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

PERMITTEE NAME							FACILITY NAME								
First Asset Holding							Deer Haven Subdivision								
-		PERMITTEE PO B Ft Smith A	ox 7		7	5		AFIN NO. 04-01681							
L					 		]								
							DD MM/DD/YYYY 7/31/2019								
TREATED V	/ASTE	WATER EFF	LUENT SA	MPLING											
Parameter							i	_imit	Sample Measurement	Units	Monitoring	R	eporting		
Flow, Monthly	y total	· · · · · · · · · · · · · · · · · · ·					RE	PORT	0.247725	MG	Total Flow per calendar month				
Flow, daily m	aximur	n*					RE	PORT	8,193	GPD	Daily				
Carbonaceou	s Bioci	nemical Oxyg	en Demand (	CBOD5)			-	30	< 2	mg/l					
Total Suspended Solids (TSS)								45	8	mg/l					
Fecal Coliform Bacteria (FCB)							4	,000	< 1	colonies/100ml	Grab Sample once per month				
рН							6.0	0 - 9.0	7.1	s.u.		L.	the 15th of the wing Month		
Total Phosphorus (TP)							RE	PORT	9.82	mg/l					
Total Kjeldahi Nitrogen (TKN)							RE	PORT	32.7	mg/l					
Ammonia Nit	rogen						RE	PORT	24	mg/l	Grab sample once per quarter				
Nitrate Nitrogen ( NO3-N) + Nitrite Nitrogen ( NO2-N)							RE	PORT	19.3	mg/l	Grab sample once per quarter				
Plant Available Nitrogen (PAN)								PORT	45.9	mg/l					
MANUE OF FRIEDRICH OF FREE PROPERTY							PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM WITH THE MITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS								
Ken Gregory IMMEDIATELY RES							PONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED her Legen								
INFORMATION IS TO PENALTIES FOR S						•	OFFICIAL DATE								
TYPED OR PRINTED IMPRISONMENT.								8/6/2019							
CO	MMEN	TS AND EXP	LANATION	OF VIOLATIONS	(Refere	ence all atte	achment	ts here)							
		* L	OADING R	ATE BY ZONE	-	<del></del>			<del></del>		• • •				
Zone 1 1368.23 Zone 5 1368.23								1							
Zone 2		1368.23	Zone 6	1368.23											
Zone 3		1368.23													

1368.23

Zone 4

## 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: 1907020076

Customer Name : DEER HAVEN UTILITY LLC

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

Report Date : 07/26/19

Sample Date : 07/19/19

Sample Time : 1440

Sample Type : DEER HAVEN UTILITY

Sample From : DOSE TANK EFFLUENT

Collected By: JEW

Delivery By : JEW

Work Order :

	Quality F	Assurance				
Analysis					Precision	Accuracy
Date Time By	Parameter	Result Notes	Quantity	<u>Method</u>	% RPD	% Recovery
07/19 1200 TSB	Ammonia as N, (HACH 10205)	24.00 mg/L		SM 2011 4500-NH3 F	0.53	98.0 *
.07/23 0900 TSB	Total Kjeldahl Nitrogen	32.7 mg/L		02/2014 HACH 10242	5.71	99.6 *
07/19 1440 JEW	рн	7.1 S.U.		SM 2011 4500~H+ B	0.00	N/A *
07/23 1200 TSB	Phosphorous, Total (as P)	9.820 mg/L		EPA 365,3	0.00	103.0
07/25 1200 TSB	Solids, Total Suspended	8.0 mg/L		SM 2011 2540 D	7.59	N/A *
07/19 1650 TSB	Fecal Coliform (MPN/100mL	< 1.0 /100ml		06/2012 Colilert18	0.00	0.0 *
07/19 1700 TSB	BOD, Carbonaceous	< 2.0 mg/L		SM 2001 5210 B	6.87	88.0 *
07/23 0900 TSB	Nitrate + Nitrite	19.30 mg/L		01/2013 HACH 10206	1.20	97.0 *
07/23 1545 TSB	Nitrogen, Plant Available	45 9 mg/T		SM 1997 4500-N		

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.

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

## 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

Phone: 479-750-1170				Cr	IAIN C																
Client Information							Project Information							Re	ques	<u>sted</u>	Parameters				
Company Name: Deer Haven Utility LLC								Permit/Project #:									66				
Address: PO Box 127								Purchase Order #:								1=	66				
Avoca Ar 72711															_	(3)	A				
Telephone:								Sampler Name(s): James With James Wittse (451) (4.56) (15.8)													
Telephone:							N03 + 43.IF)														
•								and Signature(s):									TS	4			
ESC Client Number	•••	18:	21					Purchase Order #:  Sampler Name(s): James With James Withse and Signature(s):  Collection Sample Containers  Type Matrix Type Volume Preservative # 43 IF)  Purchase Order #:  (E2), NH, 16, C), NG, C), NG, C)  Sample Containers  Type Matrix Type Volume Preservative # 43 IF)													
Sample	Identif	fication			Sample			Collection			Sample (	Containers			25		ao O	등		- 1	
Identification ESC Control #				Date		Time		Туре	Matrix	Туре	Volume	Preserva		# 7	TP(25	S-TKN	B	F. (			
Dose Tank/Effluent		1907020076		7-19-19		1440		GRAB	Water	teflon	150 ml	none			ĸ						
Dose Tank/Efflue	ent							GRAB	Water	Plastic	8 oz	H₂SO₄,pH<	2	1	<b>&gt;</b>	( X					
Dose Tank/Effluent								GRAB	Water	Plastic	1 qt	none/ice		1			X				
Dose Tank/Efflue	ent							GRAB	Water	Whirlpak	100 ml	none/ice		1				х			
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Relinquished By: (Signature and Printed Name)  Date  7. (9-19)						11 7	ne S	Received By: (Signature and Printed Name) Date Time					- 1	istody ed?	Seals:	7	Inter	I	_		
Relinquished By: (Signature and Printed Name)					7-19-19 1625 Date Time			Received By: (Signature and Printed Name)		Name)		Date				around:					
Relinauished By: (Signature and Printed Name) Date						771	ne	Basshard for Cab	- (C) (A) - 1014 (C) - (			Date			Regular X			Special			
Reilinquished By: (Signature and Printed Name)					( <del>0</del>	170		Dunos D	Received for hab By: (Signature and I		1000	7-19-19	Time 1625			samples properly		y preservea: No			
Comments:							دى "	FLOW DA	ATA	Field Test		Analyst		Result Result			:	; Units			
									Analyst: Time:		pH: Temp.;			, 7	7.9	7.1		<del>(C) "F</del>		°F	_
									Reading:		DO:	1740	y.c.u	4	T1	12-4	. 7	<u> </u>			
					<del></del>		·		Units: Debris:						1-			<del>., .</del> -			
		- Chlorinated? Yes No This Document is Page /								of <u></u>											