

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

<b>PERMITTEE NAME</b> Bethel Oaks Subdivision
<b>PERMITTEE ADDRESS</b> PO Box 3008 Fort Smith AR 72901


<b>FACILITY NAME (IF DIFFERENT)</b> Bethel Oaks Subdivision
<b>FACILITY ADDRESS</b> WA County Hwy 62 at Bethel Blacktop Rd Farmington AR

<b>PERMIT NO.</b> 4875-WR-1
<b>AFIN NO.</b> 72-01656

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY 1/1/2018	MM/DD/YYYY 1/31/2018

**TREATED WASTEWATER EFFLUENT SAMPLING**

PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.147968	MGD	Grab Sample once per month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.005539	MGD		
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	9.1	mg/l		
Total Suspended Solids (TSS)	15	5.7	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	40	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	6.4	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	41.4	mg/l		
Ammonia Nitrogen	REPORT	40.6	mg/l		
Nitrate Nitrogen ( NO3-N)	REPORT	1.24	mg/l		
Nitrite Nitrogen ( NO2-N)	REPORT	0.317	mg/l		
Plant Available Nitrogen (PAN)	REPORT	42.4	mg/l		
Total Solids	REPORT	0.03	Percentage (%)		
Loading Rate	0.138		gpd/ft 2		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Ken Gregory  TYPED OR PRINTED	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH 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.	 <b>SIGNATURE OF PRINCIPAL</b>  <b>EXECUTIVE OFFICER OR</b>  <b>AUTHORIZED AGENT</b>	TELEPHONE	DATE
			(479) 530-5926	1/7/2018  MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS ( <i>Reference all attachments here</i> )

# 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

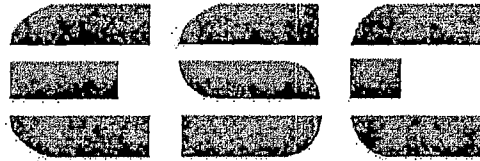
Control Number: 1801020209	Sample Date : 01/19/18	Collected By: JCB
Customer Name : GREENFIELD CAP DEV-BETHEL OAKS	Sample Time : 1240	Delivery By : JCB
Customer/Permit No. : 1855 / 4875-WR-2	Sample Type : GRAB BETHEL OAKS	Work Order :
Report Date : 01/31/18	Sample From : EFFLUENT	Purchase Order :

<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>
01/19	1400	TSB	Ammonia Nitrogen	40.6 mg/L		SM 1997 4500-NH3 F	0.00	104.3 *
01/30	0830	TSB	Total Kjeldahl Nitrogen	41.4 mg/L		02/2014 HACH 10242	7.14	99.2 *
01/22	1400	TSB	Nitrate Nitrogen	1.24 mg/L		01/2013 HACH 10206	1.83	99.1 *
01/19	1600	AEU	Nitrite Nitrogen	0.317 mg/L		06/2017 HACH 10207	0.63	99.1
01/19	1240	JCB	pH	7.4 S.U.		SM 2000 4500-H+ B	0.00	N/A *
01/23	1000	JCB	Phosphorous, Total (as P)	6.4 mg/L		EPA 365.3	0.82	100.0 *
01/24	0858	AEU	Solids, Total Suspended	5.7 mg/L		SM 1997 2540 D	9.14	N/A *
01/19	1601	TSB	Coliform, Fecal	40 /100ml		SM 9222 D 1997	0.00	N/A *
01/19	1400	TSB	BOD, Carbonaceous	9.1 mg/L		SM 2001 5210 B	0.66	99.4 *
01/22	1136	AEU	Solids, % Total by mass	0.030 %		SM 1997 2540 G	3.39	N/A
01/31	1030	TSB	Nitrogen, Plant Available	42.4 mg/L		SM 1997 4500-N		
01/19	1240	JCB	Sample Collection/Travel	1 each				

\* 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   
 Environmental Services Co., Inc.



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

### CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters										
Company Name: Bethel Oaks				Permit/Project #:							pH(23)	P(25), NH <sub>3</sub> -N(15.A), NO <sub>3</sub> (18), TKN(16.A)	CBOD(70), TSS(28), NO <sub>2</sub> (19)	F. COLIFORM(43)	%Solids (82), PAN(99.99)						
Address: 1849 N. Trillium Lane				Purchase Order #:																	
Fayetteville, AR 72704				Sampler Name(s): <i>John Byrd</i>																	
Telephone: 479-790-3813				and Signature(s): <i>John Byrd</i>																	
Telephone:																					
ESC Client Number: 1855																					
Sample Identification		Sample Collection				Sample Containers															
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#												
EFFLUENT	1801020209	1/19/18	1240	GRAB	Water	teflon	150 ml	none	1	X											
EFFLUENT				GRAB	Water	Plastic	8 oz	H <sub>2</sub> SO <sub>4</sub> , pH<2	1		X										
EFFLUENT				GRAB	Water	Plastic	1 qt	none/ice	1			X		X							
EFFLUENT				GRAB	Water	Whirlpak	125 ml	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	1				X								
Cool all samples to 6 degrees C.																					
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Custody Seals:												
<i>John Byrd</i> John Byrd		1/19/18	1330	<i>Damon Briscoe</i> Damon Briscoe			1/19/18	1300	Used? <input checked="" type="checkbox"/>		Intact? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)			Date	Time	Turnaround:												
									Regular <input checked="" type="checkbox"/>		Special <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)			Date	Time	Were samples properly preserved:												
				<i>Damon Briscoe</i> Damon Briscoe			1/19/18	1300	Yes <input checked="" type="checkbox"/>		No <input type="checkbox"/>										
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units									
						Analyst:	pH:	1240	SCB	7.4	7.4										
						Time:	Temp.:	1	1	15.0	15.0	°C °F									
						Reading:	DO:														
						Units:	Debris:														
Cool all samples to 6 degrees C.								Chlorinated? Yes No			This Document is Page 1 of 1										