.0606	.12473
May 2010	Nitrogen, Ammonia (NH3)	7D Qty	0.0909	.12473
May 2010	Chlorine, Total Residu	1D Conc	0.019	.44
June 2010	Total Suspended Solids	30D Conc	12	18.
August 2010	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.68
August 2010	Nitrogen, Ammonia (NH3)	7D Conc	1.5	1.68
August 2010	Chlorine, Total Residu	1D Conc	0.019	.07
August 2010	Chlorine, Total Residu	1D Conc	0.019	.11
August 2010	Dissolved Oxygen	1D Conc	6.0	4.4

Mr. Van Harlingen (Operator of Record) submitted self-notification reports for all the violation months shown above.

At the time of the inspection, Ohio EPA had received plans for the upgrade of the WWTW (required by the current NPDES permit). Initial comments have been submitted to the engineer.

Please note that daily flow readings must be taken (not a monthly average) and reported with the exception of weekend and holidays, which is defined in the NPDES permit for Locust Ridge Nursing Home.

