

**ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONITORING REPORT FOR DECENTRALIZED WASTEWATER TREATMENT FACILITIES VIA DRIP IRRIGATION  
MONTHLY MONITORING REPORT**


<b>PERMITTEE NAME</b>
Sloan Estates Property Owners Association
<b>PERMITTEE ADDRESS</b>
PO Box 10918 Fayetteville AR 72703

<b>FACILITY NAME (IF DIFFERENT)</b>
Sloan Estates Subdivision
<b>FACILITY ADDRESS</b>
5088 E Sagely Lane Fayetteville AR 72703

<b>PERMIT NO.</b>
4837-WR-2
<b>AFIN NO.</b>
72-01074

<b>WASTEWATER EFFLUENT MONITORING PERIOD</b>	
MM/DD/YYYY	MM/DD/YYYY
FROM 10/1/2015	10/31/2015

TREATED WASTEWATER EFFLUENT SAMPLING						
PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	REPORT	4.9		MG/L	ONCE/ MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	15	2.5		MG/L	ONCE/ MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	6.9		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	15	2		MG/L	ONCE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	REPORT	10.7		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	10,000	432		colonies/100ml	ONCE/ MONTH	GRAB
TOTAL KJELDAHL NITROGEN EFFLUENT GROSS VALUE	REPORT	12.3		MG/L	ONCE/ MONTH	GRAB
NITRATE NITROGEN EFFLUENT GROSS VALUE	REPORT	5.1		MG/L	ONCE/ MONTH	GRAB
NITRITE NITROGEN EFFLUENT GROSS VALUE	REPORT	0.035		MG/L	ONCE/ MONTH	GRAB
PLANT AVAILABLE NITROGEN EFFLUENT GROSS VALUE	REPORT	16.3		MG/L	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	REPORT	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		115,283	4,153			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM AWARE OF THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE
			479	530-5926	11/13/2015
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY
COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)					

# Environmental Services Company, Inc.

Corporate Office  
 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (479)750-1170 Fax (479)750-1172

Control Number: 1510020328  
 Customer Name : GREENFIELD CAP DEV-SLOAN EST.  
 Customer/Permit No. : 1678 / 4837-WR-2  
 Report Date : 10/28/15

Sample Date : 10/21/15  
 Sample Time : 0845  
 Sample Type : GRAB  
 Sample From : EFFLUENT

Collected By: WDS  
 Delivery By : WDS  
 Work Order :  
 Purchase Order :

<u>Laboratory Analysis</u>						<u>Quality Assurance</u>		
<u>Analysis</u>			<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
<u>Date</u>	<u>Time</u>	<u>By</u>					<u>Parameter</u>	<u>% RPD</u>
10/22	1545	TSB	Ammonia Nitrogen	10.7 mg/L		SM 1997 4500-NH3 F	0.90	102.3 *
10/27	0830	TSB	Kjeldahl Nitrogen Total	12.30 mg/L		SM 1997 4500-NorgB	0.00	100.4 *
10/23	1030	TSB	Nitrate Nitrogen	5.10 mg/L		SM 2000 4500-NO3 E	1.40	102.1 *
10/22	1515	TSB	Nitrite Nitrogen	0.035 mg/L		SM 2000 4500 NO2 B	0.00	101.1 *
10/21	0845	WDS	pH	6.9 S.U.		SM 2000 4500-H+ B	0.00	N/A *
10/23	0900	TSB	Phosphorous, Total (as P)	4.9 mg/L		EPA 365.3	0.00	100.7 *
10/23	1445	RHB	Solids, Total Suspended	2.0 mg/L		SM 1997 2540 D	29.79	N/A *
10/21	1300	WDS	Coliform, Fecal	432 /100ml		SM 1997 9222 D	0.00	N/A *
10/21	0800	KIK	BOD, Carbonaceous	2.5 mg/L		SM 2001 5210 B	6.54	89.3 *
10/26	1200	TSB	Solids, % Total by mass	0.157 %		SM 1997 2540 G	5.41	N/A *
10/27	1630	TSB	Nitrogen, Plant Available	16.3 mg/L		SM 1997 4500-N		

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Environmental Quality. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature Richard Brown  
 Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Northwest Arkansas  
 1107 Century Street  
 Springdale, Arkansas 72762  
 website: [www.esclabs.com](http://www.esclabs.com)



Corporate Office, Little Rock, Arkansas  
 501-221-2565

Carlsbad, New Mexico  
 575-887-1ESC

Phone: 479-750-1170 Fax: 479-750-1172

### CHAIN OF CUSTODY

Client Information						Project Information					Requested Parameters					
Company Name:		Greenfield Cap. Dev.-Sloan Estates				Permit/Project #:					pH(23)	Fecal Coliform(43)	CBOD(70), TSS(28), NO2(19)	PAN(99.99), %Solids(82)	TKN(16.A), NO3(18)	NH3(15.A), Phos(25)
Address:		1849 Trillium Lane				Purchase Order #:										
		Fayetteville, Ar 72704				Sampler Name(s):										
Telephone:		(479)936-0333 (Cell)				and Signature(s):										
FAX:																
ESC Client Number:		1678														
Sample Identification		Sample Collection				Sample Containers										
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#							
EFFLUENT	1510020328	10-21-15	8:45	Grab	Water	Teflon	150 ml	none	1	X						
EFFLUENT	I	I	I	Grab	Water	whirlpak	300 ml	none/ice	1		X					
EFFLUENT	I	I	I	Grab	Water	Plastic	1 qt	none/ice	1			X	X			
EFFLUENT	I	I	I	Grab	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH <2	1					X	X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:		Used?	Intact?				
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:		Regular	Special				
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:		Yes	No				
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units				
						Analyst:	pH:	8:45	WDS	6.9						
						Time:	Temp.:	8:45	WDS	21.4		°C	°F			
						Reading:	DO:									
						Units:	Debris:									
Cool all samples to 6 degrees C.						Chlorinated? Yes No			This Document is Page ___ of ___							