

**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 3/1/2018	MM/DD/YYYY 3/31/2018

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.080613	MGD	Grab Sample once per month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.005012	MGD		
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	< 2	mg/l		
Total Suspended Solids (TSS)	15	15	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 4	colonies/100ml		
pH	6.0 - 9.0	7.3	s.u.		
Total Phosphorus (TP)	REPORT	10.7	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	42.8	mg/l		
Ammonia Nitrogen	REPORT	37.8	mg/l		
Nitrate Nitrogen ( NO3-N)	REPORT	2.73	mg/l		
Nitrite Nitrogen ( NO2-N)	REPORT	0.463	mg/l		
Plant Available Nitrogen (PAN)	REPORT	42.5	mg/l		
Total Solids	REPORT	0.045	Percentage (%)		

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  Ken Gregory	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 EXECUTIVE OFFICER OR AUTHORIZED AGENT</b>	TELEPHONE	DATE
			(479) 530-5926	4/7/2018
TYPED OR PRINTED				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: 1803020166	Sample Date : 03/16/18	Collected By: JCB
Customer Name : BETHEL OAKS UTILITY, LLC	Sample Time : 1320	Delivery By : JCB
Customer/Permit No. : 1855 / 4875-WR-2	Sample Type : GRAB	Work Order :
Report Date : 03/26/18	Sample From : EFFLUENT	Purchase Order :

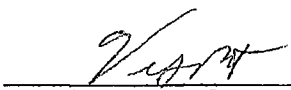
### Laboratory Analysis

Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision % RPD	Accuracy % Recovery
03/16	1000	TSB	Ammonia Nitrogen	37.8 mg/L			SM 1997 4500-NH3 F	0.00	100.9 *
03/20	0830	TSB	Total Kjeldahl Nitrogen	42.8 mg/L			02/2014 HACH 10242	0.00	94.6 *
03/19	1300	TSB	Nitrate Nitrogen	2.73 mg/L			01/2013 HACH 10206	3.73	100.0 *
03/16	1500	TSB	Nitrite Nitrogen	0.463 mg/L			06/2017 HACH 10207	0.42	98.9
03/16	1320	JCB	pH	7.3 S.U.			SM 2000 4500-H+ B	0.00	N/A *
03/19	1300	CLS	Phosphorous, Total (as P)	10.7 mg/L			EPA 365.3	0.00	93.6 *
03/22	1558	AEU	Solids, Total Suspended	15.0 mg/L			SM 1997 2540 D	0.86	N/A *
03/16	1555	AEU	Coliform, Fecal	< 4 /100ml			SM 9222 D 1997	0.00	N/A
03/16	1400	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B	4.15	101.9 *
03/20	1550	AEU	Solids, % Total by mass	0.045 %			SM 1997 2540 G	22.22	N/A
03/20	1430	TSB	Nitrogen, Plant Available	42.5 mg/L			SM 1997 4500-N		
03/16	1320	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.

