

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

PERMITTEE NAME

Waterford Estates at Hissom Ranch POA

PERMITTEE ADDRESS

3567 W New Hope Rd
Rogers, AR 72756

FACILITY NAME (IF DIFFERENT)

Waterford Estates at Hissom Ranch POA

FACILITY ADDRESS

2323 Bowen Blvd
Fayetteville AR 72703

PERMIT NO.

4815-WR-4

AFIN NO.

72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY


2/1/2018

MM/DD/YYYY

2/28/2018

TREATED WASTEWATER EFFLUENT SAMPLING

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	1.000923	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximun	REPORT	0.046354	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	20.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	13	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	370	colonies/100ml		
pH	6.0 - 9.0	7.7	s.u.		
Total Phosphorus (TP)	REPORT	6.5	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	No Report	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	No Report	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	No Report	mg/l		
Plant Available Nitrogen (PAN)	REPORT	No Report	mg/l		
Loading Rate	REPORT	See Attached	gpd/ft 2	Daily	

NAME/TITLE 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 PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
Kathy Bartlett			(479) 530-5926	3/9/2018
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) We feel the extreem cold has killed some bactreia in the plant, and could have had a slight toxic kill as well. We have drained the clarifier into the recirc tank and washed it down, have hauled 5,000 gallons of sludge from recirc tank by septic hauler, and will have another 5,000 gallons hauled ASAP. We will be adding enzymes as per plant manufacturers recommendation to help restore the treatment biology. We will monitor and report.

Feb 2018 WATERFORD ESTATES LOADING RATES 46,354 Max day

Zone Identification	GPD/sq 2
Zone 1A	3,847
Zone 1B	3,662
Zone 2A	3,662
Zone 2B	3,477
Zone 3A	3,662
Zone 3B	3,662
Zone 4A	3,662
Zone 4B	3,662
Zone 5A	4,056
Zone 5B	4,246
Zone 6A	4,056
Zone 6B	4,635

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: 1802020187
Customer Name : WATERFORD UTILITY, LLC
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 02/28/18

Sample Date : 02/21/18
Sample Time : 0855
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: JCB
Delivery By : JCB
Work Order :
Purchase Order :

Laboratory Analysis							Quality Assurance	
Analysis							Precision	Accuracy
Date	Time	By	Parameter	Result	Notes	Quantity	% RPD	% Recovery
02/21	0855	JCB	pH	7.7 S.U.			0.00	N/A
02/27	1100	TSB	Phosphorous, Total (as P)	6.5 mg/L			0.00	100.6 *
02/27	1200	JCB	Solids, Total Suspended	13.0 mg/L			12.43	N/A *
02/21	1350	AEU	Coliform, Fecal	370 /100ml			2.67	N/A
02/21	1400	TSB	BOD, Carbonaceous	20.8 mg/L	(b)		0.00	100.0 *
02/21	0855	JCB	Sample Collection/Travel	1 each				

* 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

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