

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


PERMITTEE NAME
Goshen Municipal 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	MM/DD/YYYY
2/1/2016	2/29/2016

TREATED WASTEWATER EFFLUENT SAMPLING					
PARAMETER	Limit	Sample Measurement	UNITS	Monitoring	Reporting
Flow, Monthly total	REPORT	0.7256	MG	Total Flow per calendar month	Prior to the 15th of the following Month
Flow, daily maxlmun	REPORT	0.0025245	MGD	Daily	
Carbonaceous Biochemical Oxygen Demand (CBOD5)	15	2.4	mg/l	Grab Sample once per month	
Total Suspended Solids (TSS)	15	6	mg/l		
Fecal Coliform Bacteria (FCB)	2,000	< 2	colonies/100ml		
pH	6.0 - 9.0	7.9	s.u.		
Total Phosphorus (TP)	REPORT	7.5	mg/l	Grab sample once per quarter	
Total Kjeldahl Nitrogen (TKN)	REPORT	54.2	mg/l		
Ammonia Nitrogen	REPORT	53.7	mg/l		
Nitrate Nitrogen	REPORT	1.5	mg/l		
Nitrite Nitrogen	REPORT	1.5	mg/l		
Plant Available Nitrogen (PAN)	REPORT	55.4	mg/l		
Loading Rate	REPORT	** See Note below**	gpd/ft 2	Continuous	

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	3-1-2016
TYPED OR PRINTED				MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (Reference all attachments here) *** NOTE *** Equipment at this site is not installed to monitor this parameter. A Permit revision has been submitted.

Ponding in dripfield has been noticed, and repair request issued to contractor for repair

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: 1602020205
Customer Name : GREENFIELD CAP DEV-WATERFORD
Customer/Permit No. : 1886 / 4815-WR-4
Report Date : 02/24/16

Sample Date : 02/17/16
Sample Time : 0830
Sample Type : GRAB WATERFORD
Sample From : DOSE TANK EFFLUENT

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

Laboratory Analysis							Quality Assurance		
Analysis			Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By						% RPD	% Recovery
02/18	1000	TSB	Ammonia Nitrogen	53.7 mg/L			SM 1997 4500-NH3 F	0.69	103.0
02/23	0900	TSB	Kjeldahl Nitrogen Total	54.20 mg/L			SM 1997 4500-NorgB	0.00	100.4 *
02/17	0830	WDS	pH	7.9 S.U.			SM 2000 4500-H+ B	0.00	N/A *
02/22	1100	TSB	Phosphorous, Total (as P)	7.5 mg/L			EPA 365.3	2.86	102.8 *
02/19	1300	MDR	Solids, Total Suspended	6.0 mg/L			SM 1997 2540 D	33.33	N/A
02/17	1700	RHB	Coliform, Fecal	< 2 /100ml			SM 1997 9222 D	0.00	N/A *
02/17	1400	TSB	BOD, Carbonaceous	2.4 mg/L			SM 2001 5210 B	10.40	112.0 *
02/18	1400	TSB	Nitrate + Nitrite	1.5 mg/L			SM 2000 4500-NO3 E	0.00	102.5 *
02/24	1030	TSB	Nitrogen, Plant Available	55.4 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 Richard Brown
Environmental Services Co., Inc.

Carlsbad, New Mexico
575-887-1ESC

CHAIN OF CUSTODY

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