

ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE SANITARY TREATMENT  
SYSTEM INSPECTION FORM

AFIN: 04-00464

Log No.: \_\_\_\_\_

Permit No.: 4543-W

Inspection Date: February 6, 2007

Media: Water

Inspector: Bruce Kirkpatrick and  
Alison West

Compliance Status: **OUT**

1A. Name of Facility: Sunset Bay Subdivision

2A. Location: Old Prairie Creek Road, ~1 mile from Hwy 12E on the left

3A. Telephone: 479-936-7300 County: Benton

4A. Name of On-Site Representative: No on-site representative available.

5A. Name of Responsible Official: Wesley Kent Neff

Mailing Address: 110 S. 20<sup>th</sup> St, Rogers Arkansas 72756

Telephone: 479-936-7300

6A. Operators Name: N/A, It does not appear as though an operator is at this facility.

7A. Licensed Operator? Yes \_\_\_ No \_\_\_ N/A X Class of License N/A

8A. Date of Last Inspection: No record of any past inspection in field file.

9A. Principal Type of Waste Received: Domestic Sewage

10A. Are there any additions, corrections or repairs to the facility since the last inspection? \_\_\_  
No record of any past inspections in field file.

11A. If the facility is a package plant, list type, manufacturer's name and address and approx.  
number of years in service: Recirculating Sand Filter, Orenco, ~6 years.

12A. What is the appearance of effluent? N/A

13A. Is there any visible effect on receiving stream? No

14A. Are there any complaints against this facility? Yes X No      N/A       
If yes, of what nature? On May 6, 1999, Jamie Huens performed an investigation on Sunset Bay Subdivision regarding storm water issues.

### Operation and Maintenance

1B. Are odors a problem at the plant? Yes      No X N/A     

2B. Is industrial waste a problem? Yes      No X N/A     

3B. Is infiltration a problem? Yes      No      N/A X

4B. Does plant have a flow meter? Yes      No      N/A X

5B. Is flow measuring device properly operated? Yes      No      N/A X

6B. Flow measuring device being properly calibrated? Yes      No      N/A X

7B. Are all treatment units in service? Yes      No X N/A     

If no, what units are out and why? Recirculating Sand Filter #5 had collapsed. The control panels were in the off position at recirculating sand filter 3 & 4. The electrical meter at recirc 3 & 4 showed 0 kw. The control panel at recirculating sand filter 1 and 2 was in the auto position; but, it did not appear to be working.

8B. Is overall maintenance satisfactory? Yes      No X N/A     

If no, list areas for improvement: Weeds have been allowed to grow in the filter area.

9B. Are operating records kept? Yes      No      N/A X

If yes, describe:     

10B. Are maintenance records kept? Yes      No      N/A X

If yes, describe:     

11B. Are samples routinely taken? Yes      No      N/A X

12B. Are sampling techniques adequate? Yes      No      N/A X

13B. Are lab records adequate? Yes      No      N/A X

- 14B. What laboratory does the facility use? N/A  
 Address: \_\_\_\_\_ Telephone: \_\_\_\_\_
- 15B. Are solids or sludge's disposed of ? Yes\_\_\_ No\_\_\_ N/A X
- 16B. Are Solids or sludge's disposed of adequately? Yes\_\_\_ No\_\_\_ N/A X  
 Explain (including destination): \_\_\_\_\_  
 \_\_\_\_\_
- 17B. Are all treatment units operational Yes\_\_\_ No X N/A\_\_\_
- 18B. In the space below, furnish a simplified diagram or the flow diagram or a written description of the separate plant units in flow sequence. Include whether flow to the plant is pump or gravity.

### SUMMARY OF FINDINGS/COMMENTS

The permit has been operating without a permit since September 28, 2003. Recirculating sand filter 5 was collapsed at time of inspection. Weeds have been allowed to grow in the filter media at each individual sand filter. Unable to determine if complete records were being maintained and current of all activities related to the removal of waste materials accumulated in the septic tanks and other vessels or components of the waste disposal system. Unable to determine if "grab" samples were being obtained at the peak loading period from each individual recirculating sand filter. It does not appear the waste disposal system was being operated by a Class I operator. Complete biannual operational reports covering May-October and November through April are not being submitted to the Department. Mr. Kirkpatrick and I observed 2-6000 gallon tanks sitting on the ground near recirc filter 3 & 4. Pump vaults and other parts were observed near recirculating sand filter # 5. It was, also, observed the control panels were turned to off at recirculating sand filter #3 and #4. The electrical meter at recirculating sand filter 3 & 4 showed 0 kw. The control panels were in

the auto position at recirculating sand filter 1 and 2. However, the display was not working in each panel. Mr. Kirkpatrick and I did not see any impact in the drainages, specifically below recirculating sand filter 3 & 4 and next to recirculating sand filter 1 & 2. Mr. Kirkpatrick did not observe any surfacing in the leach fields. Some of the orifices and distribution piping are exposed in the recirculating sand filters. There are parts of the fence down due to trees, etc at recirculating sand filters 1 and 2 as well as 3 & 4. According to Mr. Neff in August 2005, he has filed for bankruptcy. This inspection was referred to State Permits Enforcement Branch August 2005.

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Inspector Signature: Joy Allen West Date of Report: 2-8-07

Signature of Reviewer: Dale D. Washam Date of Review: February 15, 2007

## **ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY**

### **MEMORANDUM**

**TO:** Keith Brown, Manager State Permits Branch, Water Division

**THRU:** Frank Esry, Section Manager, Water Division

**FROM:** Alison West, District Field Inspector

**DATE:** February 8, 2007

**SUBJECT:** Sunset Bay Subdivision

AFIN: 04-00464 State Permit No.: 4543-W

On February 6, 2007, Bruce Kirkpatrick, District Field Inspector, and I conducted an inspection at Sunset Bay. Sunset Bay Subdivision has a wastewater facility that has been operating without a permit since September 28, 2003. During the inspection, we determined that there are ten houses that are built in Sunset Bay. Of the ten houses, Lot 134 has a permit for an individual septic system through the Arkansas Department of Health and Human Services. Mr. Kirkpatrick and I did not observe any impact to the tributary near the recirculating sand filters and leach field. Mr. Kirkpatrick observed the leach field and found no evidence that the system was surfacing.

The inspection revealed many of the similar deficiencies as observed during the August 2005 inspection. During the investigation, we found the following deficiencies:

1. Sunset Bay Subdivision has been operating without a permit since September 28, 2003.
2. Recirculating Sand Filter #5 was collapsed at the time of inspection.
3. Weeds have been allowed to grow in the filter media at each individual sand filter.
4. Some of the orifices and distribution piping were exposed at the recirculating sand filters.
5. Pump vaults and other parts were observed on the ground near recirculating sand filter #5.
6. 2-6000 gallon tanks were sitting on top of the ground near recirculating sand filter #3 and 4.
7. Control panels were turned to "off" and not working at recirculating sand filter #3 and 4. Control panels were turned to "auto" at recirculating sand filter #1 and 2; however, there was no activity in the display at recirculating sand filter 1 & 2.
8. The electrical meter near the control panels at recirculating sand filter 3 & 4 was displaying 0 kw.



9. It did not appear as though the waste water system was being operated by a Class I operator.
10. Unable to determine if complete records were being maintained and current of all activities related to the removal of waste materials accumulated in the septic tanks and other vessels or components of the waste disposal system.
11. Unable to determine if a “grab” sample was being obtained at the peak loading period from each individual recirculating sand filter.
12. Complete biannual operational reports are not being submitted to the Department.

In addition, I request that a State Permits Engineer assist me in locating how effluent is being pumped to the leach field since it appears as though the recirculating sand filters are not operational. During the August 2005, I heard a pump kick on near the recirculating sand filter #1 and 2. However, we did not hear any pumps come on during this inspection.

During the inspections on August 1 and 2 of 2005, I estimated that 10-15 homes had been built that are utilizing the recirculating sand filter. It appeared as though no homes had been built in the area that utilizes the #4 and #5 recirculating sand filters. During the last inspection, the following copies were submitted to the State Permits Branch: a copy of the August 1 and 2, 2005 inspection, a copy of a letter dated October 6, 2003, from Henry Insua, State Permits Engineer; a copy of a letter dated January 23, 2003, from Craig Corder, Engineer Supervisor with the Arkansas Department of Health; a copy of the letter dated January 14, 2003, from Craig Corder, Engineer Supervisor with the Arkansas Department of Health; a copy of a letter dated August 25, 2000, from Craig Corder, Engineer Supervisor with the Arkansas Department of Health.



If you have any questions, feel free to contact me at 501-682-0744.

**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	1	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:39 a.m.
<b>Description:</b>	IMGP0529. Weeds growing in recirculating sand filter #3.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	2	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:39 a.m.
<b>Description:</b>	IMGP0530. Weeds growing in recirculating sand filter #3.						
							





**Arkansas Department of Environmental Quality (ADEQ)**  
**Official Photograph Sheet**



<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	3	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:40 a.m.
<b>Description:</b>	IMGP0531. Weeds growing in recirculating sand filter #4.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	4	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:44 a.m.
<b>Description:</b>	IMGP0532. Fence not being maintained around recirculating sand filter #3 and 4.						
							



# Arkansas Department of Environmental Quality (ADEQ) Official Photograph Sheet



<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	5	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:51 a.m.
<b>Description:</b>	IMGP0533. One of the control panels at recirculating sand filter #3 and 4. Switches are turned to the "off" position.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	6	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 10:52 a.m.
<b>Description:</b>	IMGP0534. Electrical meter reading 0 kw near control panel at recirculating sand filter #3 and 4.						
							

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**Official Photograph Sheet**



<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	7	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:00 a.m.
<b>Description:</b>	IMGP0537. 2-6000 gallon tanks near recirculating sand filter #3 and 4.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	8	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:04 a.m.
<b>Description:</b>	IMGP0538. Pump vaults and parts on the ground near recirculating sand filter #5.						
							



**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**



<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	9	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:05 a.m.
<b>Description:</b>	IMGP0539. Recirculating sand filter #5.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	10	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:07 a.m.
<b>Description:</b>	IMGP0540. Recirculating sand filter #5 collapsed.						
							

**Arkansas Department of Environmental Quality (ADEQ)**  
**Official Photograph Sheet**


<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	11	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:08 a.m.
<b>Description:</b>	IMGP0541. Recirculating sand filter #5 collapsed.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	12	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:11 a.m.
<b>Description:</b>	IMGP0542. Drainage near recirculating sand filters # 1 and 2.						
							



**Arkansas Department of Environmental Quality (ADEQ)  
Official Photograph Sheet**

<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	13	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:15 a.m.
<b>Description:</b>	IMGP0543. Control panel turned to "auto" at recirculating sand filter #1 and 2. Nothing on the display.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	14	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:16 a.m.
<b>Description:</b>	IMGP0544. Weeds growing in recirculating sand filter #1 and 2.						
							

# Arkansas Department of Environmental Quality (ADEQ) Official Photograph Sheet

<b>Location:</b>	Sunset Bay Subdivision						
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	15	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 11:16 a.m.
<b>Description:</b>	IMGP0545. Fence down at recirculating sand filter #1 and 2.						
							
<b>Photographer:</b>	Bruce Kirkpatrick				<b>Witness:</b>	Alison West	
<b>Photo #</b>	16	<b>Of</b>	16		<b>Date:</b>	2-6-07	<b>Time:</b> 12:02 p.m.
<b>Description:</b>	IMGP0549. Sign at entrance of Sunset Bay Subdivision.						
