


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

PERMITTEE NAME
Deer Haven Utility
PERMITTEE ADDRESS
PO Box 9299 Fayetteville AR 72703

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
10/1/2020		10/31/2020

TREATED WASTEWATER EFFLUENT SAMPLING					
Parameter	Limit	Sample Measurement	Units	Monitoring	Reporting
Flow, Monthly total	REPORT	0.381,456	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum *	REPORT	0.013,752	GPD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	30	< 2.0	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	45	25.3	mg/l		
Fecal Coliform Bacteria (FCB)	4,000	< 1.0	colonies/100ml		
pH	6.0 - 9.0	7.5	s.u.		
Total Phosphorus (TP)	REPORT	8.38	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	55.3	mg/l		
Ammonia Nitrogen	REPORT	46.2	mg/l		
Nitrate Nitrogen (NO ₃ -N) + Nitrite Nitrogen (NO ₂ -N)	REPORT	0.88	mg/l		
Plant Available Nitrogen (PAN)	REPORT	49.8	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	
Kathy Bartlett				(479) 530-5926	
TYPED OR PRINTED				DATE	
					11/12/2020

COMMENTS AND EXPLANATION OF VIOLATIONS (<i>Reference all attachments here</i>)
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* LOADING RATE BY ZONE					
Zone 1	2292	Zone 5	2292		
Zone 2	2292	Zone 6	2292		
Zone 3	2292				
Zone 4	2292				

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: 2010020049
Customer Name : DEER HAVEN UTILITY LLC
Customer/Permit No. : 1821 / 4908-WR-1
Report Date : 10/23/20

Sample Date : 10/15/20
Sample Time : 1430
Sample Type : GRAB
Sample From : DOSE TANK/EFFLUENT

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

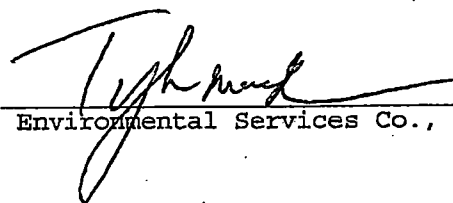
Laboratory Analysis

Analysis									Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method		Precision % RPD	Accuracy % Recovery
10/16	1500	HNS	Ammonia as N, (HACH 10205)	46.20 mg/L			SM 2011 4500-NH3 F		0.19	103.0 *
10/20	1050	TWM	Total Kjeldahl Nitrogen	55.3 mg/L			02/2014 HACH 10242		0.63	102.0
10/15	1435	TWM	pH	7.5 S.U.			SM 2011 4500-H+ B		0.00	N/A
10/19	1130	HNS	Phosphorous, Total (as P)	8.38 mg/L			EPA 365.3		0.00	106.0 *
10/19	0900	HNS	Solids, Total Suspended	25.3 mg/L			SM 2011 2540 D		0.00	N/A *
10/15	1715	HNS	Fecal Coliform (MPN/100mL)	< 1.0 /100mL			06/2012 Colilert18		0.00	N/A *
10/16	0900	TWM	BOD, Carbonaceous	< 2.0 mg/L			SM 2001 5210 B		0.00	86.4 *
10/20	1535	TWM	Nitrate + Nitrite	0.88 mg/L			01/2013 HACH 10206		0.18	104.0
10/21	1730	TWM	Nitrogen, Plant Available	49.8 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.

KNM
381456
1375A



Carlsbad, New Mexico
575-887-1ESC

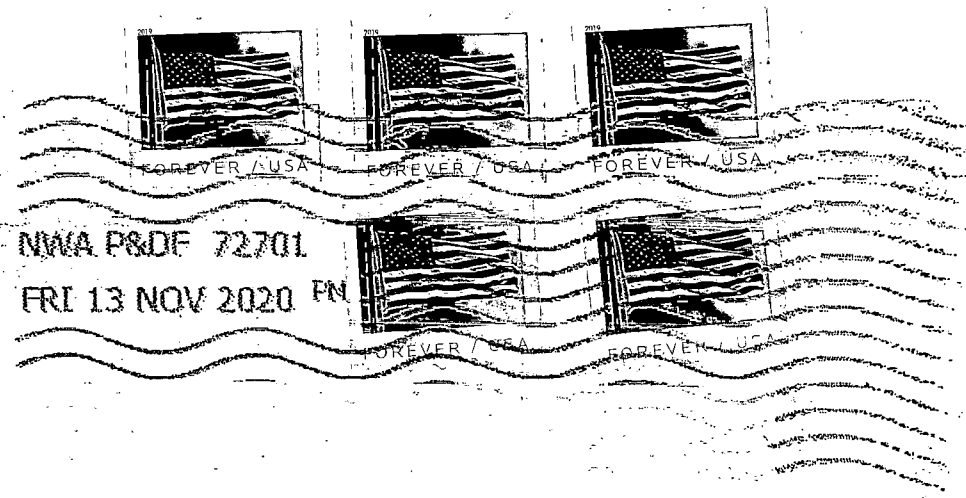
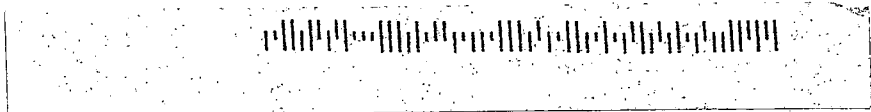
CHAIN OF CUSTODY

Client Information						Project Information							Requested Parameters												
Company Name: Deer Haven Utility LLC Address: PO Box 127 Avoca Ar 72711 Telephone: Telephone:						Permit/Project #: Purchase Order #: Sampler Name(s): [Signature] and Signature(s): [Signature]							TP(25),NH ₃ -N(15.A), S-TKN (16.C), NO ₃ +NO ₂ (91) CBOD(70), TSS(28),PAN(99.99) F. Coliform (43.IF) pH(23)												
ESC Client Number: 1821																									
Sample Identification		Sample Collection				Sample Containers																			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	X	X														
Dose Tank/Effluent	2810VZ-004g	10/15/20	1430	GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1	X	X														
Dose Tank/Effluent	[Arrow]	[Arrow]	[Arrow]	GRAB	Water	Plastic	1 qt	none/ice	1			X													
Dose Tank/Effluent	[Arrow]	[Arrow]	[Arrow]	GRAB	Water	Sterile	100 ml	none/ice	1												X				
Dose Tank/Effluent	[Arrow]	[Arrow]	[Arrow]	GRAB	Water	Glass	8 oz	none/ice	0													X			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals: Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/> Turnaround: Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>															
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Were samples properly preserved: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
Relinquished By: (Signature and Printed Name) [Signature]		Date	Time	Received by Lab By: (Signature and Printed Name) [Signature]				Date	Time																
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units													
						Analyst:	pH:	1435	[Signature]	7.5	7.5														
						Time:	Temp.:					°C °F													
						Reading:	DO:																		
						Units:	Debris:																		
G:\WP5\FORMSICHAIN.XLS Cool all samples to 6 degrees C.						Chlorinated? Yes No				This Document is Page ___ of ___															



NWA Utility Services Inc
PO Box 9299
Fayetteville, AR 72703

ADEQ
WATER DIVISION/PERMITS BRANCH
5301 Northshore Drive
N Little Rock, AR 72118-5317



NWA P&DF 72701

FRI 13 NOV 2020 PM