

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

PERMITTEE NAME

Goshen POID #2

PERMITTEE ADDRESS

3838 Oaklawn Drive Suite 920
 Dallas TX 75219

FACILITY NAME (IF DIFFERENT)

Waterford estates at Hissom Ranch

FACILITY ADDRESS

2323 Bowen Blvd
 Fayetteville AR 72703

PERMIT NO.

4815-WR-4

AFIN NO.

72-00974

WASTEWATER EFFLUENT MONITORING PERIOD

MM/DD/YYYY

3/1/2016

MM/DD/YYYY

3/31/2016

TREATED WASTEWATER EFFLUENT SAMPLING


PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.697865	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maximum	REPORT	0.035986	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	5.8	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	< 2	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	60	colonies/100ml		
pH	6.0 - 9.0	7.9	s.u.		
Total Phosphorus (TP)	REPORT	7	mg/l		
Total Kjeldahl Nitrogen (TKN)	REPORT	71.68	mg/l	Grab sample once per quarter	
Ammonia Nitrogen (NH3-N)	REPORT	68.4	mg/l		
Nitrate Nitrogen (NO3-N) + Nitrite Nitrogen (NO2-N)	REPORT	0.9	mg/l		
Plant Available Nitrogen (PAN)	REPORT	70.3	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.

Kathy Bartlett

TYPED OR PRINTED



SIGNATURE OF PRINCIPAL

EXECUTIVE OFFICER OR

AUTHORIZED AGENT

TELEPHONE

(479) 530-5926

DATE

4/8/2016

MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here)

WATERFORD ESTATES LOADING RATES

Zone Identification	GPD/sq 2
Zone 1A	2,987
Zone 1B	2,843
Zone 2A	2,843
Zone 2B	2,699
Zone 3A	2,843
Zone 3B	2,843
Zone 4A	2,843
Zone 4B	2,843
Zone 5A	3,149
Zone 5B	3,296
Zone 6A	3,149
Zone 6B	3,599

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: 1603020221
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 03/22/16

Sample Date : 03/16/16
Sample Time : 0820
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

Collected By: WDS
Delivery By : WDS
Work Order :
Purchase Order :

Laboratory Analysis

Analysis							Quality Assurance	
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision
								% RPD
03/17	0830	TSB	Ammonia Nitrogen	68.4 mg/L			SM 1997 4500-NH3 F	0.36
03/22	0830	TSB	Kjeldahl Nitrogen Total	71.68 mg/L			SM 1997 4500-NorgB	1.87
03/16	0820	WDS	pH	7.9 S.U.			SM 2000 4500-H+ B	0.00
03/21	1330	TSB	Phosphorous, Total (as P)	7.0 mg/L			EPA 365.3	1.68
03/21	1100	CLS	Solids, Total Suspended	< 2.0 mg/L			SM 1997 2540 D	0.00
03/16	1620	RHB	Coliform, Fecal	60 /100ml			SM 1997 9222 D	0.00
03/16	1400	TSB	BOD, Carbonaceous	5.8 mg/L			SM 2001 5210 B	0.00
03/21	1445	TSB	Nitrate + Nitrite	0.9 mg/L			SM 2000 4500-NO3 E	0.90
03/22	1630	TSB	Nitrogen, Plant Available	70.3 mg/L			SM 1997 4500-N	
								% Recovery
								108.0 *
								100.5 *
								N/A *
								100.8 *
								N/A *
								N/A *
								101.0 *
								98.7 *

* 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

Richard Broom

Environmental Services Co., Inc.

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

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