



State of Ohio Environmental Protection Agency

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\*1PV0009320080307\*

HIGHLAND COUNTRY HOME MOBILE COURT \*

JACKSON, JOSHUA 2008/03/07



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street  
Dayton, Ohio 45402-2911

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

March 7, 2008

Corresp.

Country Home Mobile Court & Campground  
Attn: Mr. Jim Spargur  
7300 SR 753  
Hillsboro, OH 45133

**RE: Country Home WWTW/Compliance Evaluation Inspection  
NPDES Permit No. OH0118109/OEPA PERMIT NO. 1PV00093\*AD**

Dear Mr. Spargur:

On March 6, 2008, I conducted a NPDES Compliance Evaluation Inspection at the Country Home Mobile Court & Campground wastewater treatment works (WWTW); you were present during this inspection. The purpose of the inspection was to evaluate compliance with the terms and conditions of the NPDES Permit. A copy of the report is provided within.

Thank you for your 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](mailto:joshua.jackson@epa.state.oh.us).

Respectfully,

Joshua Jackson  
Environmental Specialist II  
Division of Surface Water

Enclosures





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Permit # : 1PV00093\*AD  
 NPDES # : OH0118109

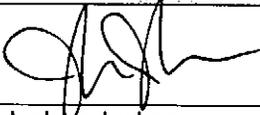
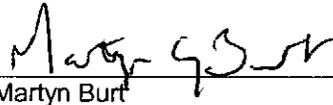


State of Ohio Environmental Protection Agency  
 Southwest District Office

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
1PV00093*AD	OH0118109	3/6/2008	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Country Home Mobile Court & Campground WWTW 7305 SR 753 Highland County, Paint Township	9:45 a.m.	6/1/2003
	Exit Time	Permit Expiration Date
	10:45 a.m.	5/31/2008
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Jim Spargur, Owner/Operator of Record (Class I WW)	937-365-1227	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Same as above	937-365-1227	
Name, Address and Title of Responsible Official	Phone Number	
Jim Spargur Country Home Mobile Court & Campground 7300 SR 753 Hillsboro, OH 45133	937-365-1227	

Ohio EPA Inspector	Ohio EPA Reviewer
 Joshua Jackson Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
3-6-08 Date	3/7/08 Date

Permit # : 1PV00093\*AD  
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Average Daily Design Flow:	7,550 Gallons/Day
Plant Serves:	25 mobile homes, 65 rv/camp sites
Average Daily Flow: (Period of Review):	2400 Gallons/Day (May 2007 - February 2008)
Method of flow monitoring:	Water meter readings
Type of alarms for plant:	High water - EQ dosing and sand filter dosing

**Pretreatment**

Type of Pretreatment: **Trash Trap**  
 Does the Trash Trap need pumped: **N/E**  
 Maintenance of pretreatment components is: **Good**

**Comments/Status:**

**Secondary Treatment  
(Aeration)**

Color of sludge: **Gray**  
 Quality of Sludge: **Thin**  
 Foam: **Light (white)**  
 Odor: **Slight**

	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 checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input checked="" type="checkbox"/>	<input 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Excellent**

**Comments/Status:**

Only half of the aeration/clarifier tanks were on-line due to the off-season. Mr. Spargur will be reseeding both halves to prepare for the recreation season (begins April 1<sup>st</sup>).  
 The mixed liquor in the aeration system that was operating was thin. This is due to low influent flows (small food source) during the off-season and a washout caused by an extreme rain event that happened on 3/4/2008. Storm flow from a portion of the park ran via sheet flow into the aeration tanks. Mr. Spargur will dig an interceptor ditch around the aeration tanks to divert the storm flow to the stream.

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**Secondary Treatment  
(Settling)**

Clarity: **Cloudy**  
 Condition of Weir: **Clean**  
 Weir is level: **Yes**  
 Effluent in weir: **Light Solids**  
 Clarifier walls need scraped: **No**

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

**Comments/Status:**

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**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Subsurface</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Overall maintenance of components is: **Good**

**Comments/Status:**

Four (out of 6) filters were ponded at the time of the inspection but were receding. There is a UV system but the unit was pulled at the end of the recreation season. Mr. Spargur will be putting it online before May 1<sup>st</sup>.

**Sludge Handling/Storage/Disposal**

Hauler name:  
 Disposal Site:  
 Sludge wasted from: **Sludge holding tank**  
 How often is sludge wasted: **Mr. Spargur was using the sludge in the holding tank to reseed the aeration tanks**  
 Sludge drying beds: **No**      Sludge holding tank: **Yes**

Overall maintenance of components is: **Excellent**

**Comments/Status:**

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**Plant Discharge**

Discharge point is a: **Ditch**  
Name of discharge point: **Unnamed tributary of Rocky Fork Lake**  
Discharge is visible: **Yes**                      Quality of Effluent: **Clear**

**Comments/Status:**

effluent was clear.

**Inspection Findings**

The Country Home Mobile Court & Campground WWTW is designed to serve 25 mobile homes and 65 rv/camp sites. At the time of the inspection, there were only 13 mobile home sites and 1 camp site in use. Mr. Spargur will eventually be serving 105 camp sites (phasing the mobile homes out).

Improvements for this WWTW were approved by Ohio EPA in 2005 (PTI#05-13204) and have been installed. These improvements are as follows:

**Existing Treatment Components**

- (2) 700-gallon trash traps located after the new equalization basin
- (2) 3770-gallon extended aeration tanks with 75 cfm of air supplied
- (2) Final settling tanks (peak surface overflow rate – 52.4 gpd/sq.ft.)  
(peak weir overflow rate – 314 gpd/lineal ft.)

**New Treatment Components:**

- (1) 3338-gallon, equalization tank
  - Equalized flow of 7,550 gallons/day
  - Air Supplied – 20 CFM
- (1) 2214-gallon, trash trap
- (2) Upward flow fixed media clarifiers
  - Upward peak flow rate – 0.087 gpm/sq.ft.
  - Weir overflow rate – 471.88 gpd/lineal ft.
- (1) 1500-gallon Sludge holding tank
  - 6 CFM of air supplied
- (6) Slow surface sand filters
  - Total area provided - 477 sq.ft.
  - Loading rate – 15.8 gpd/sq.ft.
  - Dosing chamber volume – 1600 gallons
  - Size of dosing pumps – 30 gpm at 10 TDH
- (1) Post aeration/ultraviolet disinfection chamber
  - Capacity – 450 gallons
  - Air supplied – 4 CFM

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- Number of UV modules – 1
- Lamps per module – 2
- UV transmissivity quality - >65%

The WWTW is designed to treat 7,550 gallons/day but a review of the monthly operating reports (May 2007 – February 2008) show that this facility has an average daily flow of only 2,400 gallons/day. During the off-season months (October – May), average daily flows are as low as 1200 gallons/day.

**EFFLUENT LIMIT VIOLATIONS**  
**(Period of Review: May 2007 – February 2008 )**

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value
February 2008	pH	1D Conc	9.0	11.2

The violation shown above was an error. Mr. Spargur reported the dissolved oxygen reading in the pH column. He will be re-submitting the eDMR with the correct value.



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