

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

PERMITTEE NAME
Greenfield Capital Development

FACILITY NAME (IF DIFFERENT)
Villages of Cross Creek

PERMIT NO.
4811-WR-1

PERMITTEE ADDRESS
PO Box 9299
Fayetteville, AR 72703

FACILITY ADDRESS
3302 Dixieland Rd Little Flock, AR


AFIN NO.
04-00899

WASTEWATER EFFLUENT MONITORING PERIOD

FROM	MM/DD/YYYY	MM/DD/YYYY
	11/1/2015	11/30/2015

TREATED WASTEWATER EFFLUENT SAMPLING

PARAMETER	PERMIT REQUIREMENT	SAMPLE MEASUREMENT		UNITS	FREQUENCY OF ANALYSIS	SAMPLE TYPE
PHOSPHOROUS, TOTAL (AS P) EFFLUENT GROSS VALUE	*****	5.4		MG/L	ONCE/ MONTH	GRAB
CBOD, 5-DAY (20 DEG. C) EFFLUENT GROSS VALUE	30	16.8		MG/L	ONCE/ MONTH	GRAB
PH EFFLUENT GROSS VALUE	6 to 9	7.1		S.U.	ONCE/ MONTH	GRAB
SOLIDS, TOTAL SUSPENDED EFFLUENT GROSS VALUE	30	20		MG/L	ONCE/ MONTH	GRAB
NITROGEN, AMMONIA TOTAL (AS N) EFFLUENT GROSS VALUE	*****	26.3		MG/L	ONCE/ MONTH	GRAB
COLIFORM, FECAL GENERAL EFFLUENT GROSS VALUE	10,000	18		N/100 ML	ONCE/ MONTH	GRAB
FLOW, THRU CONDUIT OR TREATMENT UNIT EFFLUENT GROSS VALUE	*****	MONTHLY TOTAL	DAILY MAX	GPD	ONCE/ MONTH	TOTAL FLOW
		576,172	21,508			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND 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	
Kathryn Bartlett			479	530-5926	12/8/2015
TYPED OR PRINTED			AREA CODE	NUMBER	MM/DD/YYYY

COMMENTS AND EXPLANATION OF VIOLATIONS (*Reference all attachments here*) We are aware of ponding on our drip fields. We have been in contact with ADEQ about this issue, and are currently working toward a solution. Please refer to letter sent by Kathy Bartlett addressing the need for a CAP.

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: 1511020426	Sample Date : 11/30/15	Collected By: WDS
Customer Name : GREENFIELD CAP DEV-VIL @ CC EFF	Sample Time : 1355	Delivery By : WDS
Customer/Permit No. : 1698 / 4811-WR-2 001	Sample Type : GRAB	Work Order :
Report Date : 12/07/15	Sample From : DOSE TANK/EFFLUENT	Purchase Order :

Laboratory Analysis

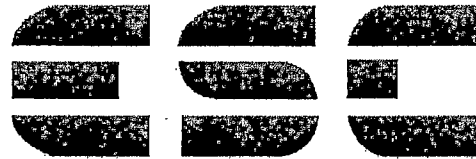
Analysis						Quality Assurance			
Date	Time	By	Parameter	Result	Notes	Quantity	Method	Precision	Accuracy
								% RPD	% Recovery
12/02	0900	TSB	Ammonia Nitrogen	26.3 mg/L			SM 1997 4500-NH3 F	1.09	103.9 *
11/30	1355	WDS	pH	7.1 S.U.			SM 2000 4500-H+ B	0.00	N/A *
12/01	1115	TSB	Phosphorous, Total (as P)	5.4 mg/L			EPA 365.3	0.00	106.0 *
12/04	0930	TSB	Solids, Total Suspended	20.0 mg/L			SM 1997 2540 D	4.88	N/A
11/30	1440	WDS	Coliform, Fecal	18 /100ml			SM 1997 9222 D	22.22	N/A
12/02	1200	TSB	BOD, Carbonaceous	16.8 mg/L			SM 2001 5210 B	25.51	101.9 *

* 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.

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 Fax: 479-750-1172

CHAIN OF CUSTODY

Client Information				Project Information							Requested Parameters									
Company Name:		Greenfield Capital-Villages @ Cross C		Permit/Project #:							pH(23)	Phos(25), NH ₃ -N(15.A)	CBOD(70), TSS(28)	F. Coliform (43)						
Address:		3302 N. Dixieland		Purchase Order #:																
		Rogers AR		Sampler Name(s):		Wade Schmitt														
Telephone:		(479)936-0333 (Cell)		and Signature(s):		[Signature]														
Telephone:				ESC Client Number:		1698														
Sample Identification		Sample Collection				Sample Containers				pH(23)	Phos(25), NH ₃ -N(15.A)	CBOD(70), TSS(28)	F. Coliform (43)							
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
Dose Tank/Effluent	1511020426	11-30-15	13:55	GRAB	Water	teflon	150 ml	none	1	X										
				GRAB	Water	Plastic	8 oz	H ₂ SO ₄ , pH<2	1		X									
				GRAB	Water	Plastic	1 qt	none/ice	1			X								
				GRAB	Water	Whirlpak	300ml	NaS ₂ O ₄	1				X							
Relinquished By: (Signature and Printed Name)		Date		Time		Received By: (Signature and Printed Name)		Date		Time		Custody Seals:								
[Signature]		11-30-15		14:20		[Signature]		11-30-15		14:20		Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date		Time		Received By: (Signature and Printed Name)		Date		Time		Turnaround:								
												Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date		Time		Received for Lab By: (Signature and Printed Name)		Date		Time		Were samples properly preserved:								
						Richard Brown RICHARD BROWN		11-30-15		14:20		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Comments:						FLOW DATA		Field Test		Time		Analyst		Result		Result		Units		
						Analyst:		pH:		13:55		WOS		7.1						
						Time:		Temp.:		13:55		WOS		19.9		°C		°F		
						Reading:		DO:												
						Units:		Debris:												
Cool all samples to 6 degrees C.								Chlorinated? Yes No				This Document is Page ___ of ___								