

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

PERMITTEE NAME

First Asset Holding

FACILITY NAME

Deer Haven Subdivision

PERMIT NO.

4908-WR-2

PERMITTEE ADDRESS

PO Box 7  
Ft Smith AR 72902

FACILITY ADDRESS

15046 Smith Ridge Rd  
Garfield AR 72732


AFIN NO.

04-01681

WASTEWATER EFFLUENT MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
4/1/2019		4/30/2019	

**TREATED WASTEWATER EFFLUENT SAMPLING**

Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.206665	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, dally maximum *	REPORT	8,259	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	8.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	5.6	mg/l		
Fecal Coliform Bacteria (FCB)	4,000	4,839	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	5.68	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	21.4	mg/l	Grab sample once per quarter	
Ammonia Nitrogen	REPORT	18.3	mg/l		
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)	REPORT	0.66	mg/l		
Plant Available Nitrogen (PAN)	REPORT	19.9	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.	 <b>SIGNATURE OF COGNIZANT OFFICIAL</b>	TELEPHONE
Ken Gregory			(479) 530-5926
TYPED OR PRINTED			DATE 5/2/2019

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*)      We feel the over limit on fecals was due to lab pulling from wrong location. We have discussed with them the proper location to pull future samples. We will monitor and report.

* LOADING RATE BY ZONE						
Zone 1		1379.25	Zone 5		1379.25	
Zone 2		1379.25	Zone 6		1379.25	
Zone 3		1379.25				
Zone 4		1379.25				

# 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: 1904020085  
Customer Name : DEER HAVEN UTILITY LLC  
Customer/Permit No. : 1821 / 4908-WR-1  
Report Date : 04/19/19

Sample Date : 04/12/19  
Sample Time : 1324  
Sample Type : GRAB  
Sample From : DOSE TANK EFFLUENT

Collected By: NTR  
Delivery By : NTR  
Work Order :  
Purchase Order :

## Laboratory Analysis

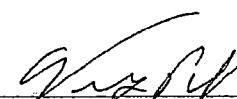
Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Precision % RPD	Accuracy % Recovery
04/12	1500	AKA	Ammonia as N, (HACH 10205)	18.30 mg/L			0.19	97.2 *
04/15	1145	AKA	Total Kjeldahl Nitrogen	21.4 mg/L			6.45	97.3 *
04/12	1325	NTR	pH	7.5 S.U.			0.00	N/A *
04/16	1100	AKA	Phosphorous, Total (as P)	5.680 mg/L			5.81	109.0 *
04/16	0900	TSB	Solids, Total Suspended	5.6 mg/L			3.51	N/A *
04/12	1650	AKA	Fecal Coliform (MPN/100mL)	> 4839.0 /100ml (b)			0.00	0.0
04/12	1400	TSB	BOD, Carbonaceous	8.8 mg/L			12.27	85.0 *
04/16	0930	AKA	Nitrate + Nitrite	0.66 mg/L			0.00	104.6 *
04/18	1325	AKA	Nitrogen, Plant Available	19.9 mg/L				

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

(b) Exceeds Permit Limits for Maximum Concentration

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.

Carlsbad, New Mexico  
575-887-1ESC

## CHAIN OF CUSTODY