

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

PERMITTEE NAME
Bethel Oaks Property Owners Association Inc
PERMITTEE ADDRESS
12531 Bethel Oaks Dr Farmington AR 72730


FACILITY NAME
Bethel Oaks Subdivision
FACILITY ADDRESS
CR 62 Farmington AR

PERMIT NO.
4875-WR-3

AFIN NO.
72-01656

WASTEWATER EFFLUENT MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
1/1/2021	1/31/2021

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.274,817	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.011057	GD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	12.5	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	13	mg/l		
Fecal Coliform Bacteria (FCB)	7,800	29	colonies/100ml		
pH	6.0 - 9.0	6.9	s.u.		
Total Phosphorus (TP)	REPORT	4.27	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	49.5	mg/l		
Ammonia Nitrogen	REPORT	44.1	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	3.24	mg/l		
Plant Available Nitrogen (PAN)	REPORT	47.3	mg/l		

NAME OF PRINCIPAL EXECUTIVE OFFICER	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 COGNIZANT OFFICIAL	TELEPHONE
			(479) 530-5926
TYPED OR PRINTED			DATE
Kathy Bartlett			2/12/2021

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)
 See attached NCR for explanation of elevated TSS limits this month

* LOADING RATE BY ZONE					
Zone 1	921	Zone 5	921	Zone 9	921
Zone 2	921	Zone 6	921	Zone 10	921
Zone 3	921	Zone 7	921	Zone 11	921
Zone 4	921	Zone 8	921	Zone 12	921

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: 2101020126
 Customer Name : BETHEL OAKS UTILITY, LLC
 Customer/Permit No. : 1855 / 4875-WR-3
 Report Date : 02/02/21

Sample Date : 01/21/21
 Sample Time : 1500
 Sample Type : GRAB
 Sample From : EFFLUENT

Collected By: TWM
 Delivery By : TWM
 Work Order :
 Purchase Order : Q

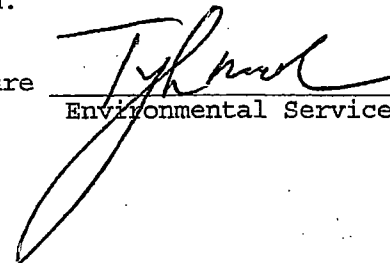
Laboratory Analysis

<u>Analysis</u>							<u>Quality Assurance</u>		
<u>Date</u>	<u>Time</u>	<u>By</u>	<u>Parameter</u>	<u>Result</u>	<u>Notes</u>	<u>Quantity</u>	<u>Method</u>	<u>Precision</u>	<u>Accuracy</u>
								<u>% RPD</u>	<u>% Recovery</u>
01/25	1000	HNS	Ammonia as N, (HACH 10205)	44.10 mg/L			SM 2011 4500-NH3 F	6.17	102.0 *
02/02	1115	TWM	Total Kjeldahl Nitrogen	49.5 mg/L			02/2014 HACH 10242	3.17	95.3 *
01/21	1505	TWM	pH	6.9 S.U.			SM 2011 4500-H+ B	0.00	N/A
01/22	1130	HNS	Phosphorous, Total (as P)	4.27 mg/L			EPA 365.3	0.83	102.0
01/25	1330	HNS	Solids, Total Suspended	13.0 mg/L			SM 2011 2540 D	25.94	N/A *
01/21	1645	TWM	Fecal Coliform (MPN/100mL)	29.2 /100ml			06/2012 Colilert18	0.00	N/A *
01/22	0900	TWM	BOD, Carbonaceous	12.5 mg/L			SM 2001 5210 B	15.38	86.2
01/26	1210	HNS	Nitrate + Nitrite	3.24 mg/L			01/2013 HACH 10206	5.23	108.0 *
02/02	1500	TWM	Nitrogen, Plant Available	47.3 mg/L			SM 1997 4500-N		

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

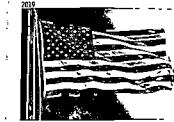
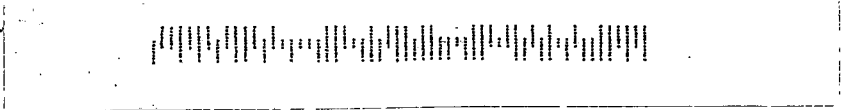
All equipment used is checked and/or calibrated daily. All NPDES testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of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

Signature

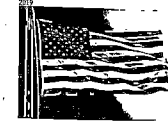

 Environmental Services Co., Inc.

274817
 11057

Kristin Mullins



FOREVER / USA



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NWA Utility Services Inc

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Fayetteville, AR 72703

ADEQ
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