

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

PERMITTEE NAME

First Asset Holding

PERMITTEE ADDRESS

PO Box 7
Ft Smith AR 72902

FACILITY NAME

Deer Haven Subdivision

FACILITY ADDRESS

15046 Smith Ridge Rd
Garfield AR 72732

PERMIT NO.

4908-WR-2

AFIN NO.


04-01681

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY	MM/DD/YYYY
1/1/2020	1/30/2020

TREATED WASTEWATER EFFLUENT SAMPLING

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.333,806	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.016,284	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	22.4	mg/l		
Fecal Coliform Bacteria (FCB)	4,000	2,756	colonies/100ml		
pH	6.0 - 9.0	7.6	s.u.		
Total Phosphorus (TP)	REPORT	8.88	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	49.5	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	48.1	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	1.9	mg/l		
Plant Available Nitrogen (PAN)	REPORT	49.6	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 DATE 2/12/2020
Kathy Bartlett			
TYPED OR PRINTED			

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)

* LOADING RATE BY ZONE						
Zone 1	2714	Zone 5	2714			
Zone 2	2714	Zone 6	2714			
Zone 3	2714					
Zone 4	2714					

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: 2001020089

Customer Name : DEER HAVEN UTILITY LLC

Customer/Permit No. : 1821 / 4908-WR-1

Report Date : 01/24/20

Sample Date : 01/09/20

Sample Time : 1535

Sample Type : GRAB

Sample From : DOSE TANK EFFLUENT

Collected By: JEW

Delivery By : JEW

Work Order :

Purchase Order :

Laboratory Analysis

Analysis

Date	Time	By	Parameter	Result	Notes	Quantity	Method
01/10	1400	TSB	Ammonia as N, (HACH 10205)	48.10 mg/L			SM 2011 4500-NH3 F
01/14	0850	TSB	Total Kjeldahl Nitrogen	49.5 mg/L			02/2014 HACH 10242
01/09	1535	JEW	pH	7.6 S.U.			SM 2011 4500-H+ B
01/14	0915	TSB	Phosphorous, Total (as P)	8.88 mg/L			EPA 365.3
01/14	1530	TSB	Solids, Total Suspended	22.4 mg/L			SM 2011 2540 D
01/09	1700	TWM	Fecal Coliform (MPN/100mL)	2756.0 /100mL			06/2012 Colilert18
01/10	1200	TSB	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B
01/14	0945	TSB	Nitrate + Nitrite	1.09 mg/L			01/2013 HACH 10206
01/23	1115	TSB	Nitrogen, Plant Available	49.6 mg/L			SM 1997 4500-N

Quality Assurance

Precision	Accuracy
% RPD	% Recovery
1.37	98.2 *
10.99	101.0 *
0.00	N/A *
0.46	109.0 *
0.00	N/A *
0.00	0.0 *
12.83	92.0 *
1.12	98.0 *

* 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.

333,806
10,288

288

NWA UTILITY SERVICES, INC

PO Box 9299
Fayetteville, AR
72703

LITTLE ROCK
SAT 15 FEB

ADEQ
WATER DIV. Permits
Branch
5301 Northshore Dr
N Little Rock, AR

72118-5317