

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


PERMITTEE NAME Bethel Oaks Subdivision
PERMITTEE ADDRESS PO Box 3008 Fort Smith AR 72901

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

PERMIT NO. 4875-WR-1
AFIN NO. 72-01656

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY 12/1/2017	MM/DD/YYYY 12/31/2017

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.087713	MGD	Grab Sample once per month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.005178	MGD		
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	9.3	mg/l		
Total Suspended Solids (TSS)	15	13.6	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	< 4	colonies/100ml		
pH	6.0 - 9.0	7.4	s.u.		
Total Phosphorus (TP)	REPORT	7.3	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	44.8	mg/l		
Ammonia Nitrogen	REPORT	44.5	mg/l		
Nitrate Nitrogen (NO ₃ -N)	REPORT	0.84	mg/l		
Nitrite Nitrogen (NO ₂ -N)	REPORT	0.655	mg/l		
Plant Available Nitrogen (PAN)	REPORT	46.1	mg/l		
Total Solids	REPORT	0.033	Percentage (%)		
Loading Rate	0.138		gpd/ft ²		

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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
			(479) 530-5926	1/9/2017
TYPED OR PRINTED				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: 1712020152
 Customer Name : GREENFIELD CAP DEV-BETHEL OAKS
 Customer/Permit No. : 1855 / 4875-WR-2
 Report Date : 12/22/17

Sample Date : 12/15/17
 Sample Time : 1245
 Sample Type : GRAB
 Sample From : EFFLUENT

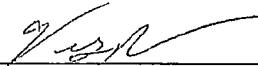
Collected By: JCB
 Delivery By : JCB
 Work Order :
 Purchase Order :

<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>	<u>% Recovery</u>
12/15	1100	TSB	Ammonia Nitrogen	44.5 mg/L		SM 1997 4500-NH3 F	0.00	106.8 *
12/21	0830	TSB	Total Kjeldahl Nitrogen	44.8 mg/L		02/2014 HACH 10242	4.44	109.6 *
12/19	1400	TSB	Nitrate Nitrogen	0.84 mg/L		01/2013 HACH 10206	1.21	100.4 *
12/15	1400	TSB	Nitrite Nitrogen	0.655 mg/L		06/2017 HACH 10207	0.62	99.9
12/15	1245	JCB	pH	7.4 S.U.		SM 2000 4500-H+ B	1.36	N/A *
12/19	1100	TSB	Phosphorous, Total (as P)	7.3 mg/L		EPA 365.3	3.64	101.4 *
12/20	1200	AEU	Solids, Total Suspended	13.6 mg/L		SM 1997 2540 D	29.95	N/A *
12/15	1730	JCB	Coliform, Fecal	< 4 /100ml		SM 9222 D 1997	0.00	N/A
12/15	1400	TSB	BOD, Carbonaceous	9.3 mg/L		SM 2001 5210 B	2.46	90.4 *
12/21	1111	JCB	Solids, % Total by mass	0.033 %		SM 1997 2540 G	3.39	N/A *
12/21	1445	TSB	Nitrogen, Plant Available	46.1 mg/L		SM 1997 4500-N		
12/15	1245	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.

