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Laboratory Analysis Report

Client: Galveston County MUD 12
TOPS
9835 Whithorn Dr
Houston, TX 77095

Project ID: GC MUD 12 Effluent
Report for: September, 2020
Customer ID: C-GAL12
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SAMPLING DATA	DATE COLLECTED	9/3/2020	9/10/2020	9/10/2020	9/17/2020	9/25/2020	
	DATE RECEIVED	9/3/2020	9/10/2020	9/10/2020	9/17/2020	9/25/2020	
	TIME COLLECTED	9:05	9:50	9:50	9:50	12:09	
	SAMPLING POINT	Effluent	Effluent	Effluent	Effluent	Effluent	
	TYPE OF SAMPLE	Grab	Grab	Grab	Grab	Grab	
	COLLECTED BY	DCH	WGW	WGW	WGW	LOG	
	SAMPLE NUMBER	COI0855-01	COI2314-01	COI2315-01	COI3925-01	COI5604-01	
FIELD DATA		9/3/2020	9/10/2020		9/17/2020	9/25/2020	
		9:05	9:50		9:50	12:09	
		DCH	WGW		WGW	LOG	
SM 4500 O G	DO (mg/L)	7.5	7.3		7.4	7.6	
	Flow (MGD)	0.1282	0.232		0.286	0.1992	
SM 4500 H + B	pH (std unit)	7.3	7.1		7.2	7.0	

ANALYSIS DATA

BOD 5 mg/L *A	Results Analysis Date Analyst	<2.0 9/4/2020 8:00 JRH	<2.0 9/11/2020 8:00 JRH		<2.0 9/18/2020 7:00 JRH	<2.0 9/25/2020 17:00 JRH	
Enterococcus mpn/100ml *A	Results Analysis Date Analyst			2 9/10/2020 15:49 ACW			
TSS mg/L *A	Results Analysis Date Analyst	3.1 9/4/2020 17:26 CSW	1.4 9/11/2020 14:02 GRI		2.8 9/18/2020 11:03 CSW	7.9 9/28/2020 10:46 WLS	
TVSS mg/L *A	Results Analysis Date Analyst	2.2 9/8/2020 8:20 CSW	1.1 9/14/2020 14:53 WLS		1.6 9/21/2020 16:01 CSW	4.3 9/29/2020 13:52 CSW	

*NELAC Status: A=Accredited, N=Accreditation not offered, O=Not Accredited, P=Approved



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Laboratory Analysis Report

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		Report for:	September, 2020
		Customer ID:	C-GAL12
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SAMPLING DATA	DATE COLLECTED	DATE RECEIVED	TIME COLLECTED	SAMPLING POINT	TYPE OF SAMPLE COLLECTED BY	SAMPLE NUMBER	Method No.	
							Avg	Max #/Day
FIELD DATA								
SM 4500 O G	DO (mg/L)							
	Flow (MGD)							
SM 4500 H + B	pH (std unit)							

ANALYSIS DATA

BOD 5 mg/L *A	Results Analysis Date Analyst					SM 5210 B 2.00	2 3.53
Enterococcus mpn/100ml *A	Results Analysis Date Analyst					Enterolert IDEXX GeoMean 2.00	
TSS mg/L *A	Results Analysis Date Analyst					SM 2540 D 3.80	7.9 6.46
TVSS mg/L *A	Results Analysis Date Analyst					EPA 160.4 2.30	4.3 3.86

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COI2314-01	BOD 5	13	LCS associated with sample batch outside of acceptance limits.
COI3925-01	TSS	25	Residue not in the method range of 2.5-200 mg.
COI3925-01	TVSS	25	Residue not in the method range of 2.5-200 mg.
COI5604-01	BOD 5	13	LCS associated with sample batch outside of acceptance limits.

Sampling and analyses are performed in accordance with EPA and TCEQ guidelines for QA. Records are available for inspection. Field tests, bacteriologicals, phenols, and oil and grease analyses are performed on grab samples; see the chain of custody for complete details. All Field Data marked "Clie" are reported at the request of our client, Eastex has no bearing on the accuracy, nor the method used in these instances. All metal analyses are performed at the Coldspring Laboratory unless otherwise indicated. Alkalinity titrated to pH 4.5 endpoint. The test results in this report relate only to the samples received and the report shall not be reproduced except in full with the approval of the laboratory.

Natalia Bondar – Wet Lab Technical Director



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Laboratory Analysis Report

Client:	Galveston County MUD 12 TOPS 9835 Whithorn Dr Houston, TX 77095	Project ID:	GC MUD 12 Influent
		Report for:	September, 2020
		Customer ID:	C-GAL12
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SAMPLING DATA	DATE COLLECTED	9/3/2020	9/10/2020	9/17/2020	Method No.	
		DATE RECEIVED	9/3/2020	9/10/2020	9/17/2020	Avg
	TIME COLLECTED	9:10	9:40	9:40		
	SAMPLING POINT	Influent	Influent	Influent		
	TYPE OF SAMPLE	Grab	Grab	Grab		
	COLLECTED BY	DCH	WGW	WGW		
	SAMPLE NUMBER	COI0857-01	COI2316-01	COI3926-01		
FIELD DATA		9/3/2020	9/10/2020	9/17/2020		
		9:10	9:40	9:40		
		DCH	WGW	WGW		
SM 4500 H + B	pH (std unit)	7.4	7.2	7.5		

ANALYSIS DATA

BOD 5	Results	234	89.4	94.8	SM 5210 B	
mg/L	Analysis Date	9/4/2020 8:00	9/11/2020 8:00	9/18/2020 7:00	139	234
*A	Analyst	JRH	JRH	JRH		
TSS	Results	370	120	104	SM 2540 D	
mg/L	Analysis Date	9/4/2020 17:26	9/11/2020 14:02	9/18/2020 11:03	198	370
*A	Analyst	CSW	GRI	CSW		
TVSS	Results	348	90.0	80.0	EPA 160.4	
mg/L	Analysis Date	9/8/2020 8:20	9/14/2020 14:53	9/21/2020 16:01	173	348
*A	Analyst	CSW	WLS	CSW		

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LABORATORY ANALYTICAL REPORT

Project: GC MUD 12 Digester

Sample Site:	Digester 1	Sample Number:	C015603-01		Collector:	LOG			
Sample Type:	Grab				Sampled:	09/25/2020 12:12			
Sample Matrix:	Waste				Received:	09/25/2020 15:43			
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Percent Solid	1.6	0.1	%	A	B013894	09/28/2020 10:10	TDS	SM 2540G	
Volatile Percent Solid	47.4	0.1	%	A	B013891	09/29/2020 09:40	TDS	SM 2540G	

Sample Site:	Digester 2	Sample Number:	C015603-02		Collector:	LOG			
Sample Type:	Grab				Sampled:	09/25/2020 12:12			
Sample Matrix:	Waste				Received:	09/25/2020 15:43			
Analyte	Result	Reporting Limit	Units	Nelac Status	Batch	Analyzed	Analyst	Method	Notes
Percent Solid	1.7	0.1	%	A	B013894	09/28/2020 10:10	TDS	SM 2540G	
Volatile Percent Solid	44.9	0.1	%	A	B013891	09/29/2020 09:40	TDS	SM 2540G	

Natalia Bondar, Wet Lab Technical Director

