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

PERMITTEE NAME	,6	4.1
Bethel Oaks Subdivision	1	
PERMITTEE ADDRESS	3	
PO Box 3008		,
Fort Smith AR 72901		

	FACILITY NAME (IF DIFFERENT)	F	
	 Bethel Oaks Subdivision		
	 FACILITY ADDRESS		
7			

4875-WR-1

72-01656

PERMIT NO.

W	ASTEWATER EFFLUENT MONITORING PERIO)D
MM/DD/YYYY		MM/DD/YYYY
12/1/2016	,	12/31/2016

TREATED WASTEWATER EFFLUE	NT SAMPLING		-87.5			- W		
PARAMETER		Limit Man yada	Sample Measurement	UNITS	Monitoring	Reporting		
Flow, Monthly total		REPORT		MGD				•
Flow, daily maximum	um REPORT 0.014798 MGD					ļ		
Carbonaceous Biochemical Oxygen De	mand (CBOD5)	15	< 2	mg/l				
Total Suspended Solids (TSS)		15	13	mg/l				
Fecal Coliform Bacteria (FCB)	7,800		< 4	colonies/100ml				
рН		6.0 - 9.0	7.5	s.u.			i	
Total Phosphorus (TP)		REPORT	7.4	mg/l	Grab Sample once per month	Prior to the 15th o		
Total Kjeldahl Nitrogen (TKN) Ammonia Nitrogen		REPORT	39.2	mg/l		h		
		REPORT	37.3	mg/l				
Nitrate Nitrogen (NO3-N)		REPORT	4.21	mg/l				
Nitrite Nitrogen (NO2-N)		REPORT	0.021	mg/l				
Plant Available Nitrogen (PAN)		REPORT	42.1	mg/l				
Total Solids		REPORT	0.038	Percentage (%)				
Loading Rate		0.138	. 2,042	gpd/ft 2	Continuous			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	+	NALTY OF LAW THAT I HAVE PERSONALLY		17	2 10	TELEPH	HONE	DATE
	SUBMITTED HEREIN; A	AND BASED ON MY INQUIRY OF THOSE IN	DIVIDUALS IMMEDIATELY RE	SPONSIBLE FOR	James Degra	/	i	4.40.004
•	OBTAINING THE INFO	DRMATION, I BELIEVE THE SUBMITTED	INFORMATION IS TRUE, A	CCURATE, AND	SIGNATURE OF PRINCIPAL			1/12/201
Ken Gregory	COMPLETE. I AM AWA	ARE THAT THERE ARE SIGNIFICANT PENAI	LTIES FOR SUBMITTING FALS	E INFORMATION,	EXECUTIVE OFFICER OR	592	:6	
TYPED OR PRINTED	INCLUDING THE POSS	BILITY OF FINE AND IMPRISONMENT.			AUTHORIZED AGENT			
COMMENTS AND EXPLANATION C	F VIOLATIONS (Ref	erence all attachments here)			·			

BETHEL OAKS LOADING RATES								
Zone Identification	GPD/sq 2							
Zone 1	2,042							
Zone 2	2,042							
Zone 3	2,042							
Zone 4	2,042							
Zone 5	2,042							
Zone 6	2,042							
Zone 7	2,042							
Zone 8	2,042							
Zone 9	2,042							
Zone 10	2,042							
Zone 11	2,042							
Zone 12	2,042							

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: 1612020225

Customer Name : GREENFIELD CAP DEV-BETHEL OAKS

Customer/Permit No.: 1855 / 4875-WR-1

Report Date : 12/21/16

Sample Date : 12/14/16

Sample Time : 0840

Sample Type : GRAB BETHEL OAKS

Sample From : EFFLUENT

Collected By: JB
Delivery By: JB
Work Order:

Purchase Order :

	Quality 1	Assurance			
Analysis			İ	Precision	Accuracy
<u>Date Time By</u>	Parameter	Result Notes Q	uantity Method	% RPD	% Recovery
12/14 1700 AEU	Ammonia Nitrogen	37.3 mg/L	SM 1997 4500-NH3 F	2.07	113.9 *
12/15 0815 AEU	Kjeldahl Nitrogen Total	39.20 mg/L	SM 1997 4500-NorgB	4.20	102.1 *
12/20 0800 TSB	Nitrate Nitrogen	4.21 mg/L	SM 2000 4500-NO3 E	0.11	100.2 *
12/14 1630 JCB	Nitrite Nitrogen	0.021 mg/L	SM 2000 4500 NO2 B	0.46	99.5 *
12/14 0840 JCB	рн	7.5 S.U.	SM 2000 4500-H+ B	1.63	N/A *
12/19 1300 TSB	Phosphorous, Total (as P)	7.4 mg/L	EPA 365.3	0.00	102.3
12/14 1045 JCB	Solids, Total Suspended	13.0 mg/L	SM 1997 2540 D	0.00	N/A *
12/14 1607 AEU	Coliform, Fecal	< 4 /100ml	SM 9222 D 1997	0.00	N/A *
12/14 1400 RHB	BOD, Carbonaceous	< 2.0 mg/L	SM 2001 5210 B	6.15	92.4 *
12/15 1113 AEU	Solids, % Total by mass	0.038 %	SM 1997 2540 G	5.41	N/A *
12/21 0600 RHB	Nitrogen, Plant Available	42.1 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

Environmental Services Co., Inc.

Richard Brown

Environmental Services Company, Inc. Northwest Arkansas 1107 Century Street Springdale, Arkansas 72762

website: www.esclabs.com



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

Carlsbad, New Mexico 575-887-1ESC

CHAIN OF CUSTODY

Client Information Requested Parameters Company Name: New Water-Bethel Oaks Permit/Project #; Purchase Order #; Purcha	Phone: 479-750-1170	Fax: 479-750-1172		CI	JAIN C	JF CU	2101	JY											
Address: Po Box 193805	Client Information					Pr	oject Info	ormation			-		Req	ues	ted	Par	ame	ters	-
## Reinquished By: (Signature and Printed Name) EFFLUENT Date Time Received By: (Signature and Printed Name) Date Time Signature and Printed	Company Name: New Water-Bethel Oaks			Permit/Project #:								ৰ							
## Reinquished By: (Signature and Printed Name) EFFLUENT Date Time Received By: (Signature and Printed Name) Date Time Signature and Printed	Address: Po Box 193805		Purchase	Order #:							N(16								
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## Reinquished By: (Signature and Printed Name) EFFLUENT Date Time Received By: (Signature and Printed Name) Date Time Signature and Printed				Sampler Name(s):				home				3(18)	Z		(99				
## Reinquished By: (Signature and Printed Name) EFFLUENT Date Time Received By: (Signature and Printed Name) Date Time Signature and Printed					<u> </u>	نر `	100	In B	eta sel	_			Ö,	28),	(43)	AN			
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