

Calculation of Average Injection Rate

CURRENT REPORTING YEAR	2014		
CURRENT REPORTING MONT			
Date (month, year) of the first inju		— at the Citrin Road Fa	icility
UdemBer 2013			•
CURRE	NT MONTH (all volu	imes in gallons)	•
	Injected Waste	Injected Non-Waste	Total injected
M	I-163-1W-C010,	Well #1-12	
Current Month	0	0	0
Since facility first injected			310,140
M	I-163-1W-C011, v	Vell #2-12	
Current Month	227, 891	0	227,891
Since facility first injected			842,339
		Lifetime Combined	842,339 1,152,479
Conversion factors 65.25 days per year ÷ 12 months 0.4375 days per month × 1440 m	~ *	· ·	1
Whole number of months of inject	ion7 onths of injection × 43		minutes of injection
ifetime combined injected volum	e 1.152.479	* 306. 810 min	utes of injection

= 3.8 gpm average injection rate

WELL 1 DATA

SUMMARY OF OPERATING, MONITORING AND REPORTING REQUIREMENTS Injection Well I

	Month: May	Year: 2014		
CHARACTERISTIC	LIMITATION	MINIMUM MONITORING FREQUENCY	MINIMUM REPORTING FREQUENCY	STATUS
Injection Pressure	765 psig maximum	continuous	monthly	795 psig
Annulus Injection Pressure	100 psig minimum	continuous	monthly	3 psig
Annulus/Tubing Diff	100 psig minimum above injection pressure	continuous	monthly	Graph attached
Injection Rate (Average both wells)	166 gpm	continuous	monthly	3.5 gpm
Injection Rate (Maximum instantaneous)	270 gpm	continuous	monthly	47 gpm
Sight Glass Level		continuous	monthly	Graph attached
Annulus Fluid Loss		monthly	monthly.	200 gal
Cumulative Volume		daily	monthly	1757 gal
Temperature		6-hour intervals	monthly	Graph attached
Corrosion Monitoring	·	monthly	monthly	Report attached
Repair and Maintenance		NA	monthly	Log attached
Toxicity Characteristic List		annually	monthly	NA
Fingerprint Analysis		per load	monthly	Sheets attached
Chemical Composition and Physical Characteristics of Injected Oilfield Brine		annually	annually	NA
pH of Injected Fluids	***************************************	continuous	monthly	Graph attached

Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen - Well 1 Annulus Pressure

Channel #3

Green Pen - Well 1 Flow Rate

Channel #4

Black Pen - Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure

Channel #2

Red Pen - Well 2 Annulus Pressure

Channel #3

Green Pen - Well 2 Flow Rate

Channel #4

Black Pen - Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2

Channel #2

Red Pen - Well 1 Monthly Volume

Channel #3

Green Pen - Well 2 Monthly Volume

Channel #4

Black Pen - Temperature

MEMORANDUM

Date: 5/29/14

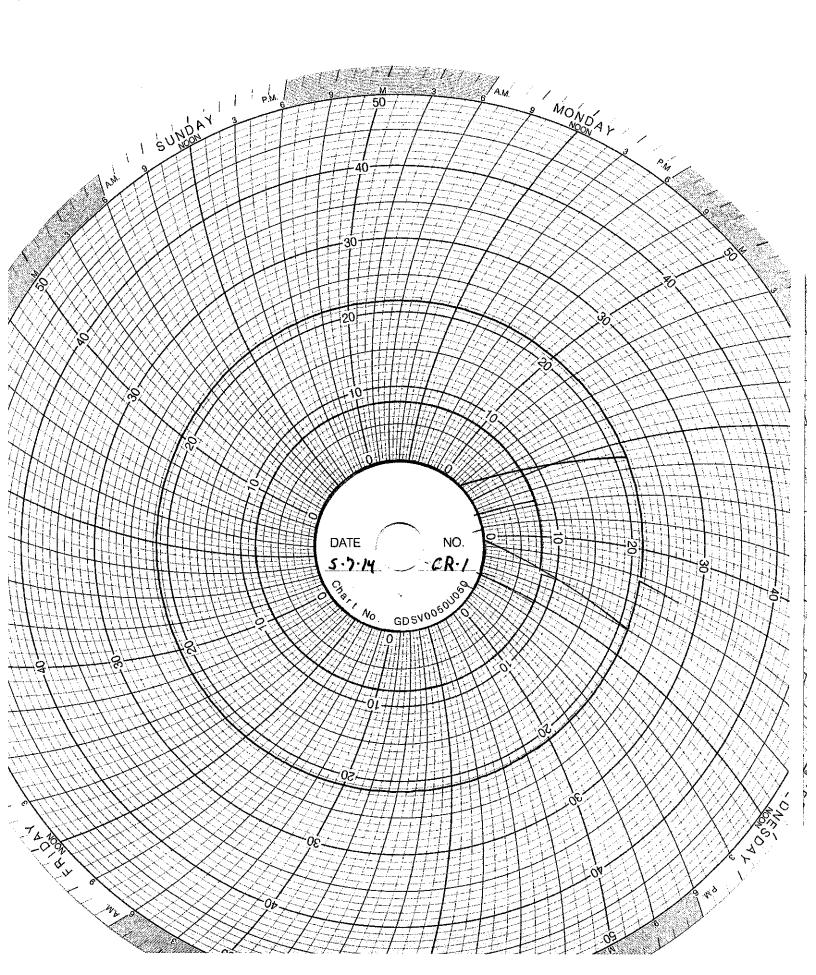
To: File

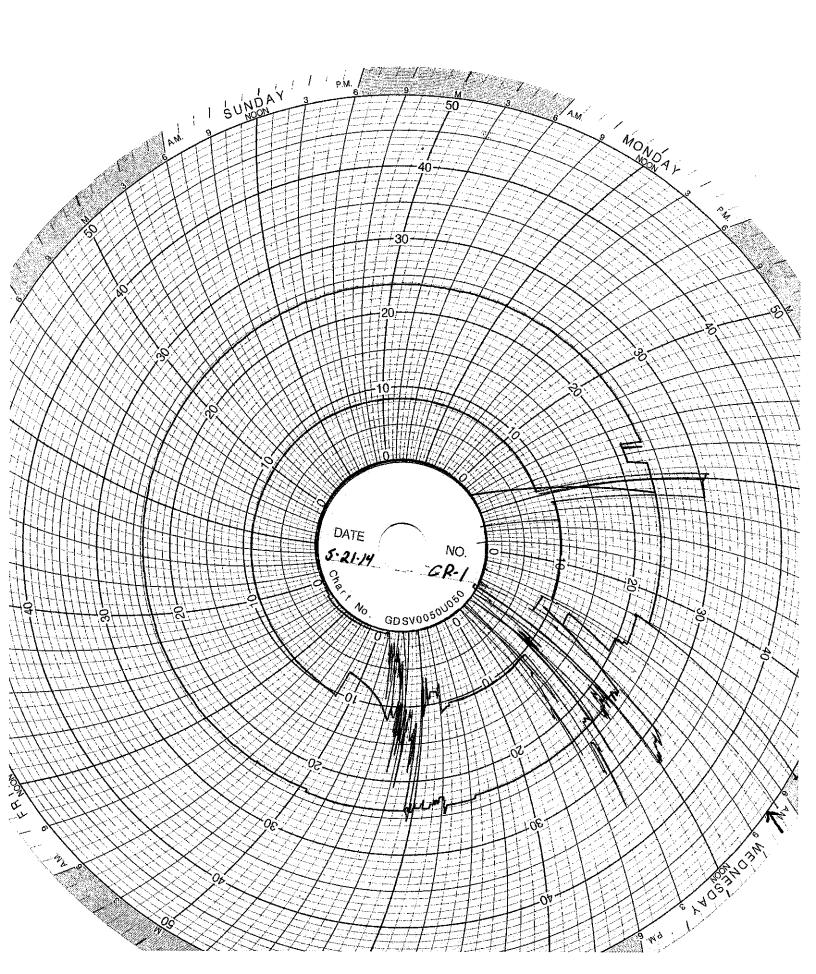
From: John Frost

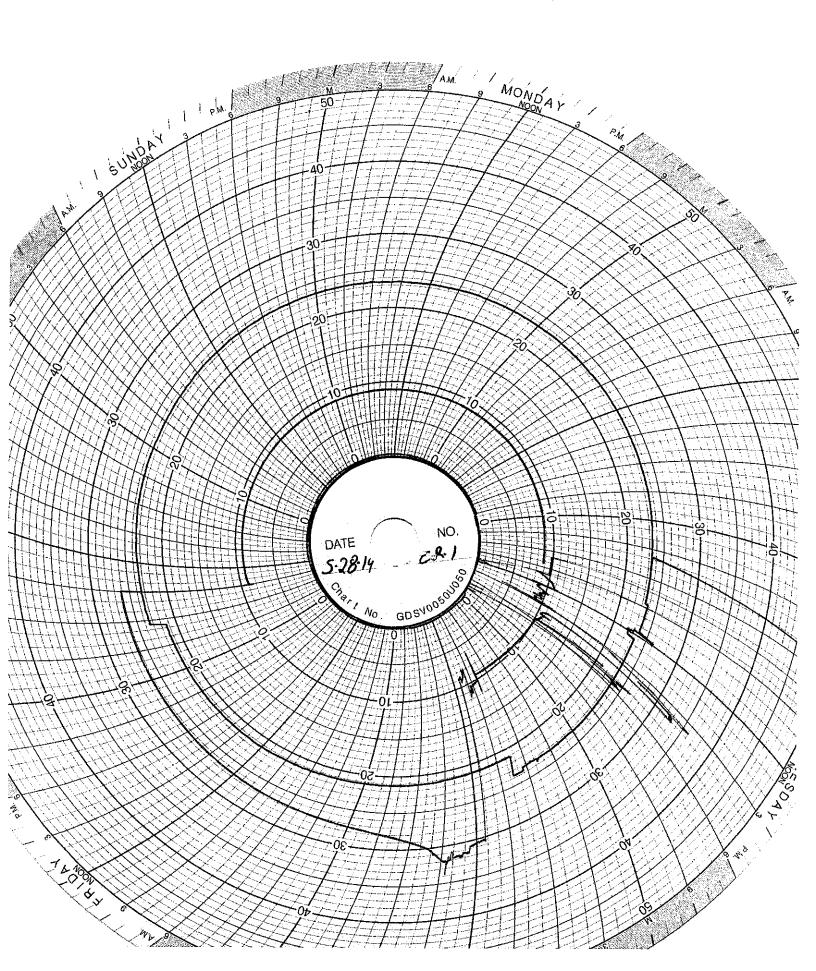
RE: Differential pressure and injection pressure exceedance on wellhead # I

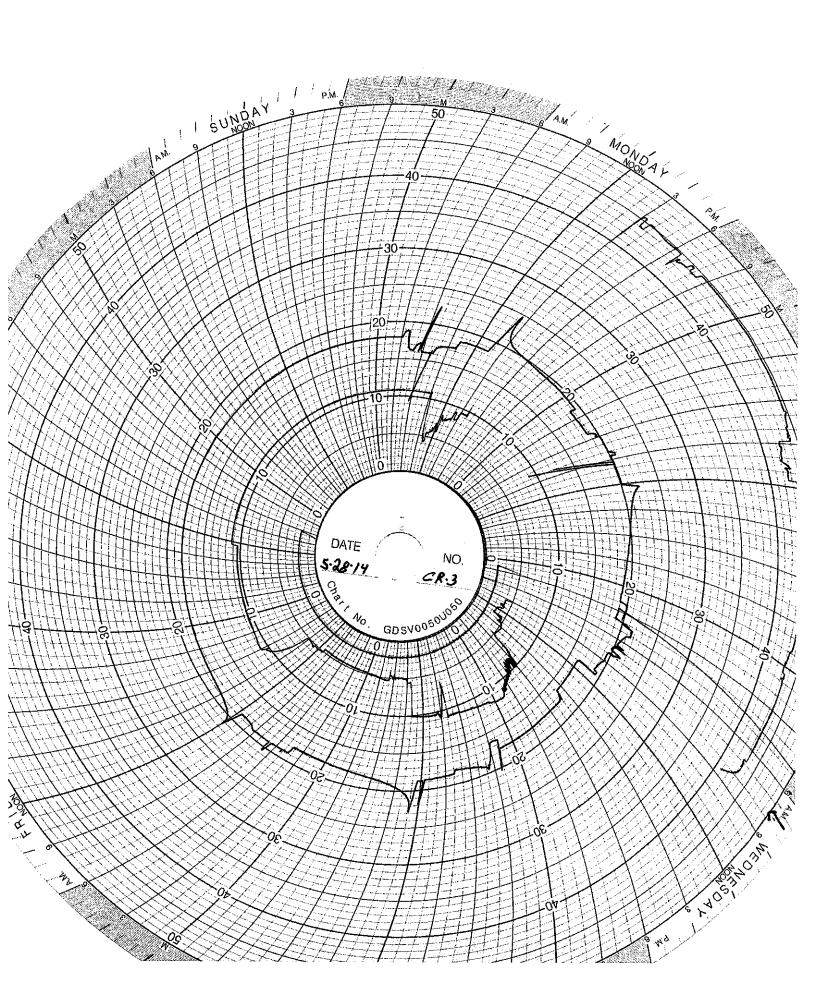
At 3:37 pm today during an injection into well # I via an off line pumping system, the tubing differential pressure minimum limit of 100 psi was exceeded. Following at 3:58 pm the maximum injection pressure of 765 was exceeded during the same injection event. The off line pumping system is on a tanker truck that is accompanying a well rigging crew from Franklin Well Services (FWS), who is under contract with Subsurface Technology Inc. (Subsurface) to clean well # I. This injection using the Franklin tanker truck is a test to check "well flow" after well cleaning had taken place. The exceedance of differential pressure and injection pressure was identified on the EGT gauges and triggered the EGT alarm system, however this operation performed by FWS did not show any exceedance on their gauges or operational logs.

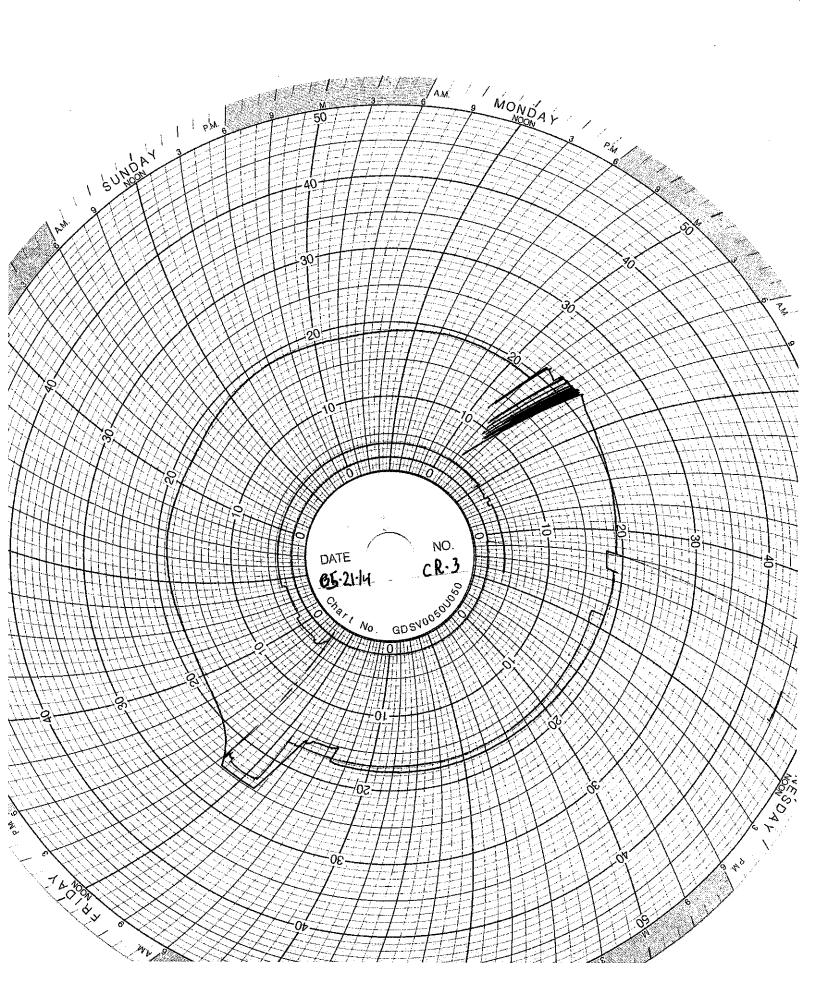
During both of these alarm conditions an EGT deep well operator was present to witness the triggering of the alarm system and to stop injection operation. FWS has calibration records and operational logs to show their operations were within compliance conditions of our Underground Injection Control Permit No. MI-163-1W-C010.

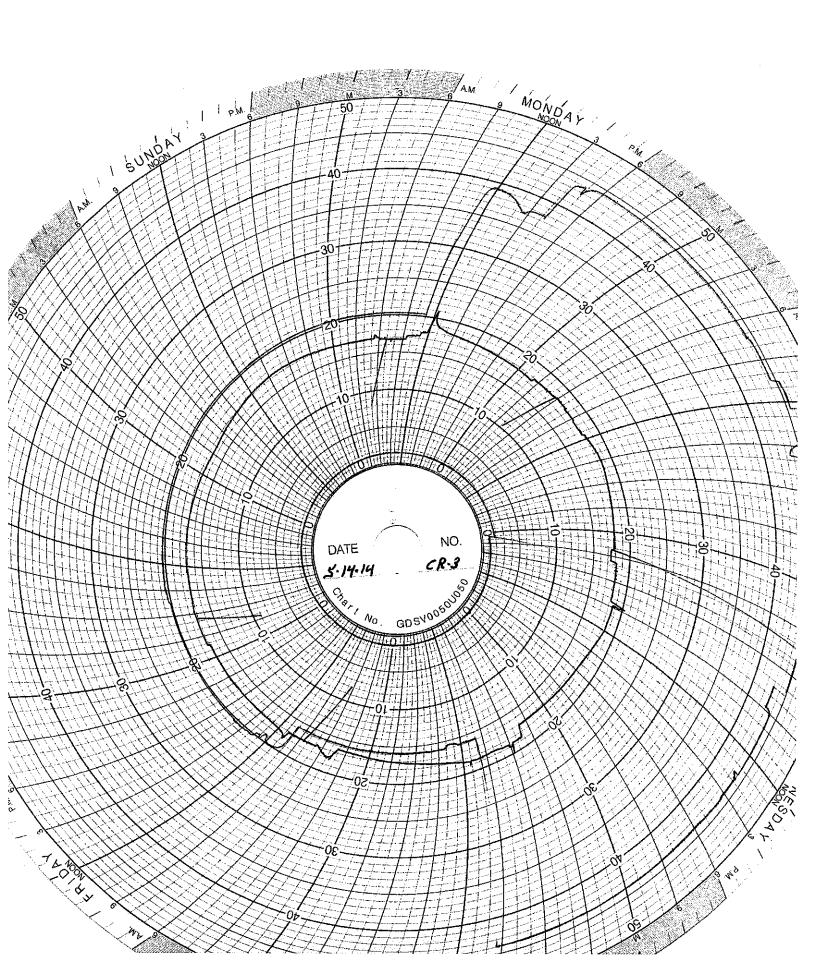


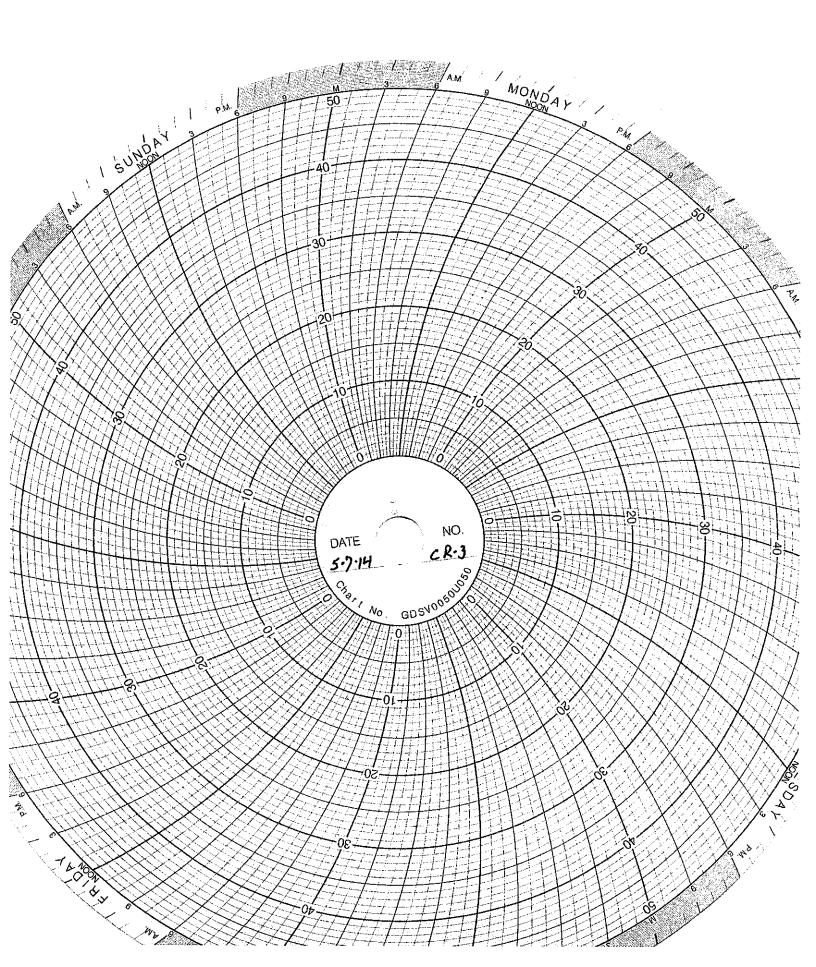












WELL 2 DATA

SUMMARY OF OPERATING, MONITORING AND REPORTING REQUIREMENTS Injection Well II

				······································
	Month: March	Year: 2014		
CHARACTERISTIC	LIMITATION	MINIMUM MONITORING FREQUENCY	MINIMUM REPORTING FREQUENCY	STATUS
Injection Pressure	765 psig maximum	continuous	monthly	735 psig
Annulus Injection Pressure	100 psig minimum	continuous	monthly	181 psig
Annulus/Tubing Diff	100 psig minimum above injection pressure	continuous	monthly	Graph attached
Injection Rate (Average both wells)	166 gpm	continuous	monthly	3.5 gpm
Injection Rate (Maximum instantaneous)	270 gpm	continuous	monthly	148 gpm
Sight Glass Level		continuous	monthly	Graph attached
Annulus Fluid Loss		monthly	monthly	0.0 gal
Cumulative Volume		daily	monthly	227,891 gal
Temperature		6-hour intervals	monthly	Graph attached
Corrosion Monitoring		monthly	monthly	Report attached
Repair and Maintenance		NA	monthly	Log attached
Toxicity Characteristic List		annually	monthly	NA
Fingerprint Analysis		per load	monthly	Sheets attached
Chemical Composition and Physical Characteristics of Injected Oilfield Brine		annually	annually	NA
pH of Injected Fluids		continuous	monthly	Graph attached

Circle Chart Index

Environmental Geo-Technologies, LLC 28470 Citrin Drive Romulus, MI 48174

Chart Recorder #1

Channel #1

Blue Pen - Well 1 Injection Pressure

Channel #2

Red Pen - Well 1 Annulus Pressure

Channel #3

Green Pen - Well 1 Flow Rate

Channel #4

Black Pen - Well 1 Annulus Tank Level

Chart Recorder #2

Channel #1

Blue Pen - Well 2 Injection Pressure

Channel #2

Red Pen - Well 2 Annulus Pressure

Channel #3

Green Pen - Well 2 Flow Rate

Channel #4

Black Pen - Well 2 Annulus Tank Level

Chart Recorder #3

Channel #1

Blue Pen - Injection pH Well 1 & 2

Channel #2

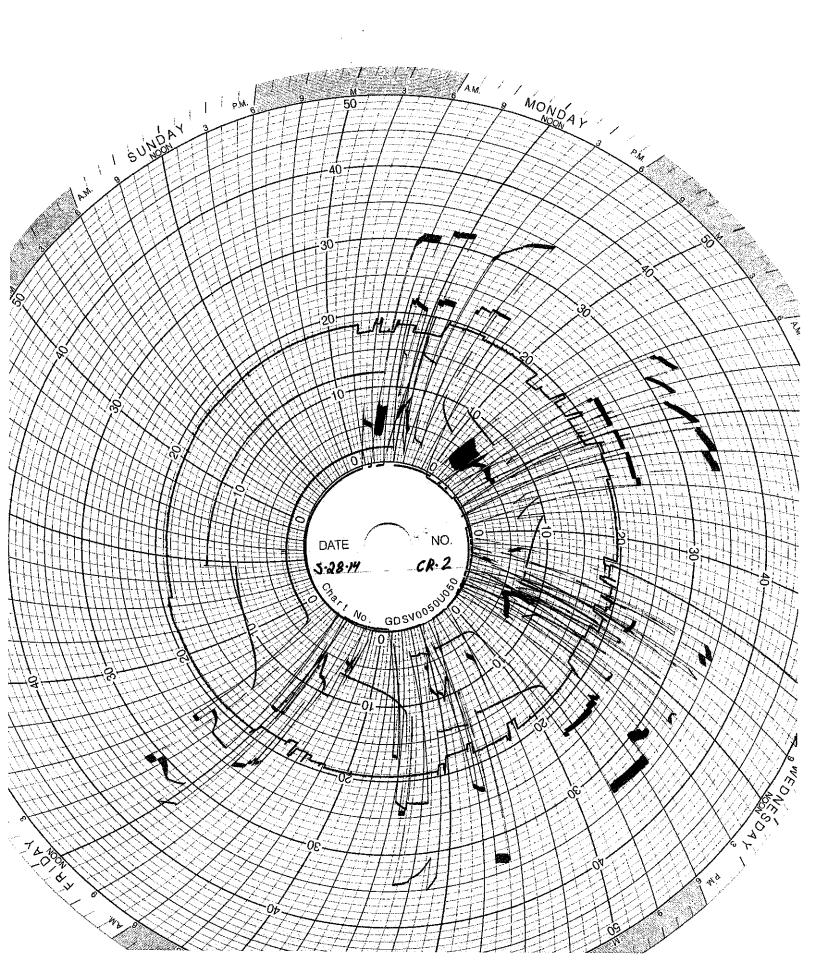
Red Pen - Well 1 Monthly Volume

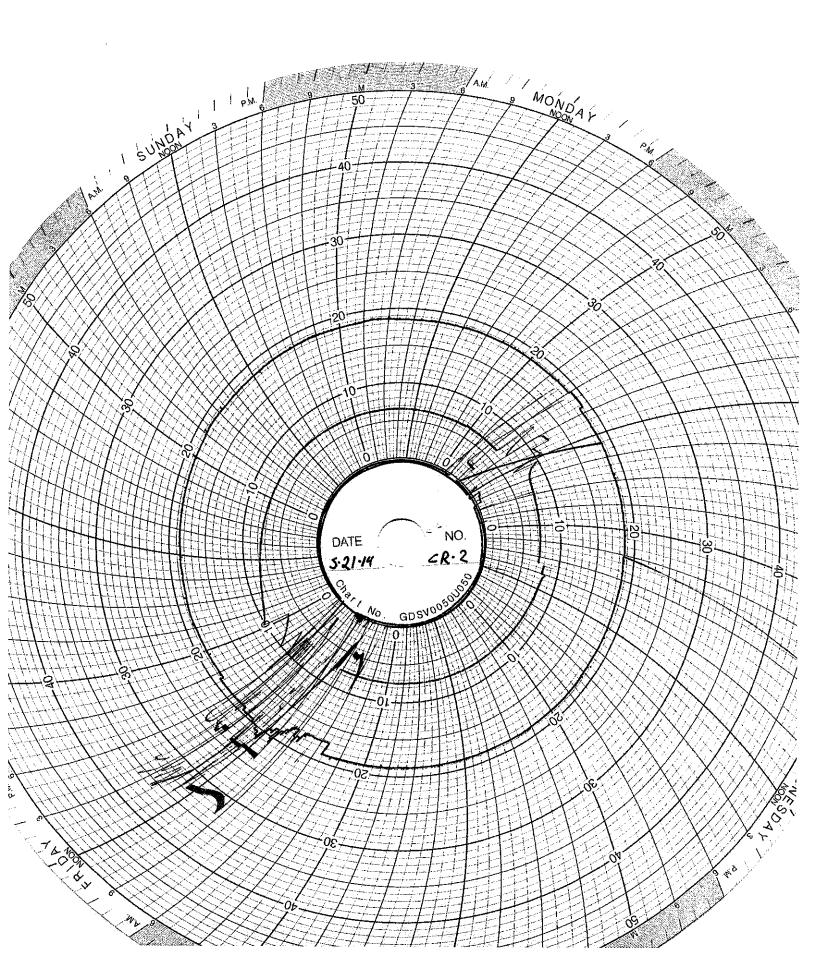
Channel #3

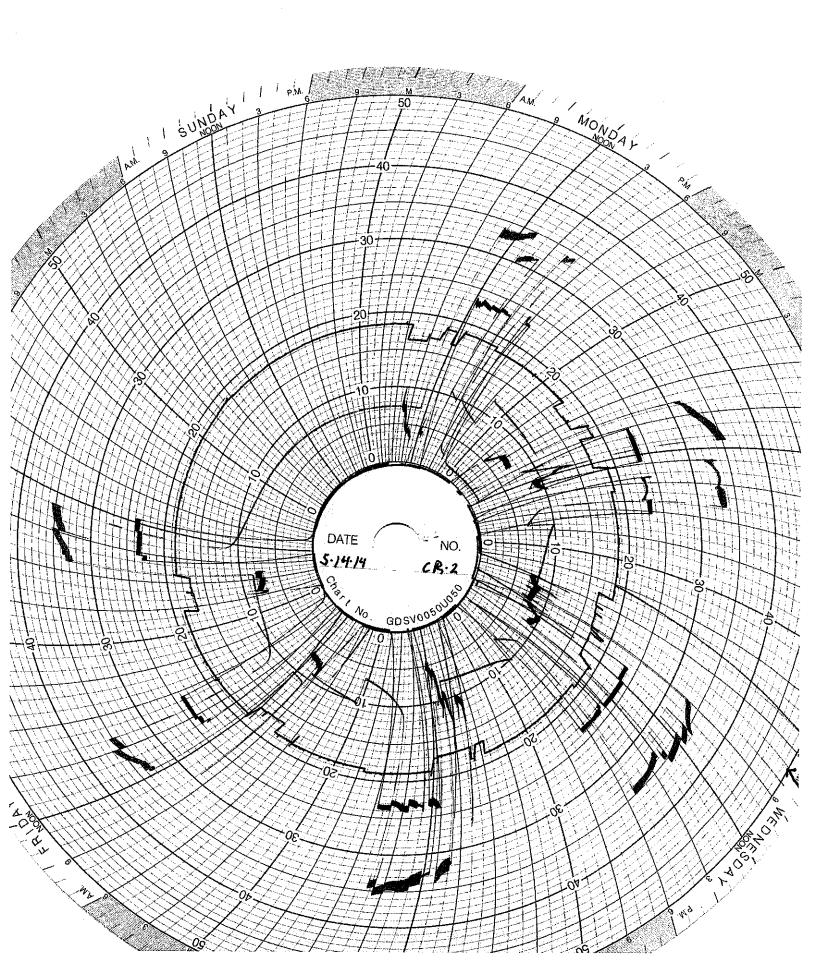
Green Pen - Well 2 Monthly Volume

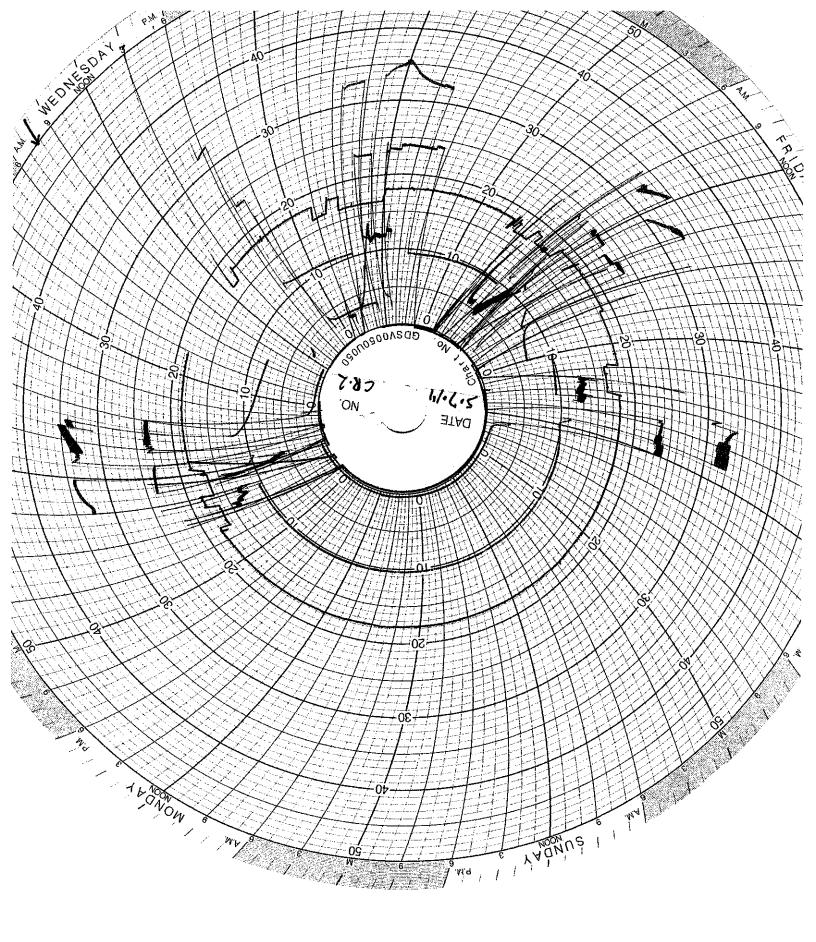
Channel #4

Black Pen - Temperature









CORROSION MONITORING

CORROSION MONITORING COUPONS BASELINE VISUAL DESCRIPTION

November 4, 2013

Fiberglass

The fiberglass coupon is Red Box 2000 type and is 2-1/2 inches long by 1/2 inch wide and 1/4 inches thick. It is a dark orange (rust) in color with a glossy shine on one side a polished look on the opposite side and the cut edges look sanded.

Hastelloy

The hastelloy coupon is identified as C276 with serial number 1. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

Stainless Steel

The stainless steel coupon is identified as 316L with serial number C1562. The dimensions of the coupon are 3 inches long by 1/2 inch wide and 1/4 inch thick. The coupon is silver in color with a lightly sandblasted surface.

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE HARPER WOODS, MI 48225 PHONE (313) 885-3535 FAX (313) 885-1771

Report Date: November 15, 2013
Test Date: October 15 - November 14, 2013

Report #1310-77651
Performed for:
Environmental Geo-Technologies
28470 Citrin Drive
Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

WORK PERFORMED:

Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

Hardness

Specimen 1

90

Specimen is being returned with this report for further evaluation.

Jan III XX

M. W. Ghesquiere

President

MWG/kni

Our letters and reports apply unity to the sample tested and are not necessarily indicative of the qualifies of apparently identical or similar products. The letters and reports and the name of Ghesquiere Plastic Testing, Inc., are not to be used under any circumstances in advertising to the general public. Samples, extra and related test materials will be destroyed 30 days after the date of the final report unless the client indicates otherwise in writing.

GHESQUIERE PLASTIC TESTING, INC.

20450 HARPER AVENUE HARPER WOODS, MI 48225 PHONE (313) 885-3535 FAX (313) 885-1771

Report Date: February 17, 2014 Test Date: February 14 - 17, 2014

Report #1402-78036 Performed for: Environmental Geo-Technologies 28470 Citrin Drive Romulus, MI 48174

Attention: Mr. Don Anderson

WORK REQUESTED:

Perform Barcol Hardness test on sample submitted.

DESCRIPTION OF SAMPLE:

Sample submitted was identified as a fiberglass test coupon.

(P. O. #Credit Card).

e for the property of the contract of the contract of the property of the contract of the contract of the property of the contract of the cont Test specimen was prepared as necessary and conditioned for a minimum of 24 hours at standard laboratory conditions prior to testing.

Barcol Hardness test was performed in accordance with the procedures of ASTM D2583-13. One specimen was tested.

RESULTS:

The following determination was made based upon the above test:

BARCOL HARDNESS

PS 7 特点 的复数数数6 位于各位企图

Hardness

Specimen 1 90

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Burney Commencer of the Specimen was returned to the client on February 17, 2014. meet by futions

C TESTING, INC.

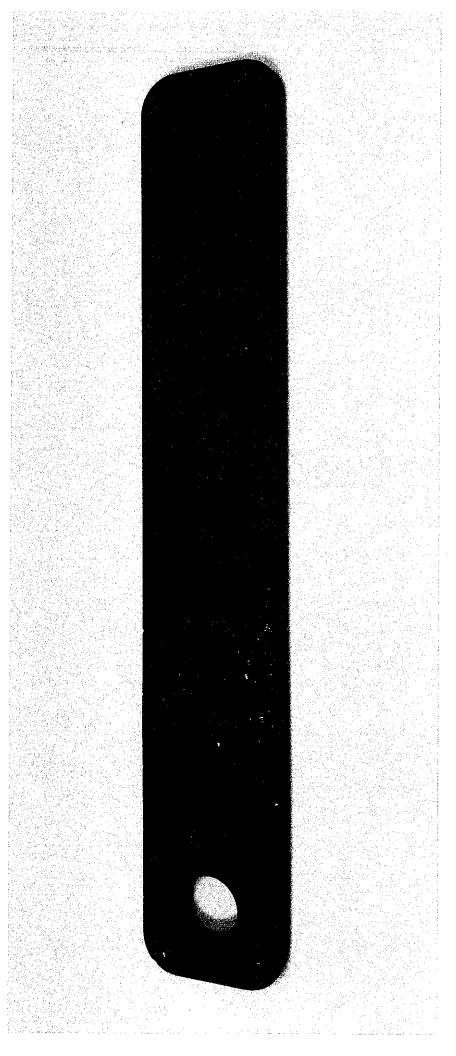
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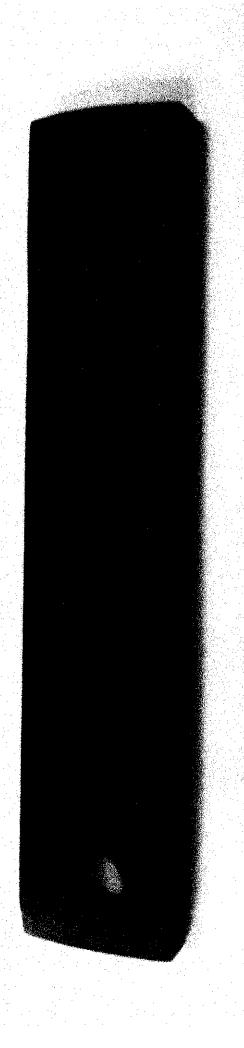
MWG/dm

Manager and a second and a seco

 ANSOCKE EXPOSITE

Cryp Liver of the control of the con たしまりなってコンス C115821/1316:L 12 12 8 18 b





5/30/2014 HASTELDY

CORROSION MONITORING COUPON VISUAL DESCRIPTION

Fiberglass	
No pitting or cracking present on this coupon.	
Hastelloy	
No pitting or cracking present on this coupon.	

May 30, 2014

Stainless Steel

There is some minor pitting but stainless steel in not part of the EGT well construction..

CORROSION MONITORING PLAN COUPON SUMMARY

Date	Hastelloy	Stainless Steel	Fiberglass	
	(C267)	(316L)	(Redbox)	
12/19/2013	13.330 g	10.848 g	7.309 g	Initial Mass @ start up
2/21/2014	13.329 g	10.846 g	7. 30 6 g	,
3/10/2014	13.327 g	10.845 g	7.300 g	
4/18/2014	13.324 g	10.841 g	7.272 g	
5/30/2014	13.328 g	10.818 g	7.226 g	

	MAINTENANCE LOG	
•		

UIC Monthly Maintenance Log

5/12/2014	Pipe welding well 2	The flange on the injection line, on the well side of the 3 inch check valve had a pin hole leak that was welded by Lee Contracting.
5/13/2014	Pipe welding well 2	The flange on the injection line, on the pump side of the 3 inch check valve had a pin hole leak the flange on the injection line, on the welded by Lee Contracting.
5/20-22/2014	Cleaning of well1	Subsurface Group was contracted to clean well 1.
5/21/2014	Tightened flange on annulus pipeline supplying well 1	A leaking flange caused an exceedance of the minimum differential pressure limit of 100 psi on well 1. The flange bolts were tightened to eliminate the leak and the annulus pressure was restored to normal operations. The EPA and DEQ were notified.
5/21/2014	Filled annulus storage on well 1	The annulus tank on well 1 was fill with 215 gallons of diesel fuel.
5/28/2014	Welded flange on the injection line of well 1	Welded 2000 psi flange to the injection line that mounts to the wellhead of well 1.
5/28-30/2014	Cleaning of well 1 continued	Subsurface Group was contracted to clean well 1.

MEMORANDUM

Date: 5/21/14

To: File

From: John Frost

RE: Annulus pressure drop from loose flange on wellhead # I

At 1:30 pm today during an injection into well # I there was a malfunction in the annulus system which resulted in a temporary loss of annulus pressure that exceeded the minimum differential pressure of 100 psi. This pressure loss was witnessed as it occurred by a deep well operator, and the injection was immediately halted for investigation. A spray of diesel fuel was found to be coming from a bolted flange above ground within secondary containment inside the wellhead # I building. The annulus pump emergency shut off switch was pressed to de-energize the annulus pump, and the valve was closed from the diesel fuel supply tank to the wellhead.

The flange that caused the pressure loss was found to have two loose bolts. Immediately these bolts were properly tightened and 10 gallons of diesel fuel were pumped into the diesel fuel supply tank so that the annulus system could be turned back on and pressurized. At 3:06 pm the annulus system on wellhead # I was tested by pressurizing to 303 psi without any additional fuel released by the tightened flange. The diesel fuel tank was then filled to 24 inches, which is the standard fill level, and the annulus system was pressurized to 851 psi and was able to maintain integrity.

INJECTION FINGERPRINTS

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

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5-45 Mars II "Harm H 10% 12 3/12 5/14	Age to the second secon	E 11 AN 12 THE 1	E C A F C F F F

	RECEIVING INFORMATION		
-	Date	5/1/	4
1	Receiving ID#	1050	1401
	Manifest# Line:		
Ī	Land Ban Cert included	Yes	No
	EGT Approval#		
Į	Generator		
	Client		
I	Transporter		
	Time in		_
	Time out	:	
-[Received by	S.H.	.
_[Sampled by	N.Co.	



	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
İ	Compatible? (RT#)	Yes	No	Barium	
	PCBs (ppm)(Oily Waste Only)?			Calcium	
	TOC (ppm)(CC Waste Only)?		XI.XI.	Total Iron	
ľ	Flash Point (°F)	> 140)	Magnesium	· · · · · · · · · · · · · · · · · · ·
l	pH (S.U.)	10.3		Sodium Chloride	
Ī	Cyanides? (mg/L)			Bicarbonate	
Γ	Sulfides? (ppm)			Carbonate	
	Specific Gravity	1.13		TDS	6.4%
	Physical Description		· ·	Resistivity	
_	Stream Consistency	Yes	No	Sulfate	
	Oit in Sample	Yes	No		·
	Temperature	69°F			,
	Conductivity	132.9	<u> </u>		
	% Solids	21.7			,
	Turbidity	Yes	No		·
	Color (visual)	:-			
	TSS (%)	21.7			
_	Radiation Screen (as needed)	Δ.			
	Lab Signature			2/1/h	

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

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	Generator	SG!			
	Client				
	Transporter				
	Time in				er e
	Time out				
_	Received by	J.H			
	Sampled by	04	0		
	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	Yes	No	Barjum	
	PCBs (ppm)(Oily Waste Only)?		,at	Calcium	
	TOC (ppm)(CC Waste Only)?		,3	Total Iron	
	Flash Point (°F)	16	10	Magnesium	
	pH (S.U.)	9,1		Sodium Chloride	
	Cyanides? (mg/L)			Bicarbonate	
	Sulfides? (ppm)			Carbonate	
_	Specific Gravity	1.14		TDS	7.37.
	Physical Description			Resistivity	
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
	Temperature	69	ř		
	Conductivity	143	.9.5		
_	% Solids	7.4			
	Turbidity	Yes	No		
j	Color (visual)				
_	TSS (%)	6.			
	Radiation Screen (as needed)	À	z		
	Lab Signature	19	DA		
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EGT Approval #	A			
Generator	EGT			(2)\\ <i>(</i> /
Client				
Transporter				
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Time out			1	
Received by	J.H.	·	<u></u>	
	Tax it		-	
Sampled by				
LAB INFORMATION:				
All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	(Yes)	No	Barium	
PCBs (ppm)(Oily Waste				
Only)?			Calcium	<u>,, ,, , , , , , , , , , , , , , , , , </u>
TOC (ppm)(CC Waste Only)	?	paghir.	Total Iron	
Flash Point (°F)	D 1-	10	Magnesium	
pH (S.U.)	112.1		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.30		TDS	
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	66°+			•
Conductivity	2219	~5		
% Solids	*			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	<0.1			
Radiation Screen (as needed			1,11	
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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

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-	RECEIVING INFORMATION				
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	Land Ban Cert included	Yes	No		
	EGT Approval #	A			OPY -
	Generator	EGT			
	Client				
	Transporter				
	Time in				
	Time out				•
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	Sampled by	Wall	•		
	LAB INFORMATION:				
	All Waste Shipments:			Oilfield Brines Only:	Mean in the second of the
	Compatible? (RT#)	(Yes)	No	Barium	
	PCBs (ppm)(Oily Waste			Calcium	
	Only)?		Ziški .	Total Iron	
	TOC (ppm)(CC Waste Only)?	> 140		Magnesium	
_	Flash Point (°F)	1 5 5		Sodium Chloride	
_	pH (S.U.) Cyanides? (mg/L)			Bicarbonate	
	Sulfides? (ppm)			Carbonate	
_	Specific Gravity	109		TDS	682
	Physical Description	1 122		Resistivity	
Ì	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
	Temperature	63°F			
_	Conductivity	135.0	~5		
. سد	% Solids	01			
	Turbidity	Yes	No		
	Color (visual)				
_	TSS (%)	201			_
	Radiation Screen (as needed)		7 8	N	
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-	Lab Signature	No O			
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Manifest# Line:		
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EGT Approval #	A	·
Generator	861	
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Transporter		
Time in		φ'.
Time out		
Received by	JJH	
Sampled by	MA	
Campied by	1 1/2 1	
LAB INFORMATION: All Waste Shipments:		Oilfield Brines Only:
Compatible? (RT#)	Yes) No	
PCBs (ppm)(Oily Waste	Tes No	Darigin
Only)?		Calcium
TOC (ppm)(CC Waste Only)?	Total Iron
Flash Point (°F)	7 140	Magnesium
pH (S.U.)	6.3	Sodium Chloride
Cyanides? (mg/L)		Bicarbonate
Sulfides? (ppm)		Carbonate
Specific Gravity		TDS 9.69
Physical Description		Resistivity
Stream Consistency	Yes No	
Oil in Sample	Yes No	
Temperature	63° F	*
	1908~9	
Conductivity % Solids		
T/A T(3)((7))	Yes No	
	i vac inio	<u> 1 </u>
Turbidity	1.03 140	
Turbidity Color (visual)		
Turbidity Color (visual) TSS (%)	160.1	1 A
Turbidity Color (visual)	160.1	
Turbidity Color (visual) TSS (%)	160.1	3 1 M

RECEIVING & APPROVAL FORM RECEIVING INFORMATION Date	
Receiving ID# Receiving ID# Line: Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: OSDS JU OI LOS D S JU OI L	
Receiving ID# Manifest# Line: Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
Manifest# Line: Land Ban Cert included Yes No EGT Approval # A Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
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EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
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- Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
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LAB INFORMATION: All Waste Shipments: Oilfield Brines Only:	
All Waste Shipments: Oilfield Brines Only:	
All Waste Shipments: Oilfield Brines Only:	
Compatible? (RT#) Yes No Barium	
PCBs (ppm)(Oily Waste	
Only)? Calcium	
TOC (ppm)(CC Waste Only)? Total Iron	
- Flash Point (°F) 148 Magnesium	
- pH (S.U.) ID 3 Sodium Chloride	
Cyanides? (mg/L) Bicarbonate	
Sulfides? (ppm) Carbonate	
Specific Gravity 1.06 TDS	3,97
Physical Description Resistivity	·
Stream Consistency Yes No Sulfate	
Oil in Sample Yes No	
Temperature 66F	
Conductivity 77,1~5	
- % Solids (O .)	
Turbidity Yes No	
Color (visual)	
TSS (%)	
Radiation Screen (as needed)	
Lab Signature ,	**

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING INFORMATION				
Date	1 5/5	1121	<u>-</u>	
Receiving ID#	TAC	5140		
Manifest# Line:	1000	5176		
Land Ban Cert included	Yes	No		
EGT Approval #	1 162	NO		
Generator	│ 	····		
Client	EGT	· · · · · · · · · · · · · · · · · · ·	-	
	1		-	
Transporter			-{	
Time in			_	A+
Time out			4	
Received by	J.H.			
Sampled by	N.B.	R		
			-	
LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	Yes	No	Barium	
PCBs (ppm)(Oily Waste				
Only)?			Calcium	
TOC (ppm)(CC Waste Only)?		المكيند	Total Iron	
Flash Point (°F)	>	140	Magnesium	
pH (S.U.)	10.5		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.05		TDS	2.37
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No	Condo	
Temperature	67			-
Conductivity	45.9			
% Solids		<u>〜</u>		
Furbidity	<u> </u>			
	168	No		
Color (visual)	1 1			
rss (%)	<u> </u>	<u> </u>		
Radiation Screen (as needed)		_/_\	 	
ab Signature		4	///	
		04-01 – Pa	11 VV	

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RECEIVING INFORMATION	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
Date	5/6/			
Receiving ID#	10506	140		
Manifest# Line:				
Land Ban Cert included	Yes	No		4
EGT Approval #	I A	<u>, , , , , , , , , , , , , , , , , , , </u>	FOFA	
Generator	EGT			
Client				
Transporter	•	·		
Time in				a"
Time out				
Received by	J. 7	\		
	19/10	<u></u>		
Sampled by				
LAB INFORMATION: All Waste Shipments:	Management of the second		Oilfield Brines Only:	
Compatible? (RT#)	(Yes)	No	Barium	
PCBs (ppm)(Oily Waste				
Only)?		· .	Calcium	*
TOC (ppm)(CC Waste Only)?			Total Iron	¥ .
Flash Point (°F)	> 14	٥	Magnesium	*
pH (S.U.)	112-6	2	Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.18	>	TDS	9.67
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	6	3°F		•
Conductivity		7~5		
% Solids	100			
Turbidity	Yes	No		
Color (visual)		······································		
TSS (%)	10.	1		
Radiation Screen (as needed)				
Lab Signature	TLA) //	M	
	REC	04-01-Pa	ge 1	

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

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	RECEIVING & APPROV	AL FORW			
	RECEIVING INFORMATION			1	
-	Date	5/6/1	4	1	
	Receiving ID#	1 8500	1401	_	•
	Manifest# Line:			1	
	Land Ban Cert included	Yes	No	7	,
	EGT Approval #	A			
	Generator	EGT			
	Client				
	Transporter	-			
	Time in				d
	Time out]	•
_	Received by	(丁:))。			
	Sampled by	01/1	`		
	Cumpica by	N.A.			
	LAB INFORMATION:	E E			
	All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	¥és/	No	Barium	·
	PCBs (ppm)(Oily Waste				
	Only)?		Alika.	Calcium	· · · · · · · · · · · · · · · · · · ·
	TOC (ppm)(CC Waste Only)?			Total Iron	
	Flash Point (°F)	2 140		Magnesium	
1	pH (S.U.)	11.8	· · · · · · · · · · · · · · · · · · ·	Sodium Chloride	
	Cyanides? (mg/L)			Bicarbonate	
	Sulfides? (ppm)	2		Carbonate	4 1 2
-	Specific Gravity	1.67		TDS	4.0/
	Physical Description			Resistivity	
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
- 1	Temperature	68°)	d'an		
-	Conductivity		<u>~ S </u>		
-	% Solids	0.2			
ļ	Turbidity	Yes	No		
	Color (visual)		· · · · · · · · · · · · · · · · · · ·		
-	TSS (%)	0.2			
	Radiation Screen (as needed)	·	/		
-	Lab Signature		156	T-1226	

RE**C**04/01 – Page :

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING INFORMATION	****]	
Date	5%	17114			
Receiving ID#		5071	401		
Manifest# Line:		<u> </u>			
Land Ban Cert included	Ye	s	No	1	•
EGT Approval#			·		4
Generator					
Client	1				yr I
Transporter					, c.
Time in					
Time out					
Received by	-,	741			
	17		2	1	
Sampled by		4 / Y		J	
LAB INFORMATION:					
All Waste Shipments:				Oilfield Brines Only:	
Compatible? (RT#)	Te	es)	No	Barium	
PCBs (ppm)(Oily Waste					
Only)?	-		Align's	Calcium	
TOC (ppm)(CC Waste Only)?	4	3.35		Total Iron	
Flash Point (°F)	1>_	140		Magnesium	
pH (S.U.)	1	9.5		Sodium Chloride	
Cyanides? (mg/L)				Bicarbonate	
Sulfides? (ppm)	 			Carbonate	2 3 4 6 3
Specific Gravity		.05		TDS	1.47
Physical Description				Resistivity	
Stream Consistency		es	No	Sulfate	`
Oil in Sample		es	No		
Temperature		<u> </u>			
Conductivity	120	8.8m	<u>5 · </u>		
% Solids		0.1			
Turbidity	Ye	es	No		
Color (visual)					
TSS (%)	0				
Radiation Screen (as needed)				10 N V	
				NINI	,
Lab Signature				N //W	

Environmental Geo-Technologies. LLC.

RECEIVING & APPROVAL FORM RECEIVING INFORMATION Date 05/07/15 I 6507/402 Receiving ID# Manifest# Line: Land Ban Cert included Yes No EGT Approval # EGT Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only: Compatible? (RT# No Barium PCBs (ppm)(Oily Waste Only)? Calcium TOC (ppm)(CC Waste Only)? Total Iron Flash Point (°F) 140 Magnesium pH (S.U.) 0.7 Sodium Chloride Cyanides? (mg/L) Bicarbonate Sulfides? (ppm) Carbonate 1.25 08 Specific Gravity TDS Physical Description Resistivity Stream Consistency Yes No Sulfate Oil in Sample Yes No 62°F Temperature 214.9 Conductivity % Solids Turbidity Yes No Color (visual) TSS (%) Radiation Screen (as needed) Lab Signature REC04-01 - Page 1

_	RECEIVING & APPROV	AI FORM			
r		2 (2)			
-	RECEIVING INFORMATION	65/07]	14		
, [Date	L 65 07 14			
-	11000111119	L030/17			
-	Manifest# Line:	Vac	No		
ļ	Land Ban Cert included	Yes	INO		
	EGT Approval #	EGT			
ļ	Generator	<u> </u>			
ļ	Client				
ļ	Transporter	<u> </u>			er .
	Time in				
	Time out				
-	Received by	J.H.			
	Sampled by	WCP	<u> </u>		
	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	Yes	No	Barjum	
	PCBs (ppm)(Oily Waste	:			
	Only)?			Calcium	
	TOC (ppm)(CC Waste Only)?			Total Iron	
-	Flash Point (°F)	> 140		Magnesium	
	pH (S.U.)	8.2		Sodium Chloride	
	Cyanides? (mg/L)			Bicarbonate	
	Sulfides? (ppm)			Carbonate	
-	Specific Gravity	1.01		TDS	0.17.
	Physical Description			Resistivity	
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
-	Temperature	54° F			•
***	Conductivity	2.12	5		
-	% Solids	(0.)			
	Turbidity	Yes	No		
	Color (visual)				
-	TSS (%)	20.1		A	
	Radiation Screen (as needed)		AL		
-	Lab Signature		Jak	TAN-	
		peco.	4- / 01 - Pa	ge 1	

Environmental Geo-Technologies, LLC.

RECEIVING & APPROVAL FORM RECEIVING INFORMATION Date Receiving ID# Manifest# Line: Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by



LAB INFORMATION:					
All Waste Shipments:		<u>King kase ka</u>	Oilfield Brines Only:		
Compatible? (RT#)	(Yes)	No	Barium		
PCBs (ppm)(Oily Waste	-			}	
Only)?		 	Calcium		
TOC (ppm)(CC Waste Only)?		منوند	Total Iron		
Flash Point (°F)	> 140		Magnesium		
pH (S.U.)	120		Sodium Chloride		
Cyanides? (mg/L)			Bicarbonate		
Sulfides? (ppm)			Carbonate		
Specific Gravity	1.15		TDS	8.67	
Physical Description	-		Resistivity		
Stream Consistency	Yes	No	Sulfate		
Oil in Sample	Yes	No			
Temperature	57°F			•	
Conductivity	169.5~	<u> </u>			
% Solids	20.)				
Turbidity	Yes	No			
Color (visual)					
TSS (%)	20)				
Radiation Screen (as needed)		~ \			
Lab Signature	1				
REC04-01 - Page 1					

	RECEIVING & APPROV	AL FORM	
	RECEIVING INFORMATION		
-	Date	5/9/14	-
	Receiving ID#	1 05091	401
	Manifest# Line:		
	Land Ban Cert included	Yes	No
	EGT Approval#	<u> </u>	
	Generator	EGT	
	Client		,
	Transporter		
	Time in		····
	Time out		
-	Received by	J.H. 1	1
_	Sampled by	M R	-



	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	(Yes)	No	Barium	
	PCBs (ppm)(Oily Waste				
	Only)?			Calcium	
	TOC (ppm)(CC Waste Only)?		المتكنان	Total Iron	
	Flash Point (°F)	> 1	10	Magnesium	
_	pH (S.U.)	4.9		Sodium Chloride	
	Cyanides? (mg/L)			Bicarbonate	
	Sulfides? (ppm)			Carbonate	
_	Specific Gravity	1.05		TDS	2.67
	Physical Description			Resistivity	
	Stream Consistency	Yes	No	Sulfate	
٠	Oil in Sample	Yes	No		
	Temperature	69°F			•
_	Conductivity	52.7m	ς		
	% Solids	40.1			
	Turbidity	Yes	No		
	Color (visual)				
-	TSS (%)	40.1	······································		
	Radiation Screen (as needed)		۸	_ ^ ^ ^	
	Lab Signature		1	D WH-	

RECEIVING INFOR	RMATION					
Date		5/9/	Ч			
Receiving ID#	<u> </u>	F.050	9)45L	7		•
Manifest# Line		· · · · · · · · · · · · · · · · · · ·	\$ F. S			
Land Ban Cert inclu	ıded	Yes	No			()) =)\//
EGT Approval#		Д				
Generator		867				
Client				1		
Transporter						
Time in						0.0
Time out			······			
Received by		<i>الد</i> ی	i e	1		
		7.0%	- 1-0	-		
Sampled by		<u> </u>	<u> </u>			
LAB INFORMATIO				OUS THE DAY	O-1.0	
All Waste Shipment	(S)	-		Oilfield Brines	Only.	<u> </u>
Compatible? (RT#	/	Yes)	No	Barium		
PCBs (ppm)(Oily W Only)?	aste	:		Calcium		
TOC (ppm)(CC Wa	ete Only)?	······	منتخنه	Total Iron		
Flash Point (°F)	ste Offiy) (,)	40	Magnesium		
	-	, <u> </u>	70	Sodium Chlor	ide	
pH (S.U.)		<u> </u>		Bicarbonate		
Cyanides? (mg/L)				Carbonate		
Sulfides? (ppm)		1.10		TDS		450
Specific Gravity	···	1.16	<u> </u>			1.00
Physical Description				Resistivity		
Stream Consistency	<u> </u>	Yes	No_	Sulfate		
Oil in Sample		Yes 69°F	No			
Temperature		- March 1985				
Conductivity		90.5	<u>~></u>			
% Solids		20		<u> </u>		
Turbidity		Yes	No			<u> </u>
Color (visual)		, .				
TSS (%)		20.			^	
Radiation Screen (a	s needed)		/) 	1
			Į.	1		M

5/12/	74		
5/12/	14	7	
1 1		1	
1 /105	0914	<i>7</i> 03	
·			•
Yes	No		
A			
8/51			
		1	
]	
]	
		1	
J.H.		1	
AA T	<u> </u>	1	
	\		· · · · · · · · · · · · · · · · · · ·
		Oilfield Brines Only	
(Yes \	No	Barium	
		Calcium	
		Total Iron	
) 140	<u>)</u> ,	Magnesium	
6.1		Sodium Chloride	
		Bicarbonate	
		Carbonate	
1.10		TDS	6.67.
		Resistivity	
Yes	No	Sulfate	
Yes	No		
 			•
132.	4m5		
40.	<u> </u>		
Yes	No		
(0.)		^	
		Λ	
	13	161	
K	J.,		
RECO	4 01 Day	ro 1	•
	Yes Yes Yes Yes Yes Yes Yes Yes	Yes No CO.)	Oilfield Brines Only Yes No Barium Calcium Total Iron Magnesium Sodium Chloride Bicarbonate Carbonate Carbonate TDS Resistivity Yes No Sulfate Yes No 70°F 132.4~S 40.1 Yes No

Environmental Geo-Technologies, LLC.

RECEIVING & APPROVAL FORM

5/12/14
I 0512-1401
Yes No
A
EGT
J.+1 。
1 S/A-K



	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	Yes	No	Barium	
	PCBs (ppm)(Oily Waste			, ·	
	Only)?	,		Calcium	
	TOC (ppm)(CC Waste Only)?		المنتخ	Total Iron	
-	Flash Point (°F)		40	Magnesium	
	pH (S.U.)	109		Sodium Chloride	
	Cyanides? (mg/L)	•		Bicarbonate	
	Sulfides? (ppm)			Carbonate	
- ;	Specific Gravity	1.12		TDS	7.97
	Physical Description	V		Resistivity	
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
	Temperature	70°1			•
-	Conductivity	155.6	3		
-	% Solids	<0.	. \		
	Turbidity	Yes	No		
	Color (visual)				
-	TSS (%)	20.1			
	Radiation Screen (as needed)		Λ	$\triangle A \triangle A$	·
-	Lab Signature			8 Kl	
		RECO)4-01 - Fag	ge 1	

Environmental Geo-Technologies, LLC.

	RECEIVING & APPROV	AL FO	₹W	A.M. 764		•
	RECEIVING INFORMATION					
	Date	5/13	114			
	Receiving ID#	1051	2/4/5	Ì		
	Manifest# Line:	<u>, , , , , , , , , , , , , , , , , , , </u>	7770			
	Land Ban Cert included	Yes	No)		
	EGT Approval #	Δ				MODIN
	Generator	5	T			VIT I
	Client				•	·
	Transporter					
	Time in				·	
	Time out					
		J.H				
	Received by	0.77	1			
	Sampled by	674		 		
	LAB INFORMATION: All Waste Shipments:				Oilfield Brines Only:	
	Compatible? (RT#)	(Yes)	N	0	Barium	
	PCBs (ppm)(Oily Waste					
	Only)?			ST. Fried in St. St.	Calcium	
	TOC (ppm)(CC Waste Only)?	•			Total Iron	
-	Flash Point (°F)		10		Magnesium	
	pH (S.U.)	13.2			Sodium Chloride	
	Cyanides? (mg/L)				Bicarbonate	
	Sulfides? (ppm)				Carbonate	
- :	Specific Gravity		<u>.05</u>		TDS	3.27
	Physical Description				Resistivity	
	Stream Consistency	Yes		lo_	Sulfate	
	Oil in Sample	Yes		10		
	Temperature	69				
-	Conductivity	66	<u>5, 3</u>	5		
-	% Solids	3.2				
	Turbidity	Yes	N	0		·
	Color (visual)				A	
-	TSS (%)	<0	.]			
	Radiation Screen (as needed)			Λ		
_	Lab Signature				S W	W \

REC04-01 - Page 1

	RECEIVING & APPROV	1		7	
	Date	1 <i>6/1</i> L	1/14		
	Receiving ID#	25	41401		
	Manifest# Line:	11071	7/10/	-	
	Land Ban Cert included	Yes	No		
	EGT Approval #	1 CS	140		
	Generator	EG	T		
	Client		5	- ·	
	Transporter				
	Time in				pt.
	Time out			-	
_			. A ·	-	
-	Received by	13:45	-}- ₽	-	
	Sampled by		M	<u>.</u>	•
	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	(Yes)	No	Barium	
	PCBs (ppm)(Oily Waste				
	Only)?		pežiki.	Calcium	
	TOC (ppm)(CC Waste Only)?			Total Iron	
۱	Flash Point (°F)	2	140	Magnesium	
	pH (S.U.)	13.2	<u></u>	Sodium Chloride	
ļ	Cyanides? (mg/L)	<u> </u>	····	Bicarbonate	
	Sulfides? (ppm)		-	Carbonate	11.507
	Specific Gravity	1.07	<u>/</u>	TDS	4.87.
	Physical Description			Resistivity	
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No		
	Temperature	69	<u> </u>	<u> </u>	
-1	Conductivity	96.	5 5		
-		20.			
	% Solids			1	1
	Turbidity	Yes	No	<u> </u>	.
	Turbidity Color (visual)	Yes			
	Turbidity Color (visual) TSS (%)				
	Turbidity Color (visual)	Yes		ΛΛ	

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RECEIVING & APPROVAL FORM RECEIVING INFORMATION Date 5//4// Receiving ID# T 05/1/1/02 Manifest# Line: Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in

Time out
Received by
Sampled by



	All Waste Shipments:	(Yes)	No	Oilfield Brines Only: Barium
	Compatible? (RT#) PCBs (ppm)(Oily Waste	765	140	Danum
	Only)?			Calcium
	TOC (ppm)(CC Waste Only)?		pë biri	Total Iron
	Flash Point (°F)	140		Magnesium
	pH (S.U.)	13.3		Sodium Chloride
	Cyanides? (mg/L)	•		Bicarbonate
	Sulfides? (ppm)			Carbonate
	Specific Gravity	1,1)		TDS 6.6%
	Physical Description			Resistivity
	Stream Consistency	Yes	No	Sulfate
ĺ	Oil in Sample	Yes	No	
	Temperature	70°F		·
-	Conductivity	131.5		
	% Solids	10.1	" '	
	Turbidity	Yes	No	
	Color (visual)			
-	TSS (%)	10.	1	
	Radiation Screen (as needed)			
	Lab Signature		X	11/0

Environmental Geo-Technologies, LLC.

	RECEIVING & APPROV	AL FORM
	RECEIVING INFORMATION	
-	Date	5/15/14
	Receiving ID#	IO515140)
	Manifest# Line:	
	Land Ban Cert included	Yes No
	EGT Approval #	
	Generator	
	Client	
	Transporter	
	Time in	
	Time out	
-	Received by	JH.

Sampled by



All Waste Shipments: Compatible? (RT#)	Yes	No	Barium	
PCBs (ppm)(Oily Waste			pro-	
Only)?	,		Calcium	
TOC (ppm)(CC Waste Only)?		Riski	Total Iron	
Flash Point (°F)	140		Magnesium	
pH (S.U.)	4.8		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1,12		TDS	5.97
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	70°F			
Conductivity	117.			
% Solids	20.1			
Turbidity	Yes	No		
Color (visual)	·			
TSS (%)	40.1			
Radiation Screen (as needed)	, (
Lab Signature	LA			

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RECEIVING & APPROV	ALFUN	186		
RECEIVING INFORMATION				
Date	5/16)	110		·
Receiving ID#	IDSI	61401		
Manifest# Line:				
Land Ban Cert included	Yes	No		
EGT Approval #	A			12 W
Generator	EGT			<u>26</u>
Client	·		·	
Transporter				
Time in				
Time out				
Received by	V=t)			
Sampled by				
LAB INFORMATION:				
All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	(Yes)	No-	Barium	
PCBs (ppm)(Oily Waste			O a factorina	
Only)?		A STATE OF THE STA	Calcium	
TOC (ppm)(CC Waste Only)?	£ 51% 6		Total Iron	
Flash Point (°F)	> 140		Magnesium	
pH (S.U.)	61)	Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	~ ~
Specific Gravity	1.07	,	TDS	$\frac{1}{1}$
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	64	<u> </u>		
Conductivity	101.	4 ~ 5		
% Solids	5.)			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	40	,)		
Radiation Screen (as needed)	1	h		
	in the second	7,) 1	Λ .	
Lab Signature		W.	Lh	· · · · · · · · · · · · · · · · · · ·
		04-01 - Pa	- Charles	

Environmental Geo-Technologies, LLC.

RECEIVING & APPROVAL FORM

	RECEIVING INFORMATION					
-	Date	5/19	114			
	Receiving ID#	105)	71401			
:	Manifest# Line:					
	Land Ban Cert included	Yes	No			
	EGT Approval #					
	Generator					
	Client					
	Transporter					
	Time in					
	Time out					
-	Received by	天.H.	9 /			
-	Sampled by	N/	<u> </u>			



LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	Yes	No	Barium	
PCBs (ppm)(Oily Waste			1	
Only)?			Calcium	
TOC (ppm)(CC Waste Only)?	<u> </u>	,X. 38-11	Total Iron	
Flash Point (°F)	140)	Magnesium	
pH (S.U.)	11.8		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)	ļ		Carbonate	
Specific Gravity	1.02	-	TDS	2.12
Physical Description	,		Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	63°F			•
Conductivity	42,5 ~	. 5		
% Solids	2.1		·	
Turbidity	Yes	No		
Color (visual)				
TSS (%)	< O,)			
Radiation Screen (as needed)		J 1	1/	
Lab Signature		SI	de la	

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ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

RE	CEIVING & APPROV	AL FORM			
RE	CEIVING INFORMATION				
Dat	te	5/19/12	1		
Red	ceiving ID#	I 05/914	102		
Mai	nifest# Line:				
Lan	d Ban Cert included	Yes	No		
EG	T Approval#	A			
Ger	nerator	EGT			
Clie	ent				
Tra	nsporter				
Tim	ie in				er .
Tim	e out				
- Red	ceived by	J.H.		, i	
	npled by	DM			
IAF	SINFORMATION:				
	Waste Shipments:			Oilfield Brines Only:	
	npatible? (RT#)	Yes	No	Barium	
PCI	Bs (ppm)(Oily Waste	:			
Onl				Calcium	
TO	C (ppm)(CC Waste Only)?		K.E.	Total Iron	
Flas	sh Point (°F)	140		Magnesium	
pH	(S.U.)	12,	<u>3</u>	Sodium Chloride	
Cya	nides? (mg/L)			Bicarbonate	
Sulf	ides? (ppm)			Carbonate	
Spe	cific Gravity	110	, es	TDS	6.12
Phy	sical Description			Resistivity	
Stre	am Consistency	Yes	No	Sulfate	·
Oili	n Sample	Yes	No		,
Ten	perature	68°F	7		·
Con	ductivity	121.3~	5		
	olids	10.19.			
Turk	oidity	Yes	No		
Colo	or (visual)				
TSS	(%)	(0.)			
Rad	iation Screen (as needed)		<u> </u>	$\triangle A$	
1			-H		

RECEIVING & APPRO	OVAL FOR	SM -
RECEIVING INFORMATION	1	
Date	512	0/14
Receiving ID#	1052	0140
Manifest# Line:		
Land Ban Cerf included	Yes	No
EGT Approval#	A	
Generator	EG	7
Client		
Transporter		
Time in		
Time out		
Received by	J.H.	, ,
Sampled by		4



LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	(Yes	No-	Barium	
PCBs (ppm)(Oily Waste				
Only)?	,		Calcium	
TOC (ppm)(CC Waste Only)?			Total Iron	
Flash Point (°F)	> 140	مدياتي	Magnesium	
pH (S.U.)	12.3		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.14		TDS	9.17
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	68° F			•
Conductivity	182.60	~S		· · · · · · · · · · · · · · · · · · ·
% Solids	9.1			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	(0.)			
Radiation Screen (as needed)	-		() A A	
Lab Signature	·		J IZIK	

ENVIRONMENTAL GEO-TECHNOLOGIES, LLC.

	RECEIVING & APPROV	AL FORN			
	RECEIVING INFORMATION		- 20		
-	Date	5/21/	14		
	Receiving ID#	I 0521	1401		
	Manifest# Line:				
	Land Ban Cert included	Yes	No		
	EGT Approval #	A		·	•
•	Generator	TO3			
	Client			(i	rell onc
	Transporter		,		
	Time in				e e
	Time out				
_	Received by	J.H ;			
	Sampled by	PM			
	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
	Compatible? (RT#)	Yeś /	No	Barium	
۵.	PCBs (ppm)(Oily Waste			O-Initiana	
	Only)?		. Septim	Calcium	
	TOC (ppm)(CC Waste Only)?	> 190		Total Iron	
1	Flash Point (°F)	0.9		Magnesium Sodium Chloride	
	pH (S.U.)	0.1		Bicarbonate	
٠.	Cyanides? (mg/L)		 	Carbonate	
_	Sulfides? (ppm) Specific Gravity	1.16		TDS	6.07
	Physical Description	1.10		Resistivity	1 2 1
	Stream Consistency	Yes	No	Sulfate	
	Oil in Sample	Yes	No	Canato	
_	Temperature	72°F	140		·
_	Conductivity	119.5	~S		
_	% Solids	6.0			
	Turbidity	Yes	No		
	Color (visual)				
_	TSS (%)	20.1		4 1	
Ì	Radiation Screen (as needed)		$\overline{\Lambda}$	$\triangle A$	
-	Lab Signature			PAR	

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	- State Colored Character Character Control of Section 1972 (1972) 114 (1972) 115 (1972) 115 (1972) 115 (1972)			, , , , , , , , , , , , , , , , , , , ,	
	RECEIVING & APPROV	AL FOI	RM	and the second s	•
	RECEIVING INFORMATION	• • • • • • • • • • • • • • • • • • • •			
	Date	5/2	3/14		
	Receiving ID#	105	231401		
	Manifest# Line:				•
	Land Ban Cert included	Yes	No		
	EGT Approval#				WPW -
	Generator				
	Client				
	Transporter				d .
	Time in			,	
	Time out				
_	Received by	0.4			
	Sampled by	17/	4		
			*		
	LAB INFORMATION:				
	All Waste Shipments:		1. • 1	Oilfield Brines Only:	The second of th
	Compatible? (RT#)	(Yes)	No	Barium	
	PCBs (ppm)(Oily Waste		22 ²	O A Martina	
	Only)?		£ ²	Calcium	
	TOC (ppm)(CC Waste Only)?	777	0	Total Iron	
_	Flash Point (°F)	<u> </u>		Magnesium Sodium Chloride	
	pH (S.U.)	6.5		Bicarbonate	
	Cyanides? (mg/L)				
	Sulfides? (ppm)	1 2	7.7	Carbonate	0.1
_	Specific Gravity	1.0	<u> </u>	TDS	
	Physical Description		N1-	Resistivity Sulfate	
	Stream Consistency	Yes	No No	Suitate	
	Oil in Sample	Yes	No No		
	Temperature	12:			
-	Conductivity	<u>O.*</u>	Las A		
	% Solids				
	Turbidity	Yes	No		
	Color (visual)	, ,	3		
-	TSS (%)	1 2 0), <u>)</u>	<u> </u>	
	Radiation Screen (as needed)			() \ \ \ 	
	Lab Signature			1 1d H)	

RF	CEIVING INFORMATION				
Da		5/23//	14		
	ceiving ID#	I 052		L	
	nifest# Line:		· · · · · · · · · · · · · · · · · · ·		
	nd Ban Cert included	Yes	No	•	
	T Approval #				
	nerator				(O)(B)\(\mathbb{\partial}\)
	ent				
	nsporter				
	ne in			-	- · · · · · · · · · · · · · · · · · · ·
	ne out				
	ceived by	;)			
	······································	177	1		
Sal	mpled by	<u> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u>	<u> </u>	j	
	B INFORMATION: Waste Shipments:			Oilfield Brines Only	
	mpatible? (RT#)	Yes	No	Barium	·
	Bs (ppm)(Oily Waste	109	140	Barrain	
	ly)?	:		Calcium	
	C (ppm)(CC Waste Only)?		المتكافع	Total Iron	
	sh Point (°F)	\ 140	5	Magnesium	
	(S.U.)	201		Sodium Chloride	
	anides? (mg/L)			Bicarbonate	
	fides? (ppm)			Carbonate	
•	ecific Gravity	1.23		TDS	16.57
	/sical Description			Resistivity	
	eam Consistency	Yes	No	Sulfate	
	in Sample	Yes	No		
	nperature	92°			,
	nductivity	320,9		,	
	Solids	16,5	- 		
	bidity	Yes	No		
	or (visual)	<u> </u>	<u> </u>		
	S (%)	(0,	1		
	diation Screen (as needed)		$\overline{}$	\	
	The state of the s		1)//	11	
	Signature	11 /		\A	

RECEIVING & APPROVAL FORM

	RECEIVING INFORMATION	
-	Date	05/27/14
ē.	Receiving ID#	05/27/14 IOS271401
	Manifest# Line:	
	Land Ban Cert included	Yes No
.	EGT Approval #	A
	Generator	EGT
	Client	
	Transporter	
	Time in	
	Time out	
-	Received by	J.H. 1
- [Sampled by	R MA



		· · · · · · · · · · · · · · · · · · ·	*	
	LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:
	Compatible? (RT#)	Yes	No-	Barium
	PCBs (ppm)(Oily Waste			
	Only)?		 	Calcium
	TOC (ppm)(CC Waste Only)?		s de	Total Iron
	Flash Point (°F)) 140		Magnesium
	pH (S.U.)	(0.1		Sodium Chloride
	Cyanides? (mg/L)			Bicarbonate
	Sulfides? (ppm)			Carbonate
-	Specific Gravity	1.26		TDS 22.82
	Physical Description			Resistivity
	Stream Consistency	Yes	No	Sulfate
	Oil in Sample	Yes	No	
	Temperature	81°F		
•••	Conductivity	> 400.	~ <	
_	% Solids	22.8		
	Turbidity	Yes	No	
:	Color (visual)			
-	TSS (%)	(0.)		
	Radiation Screen (as needed)		-	A A
-	Lab Signature	138	> K	

RECEIVING INFORMATION				
Date	5/28	114		
Receiving ID#	10528			
Manifest# Line:			·	
Land Ban Cert included	Yes	No .		
EGT Approval #	Э			
Generator	EGT			
Client				
Transporter				
Time in				*
Time out	-			
Received by	J.H.			
	1	1		
Sampled by]	
LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	(Yes)	No	Barium	
PCBs (ppm)(Oily Waste	100			
Only)?			Calcium	
TOC (ppm)(CC Waste Only)?	•	المتياد	Total Iron	
Flash Point (°F)	> 10	10	Magnesium	
pH (S.U.)	101		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)			Carbonate	
Specific Gravity	1.25	e)	TDS	26.87
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	•
Oil in Sample	Yes	No		
Temperature		 		·
Conductivity		0~5		
% Solids	2/02			
Turbidity	Yes	No		
Color (visual)				
TSS (%)	10.	1		
Radiation Screen (as needed		\overline{a}	$\wedge \wedge$	
- manager and and the finance		$\langle \ \rangle$	TYZ	
	1 14 /		<u></u>	

	place of the real territories appropriate and the first of the real territories and the real ter	· · · · · · · · · · · · · · · · · · ·	engensery, in the sale error	ent ig in forde vit staden den gregerige (v. 1915), in gehalter of melatare in order in electric of integrations.	and the property of the state o
	RECEIVING & APPROV	/AL FORI	VI		
	RECEIVING INFORMATION				
_	Date	5128	114		
	Receiving ID#	T.052		2_	
	Manifest# Line:				
	Land Ban Cert included	Yes	No		
	EGT Approval #	A		7	*
	Generator	EST			
,	Client				
	Transporter				
	Time in	1			er .
	Time out		· · · · · · · · · · · · · · · · · · ·	7	
_	Received by	J.H.		1	
		KIL		1	
-	Sampled by	NA			
	LAB INFORMATION:		3.		
	All Waste Shipments:	4		Oilfield Brines Only:	
Ì	Compatible? (RT#)	(Yes)	No-	Barium	
ı	PCBs (ppm)(Oily Waste				
	Only)?			Calcium	
	TOC (ppm)(CC Waste Only)?		اخطند	Total Iron	
- [Flash Point (°F)	> 140	>	Magnesium	
- [pH (S.U.)	0,8	•	Sodium Chloride	
	Cyanides? (mg/L)		<u> </u>	Bicarbonate	
	Sulfides? (ppm)			Carbonate	
. [Specific Gravity	01.1		TDS	7.67
	Physical Description			Resistivity	•
	Stream Consistency	Yes	No	Sulfate	-
	Oil in Sample	Yes	No		
-[Temperature	7201)		·
-[Conductivity	151.4			
-[% Solids	7.6			
T	Turbidity	Yes	No		
	Color (visual)				
-	TSS (%)	40.)		
-	100 (70)			 	· · · · · · · · · · · · · · · · · · ·
- 1-			_		
- 1-	Radiation Screen (as needed)	l l	<i>(</i>)		

Environmental Geo-Technologies, LLC.

RECEIVING & APPROVAL FORM RECEIVING INFORMATION 5/28/14 Date T052814 Receiving ID# Manifest# Line: Land Ban Cert included Yes No EGT Approval # Generator Client Transporter Time in Time out Received by Sampled by LAB INFORMATION: All Waste Shipments: Oilfield Brines Only: Compatible? (RT# No Barium Yes PCBs (ppm)(Oily Waste Calcium Only)? TOC (ppm)(CC Waste Only)? Total Iron 140 Flash Point (°F) Magnesium · pH (S.U.) Sodium Chloride Cyanides? (mg/L) Bicarbonate Sulfides? (ppm) Carbonate .00 Specific Gravity TDS Physical Description Resistivity Stream Consistency Yes No Sulfate Oil in Sample Yes No 63°F Temperature Conductivity % Solids Yes **Turbidity** No Color (visual) TSS (%) Radiation Screen (as needed) Lab Signature REC04-01 - Page 1

I	RECEIVING & APPROV	MITU	e /848				
	RECEIVING INFORMATION	1 - 1 -	~ / 1/)	,		
į	Date	5/20		7			
	Receiving ID#	105	29/	<u>40)</u>			
	Manifest# Line:				-		
	Land Ban Cert included	Yes		No		4	
	EGT Approval #	A					N STOP OF
	Generator	186	<u>) </u>			7	
	Client						
	Transporter						
	Time in				·		
	Time out						
	Received by	J.H)			3		
	Sampled by	4	L				
	Sampled by	<u> </u>	L A		<u></u>		
	LAB INFORMATION:						
	All Waste Shipments:			<u>,1 () =1</u>	Oilfield Brines Onl	<u>y: </u>	
	Compatible? (RT#)	(Yes ')		No	Barium		
	PCBs (ppm)(Oily Waste				0 = 1 = 3		
	Only)?	<u> </u>		K.biri	Calcium		
	TOC (ppm)(CC Waste Only)?			····	Total Iron		
	Flash Point (°F)	<u> </u>	<u>40</u>		Magnesium		
	pH (S.U.)	1.	<u> </u>		Sodium Chloride		
	Cyanides? (mg/L)				Bicarbonate		
	Sulfides? (ppm)			··	Carbonate		1 8
	Specific Gravity	1.1	<u>D</u>		TDS		6.17
	Physical Description				Resistivity		<u></u> '
	Stream Consistency	Yes		No	Sulfate		* .
	Oil in Sample	Yes		No			
	Temperature	71	0 7				•
	Conductivity	120	D. I. ,	,5			
	% Solids	6.1					
•	Turbidity	Yes		No			
	Color (visual)						
	TSS (%)	7	0-)		_		
•	Radiation Screen (as needed)		 /-	A -	$\sim 10^{\circ}$		
				1\ \ \ \	13//11		
	Lab Signature	1	į	1 1	1 / 1 / 1 / 1		

Environmental Geo-Technologies, LLC.

RECEIVING & APPR	OVAL FOR	RM .
RECEIVING INFORMATION	V	
Date	0.5/3	30/14
Receiving ID#	1.053	01451
Manifest# Line:		
Land Ban Cert included	Yes	No
EGT Approval #		
Generator		
Client		
Transporter		
Time in		
Time out		

Received by Sampled by



LAB INFORMATION: All Waste Shipments:			Oilfield Brines Only:	
Compatible? (RT#)	Yes	No-	Barium	
PCBs (ppm)(Oily Waste	(
Only)?	ļ	ží žina.	Calcium	
TOC (ppm)(CC Waste Only)?		352	Total Iron	
Flash Point (°F)	7 140		Magnesium	
pH (S.U.)	1 1.2		Sodium Chloride	
Cyanides? (mg/L)			Bicarbonate	
Sulfides? (ppm)		·.	Carbonate	
Specific Gravity	1.70		TDS	6.07
Physical Description			Resistivity	
Stream Consistency	Yes	No	Sulfate	
Oil in Sample	Yes	No		
Temperature	72°+			•
Conductivity	1)8.8~	. 5		
% Solids	6.0			
Turbidity	Yes	No		".h
Color (visual)				
TSS (%)	(0.)			
Radiation Screen (as needed)		$\overline{}$	A .	· · · · · · · · · · · · · · · · · · ·
Lab Signature	N.A		60	
	REC04-	01 – Pag	e 1	

WASTE STREAMS CHARACTERIZATIONS