

D.C. Dozer Service LLC

1403 Fillmore Street

Sterling, CO 80751

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Troutman0231@msn.com

June 17, 2019

Robert Young
Colorado Oil and Gas Conservation Commission
1120 Lincoln Street, STE 801
Denver, CO 80203

RE: Investment Equipment LLC – Land Partnership Pit and Battery Closure

Dear Mr. Young,

D.C. Dozer Service is pleased to provide you with results of remediation activities conducted at the Land Partnership well site operated by Investment Equipment LLC. The following letter summarizes the procedure to close both water pits, skim tank containment, along with the well head and tank battery containment areas. Sample results, comparison charts, sample location maps, manifests, and pictures are all located below.

Skim Tank

When we arrived on location, the skim tank had been removed and the south wall of the containment had been piled up on the west side of the tank area. The tank containment area was 25 ft. by 25 ft. with containment walls 4 ft. tall from surface. Samples were taken from the bottom of the tank and three side walls. The south and west walls were a composite sample since they were all piled together. The containment wall samples were pulled from the middle of the wall. The bottom was only a 1 ft. below original surface grade. When pulling the bottom sample we excavated down 2 ft. to ensure that was the bottom and it hadn't been previously backfilled. Samples were pulled and sent to the lab on August 14th, 2018. Results for the skim tank came back on August 29th, 2018 with all samples under standards table 910 – 1. Two composite samples for inorganics were also pulled from the berms and sent to American Agricultural lab for analysis. Inorganic samples also came back within table 910 – 1 standards.

East Water Pit

The east water pit was 90 ft. by 90 ft. by 8 ft. deep from top of berm. The berm sat approximately 4 ft. above original ground surface. Trenches were dug across the pit from east to west and north to south. Samples were pulled from the bottom and all four walls on August 14th, 2018. Results came back on August 29th, 2018 with all samples under standards. Inorganics were also pulled from the berms and below the berms at the footprint. Results came back with the east and west berms high in sodium, also high in SAR and EC, but pH came in under standards. The north and south berms were much better and just slightly over standards with sodium amounts decreasing significantly. Footprint samples all came in under standards.

West Water Pit

The west water pit was 30 ft. by 90 ft. by 10 ft. deep from top of berm with 4 ft. tall berms from original ground surface. Trenches were dug across the pit from east to west and north to south. The ditches revealed contaminate threw out the bottom of the pit for approximately 1 foot in depth. All contaminate was excavated from the pit and hauled to North Weld Landfill in Ault totaling approximately 86.79 tons of contaminated soil. Manifests are located below. Samples were pulled on August 14th, 2018 from the bottom and all four walls. Results came back on August 29th, 2018 with all samples non – detect. Inorganic samples were also pulled with the west and the north berms high in sodium along with SAR and EC. The south berm was just slightly over for EC. Footprint samples again all came in under standards.

Well Head and Tank Battery

Visual inspection of the well head area and tank battery were conducted revealing signs of soil staining only at the well head area. Excavation of the stained area was done and samples were pulled just for TPH and BTEX. The excavated area came out to be 2 ft. deep with dimensions 10 ft. by 6 ft. All contaminated was hauled to North Weld Landfill and sample results came back within table 910 – 1 standards. The tank battery and separator areas showed no signs of staining so the gravel was all piled up and removed.

Pit Closures

So during closure of the pits, we started by putting the west and north berms from the west pit in first, along with the east and west berms from the east pit. Then the remaining walls were pushed on top to ensure proper burial of the salt impacted soil. The pits being fairly old and removal of 86.79 tons of contaminated soil, we were short on dirt and ended with a swale across the pit area. Topsoil was brought in to bring the pit area up to grade. The entire disturbed area was then cross ripped and final graded before planting dryland pasture grass seed mix.

Conclusion

Based on the aforementioned activities that have been completed we ask for closure on the remediation of the pit and tank battery at the Land Partnership well site. We will continue to monitor the site for storm erosion and weed control until 80% growth has occurred. All sample results, comparison chart, reclamation and sample location maps, and photo logs are located below in this report. Should you have any questions, please do not hesitate to contact me at 970-580-0062 or troutman0231@msn.com.

Sincerely,

Todd Troutman
D.C. Dozer Service LLC

Investment Equipment

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

Legend

 Land Partnership #13 - 7

 Land Partnership #13 - 7

58

25

4000 ft



Google Earth

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SGS Wheat Ridge, CO

AUG 29, 2018 15:52 pm

Job Number: DA14098

Account: D.C. Dozer Service

Project: Land Partnership-610N53W

Project Number: 11100

Legend: Hit

Client Sample ID:		ST-B#1	ST-NW#1	ST-WW+SW COMPOSITE #1	ST-EW#1	WP-EW#1	WP-WW#1	WP-B#1	WP-NW#1	WP-SW#1	EP-EW#1
Lab Sample ID:		DA14098-1	DA14098-2	DA14098-3	DA14098-4	DA14098-5	DA14098-6	DA14098-7	DA14098-8	DA14098-9	DA14098-10
Date Sampled:		08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil

MS Volatiles (SW846 8260B)

Benzene	ug/kg	ND (0.58)	ND (0.59)	ND (0.59)	ND (0.58)	ND (0.62)	ND (0.61)	ND (0.64)	ND (0.62)	ND (0.63)	ND (0.60)
Toluene	ug/kg	ND (1.2)	ND (1.2)	ND (1.2)	1.2 J	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.2)
Ethylbenzene	ug/kg	ND (0.58)	ND (0.59)	ND (0.59)	ND (0.58)	ND (0.62)	ND (0.61)	ND (0.64)	ND (0.62)	ND (0.63)	ND (0.60)
Xylene (total)	ug/kg	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	ND (1.2)

GC Volatiles (SW846 8015B)

TPH-GRO (C6-C10)	mg/kg	ND (6.8)	ND (6.8)	ND (6.7)	ND (6.6)	ND (7.6)	ND (7.3)	ND (7.9)	ND (7.4)	ND (7.7)	ND (7.1)
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GC/LC Semi-volatiles (SW846-8015B)

TPH-DRO (C10-C28)	mg/kg	145	80.8	259	111	ND (11)	ND (11)	ND (12)	ND (11)	ND (11)	18.6
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General Chemistry

Solids, Percent	%	84.8	84.4	84.6	85.9	79.5	80.7	77.5	80.2	78.8	82.5
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Client Sample ID:		EP-SW#1	EP-B#1	EP-NW#1	EP-WW#1	WH-B#1	WH-B#2				
Lab Sample ID:		DA14098-11	DA14098-12	DA14098-13	DA14098-14	DA14098-15	DA14098-16				
Date Sampled:		08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018	08/14/2018				
Matrix:		Soil	Soil	Soil	Soil	Soil	Soil				

MS Volatiles (SW846 8260B)

Benzene	ug/kg	ND (0.63)	ND (0.64)	ND (0.64)	ND (0.62)	-	ND (0.60)				
Toluene	ug/kg	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.2)	-	ND (1.2)				
Ethylbenzene	ug/kg	ND (0.63)	ND (0.64)	ND (0.64)	ND (0.62)	-	ND (0.60)				
Xylene (total)	ug/kg	ND (1.3)	ND (1.3)	ND (1.3)	ND (1.2)	-	ND (1.2)				

GC Volatiles (SW846 8015B)

TPH-GRO (C6-C10)	mg/kg	ND (7.7)	ND (7.7)	ND (7.8)	ND (7.5)	-	ND (7.0)				
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GC/LC Semi-volatiles (SW846-8015B)

TPH-DRO (C10-C28)	mg/kg	17.1	40.5	28.2	48.8	301	-				
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General Chemistry

Solids, Percent	%	78.6	77.7	77.7	79.6	82.1	83.5				
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Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Sample Comparison Chart
Samples taken 08/14/2018

Sample Name	Tested For	Test Result	Cogcc Max Concentration Level
Skim Tank Bottom (ST – B #1)	TPH – DRO TPH – GRO BTEX	DRO – 145 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene
Skim Tank North Wall (ST – NW #1)	TPH – DRO TPH – GRO BTEX	DRO – 80.8 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene
Skim Tank West Wall and South Wall Composite (ST – WW + SW COMPOSITE #1)	TPH – DRO TPH – GRO BTEX	DRO – 259 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene
Skim Tank East Wall (ST – EW #1)	TPH – DRO TPH – GRO BTEX	DRO – 111 mg/kg GRO – ND Benzene – ND Toluene – 1.2 ug/kg = .0012 mg/kg Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene
West Pit East Wall (WP – EW #1)	TPH – DRO TPH – GRO BTEX	DRO – ND GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene
West Pit West Wall (WP – WW #1)	TPH – DRO TPH – GRO BTEX	DRO – ND GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg - Xylene

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Sample Comparison Chart
Samples taken 08/14/2018

West Pit Bottom (WP – B #1)	TPH – DRO TPH – GRO BTEX	DRO – ND GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
West Pit North Wall (WP – NW #1)	TPH – DRO TPH – GRO BTEX	DRO – ND GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
West Pit South Wall (WP – SW #1)	TPH – DRO TPH – GRO BTEX	DRO – ND GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
East Pit East Wall (EP – EW #1)	TPH – DRO TPH – GRO BTEX	DRO – 18.6 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
East Pit South Wall (EP – SW #1)	TPH – DRO TPH – GRO BTEX	DRO – 17.1 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
East Pit Bottom (EP – B #1)	TPH – DRO TPH – GRO BTEX	DRO – 40.5 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
East Pit North Wall (EP – NW #1)	TPH – DRO TPH – GRO BTEX	DRO – 28.2 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Sample Comparison Chart
Samples taken 08/14/2018

East Pit West Wall (EP – WW #1)	TPH – DRO TPH – GRO BTEX	DRO – 48.8 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene
Well Head Bottom (WH – B #1) (WH – B #2)	TPH – DRO TPH – GRO BTEX	DRO – 301 mg/kg GRO – ND Benzene – ND Toluene – ND Ethylbenzene – ND Xylene – ND	TPH < 500 mg/kg 0.17 mg/kg – Benzene 85 mg/kg – Toluene 100 mg/kg – Ethylbenzene 175 mg/kg – Xylene

Investment Equipment LLC

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

Skim Tank Samples

Legend

- Soil Samples

ST - NW #1 @ 2'

ST - B #1 @ 5'

ST - EW #1 @ 2'

ST - WW & SW COMPOSITE #1 @ 2'



Investment Equipment LLC

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

West Water Pit Samples

Legend

- Soil Samples

WP - NW #1 @ 8'

WP - WW #1 @ 8'

WP - EW #1 @ 8'

WP - B #1 @ 10'

WP - SW #1 @ 8'

Google Earth

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30 ft



Investment Equipment LLC

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

East Water Pit Samples

Legend

- Soil Samples

EP - NW #1 @ 6'

EP - B #1 @ 8'

EP - WW #1 @ 6'

EP - EW #1 @ 6'

EP - SW #1 @ 6'




40 ft


Investment Equipment LLC

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

Well Head Samples

Legend

-  Land Partnership #13 - 7
-  Soil Samples

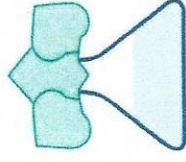
 Land Partnership #13 - 7
WH - B #1 @ 2'
WH - B #2 @ 2'



40 ft

American Agricultural Laboratory, Inc.

700 West D Street / PO Box 370 / McCook, Nebraska 69001
Office: 308-345-3670 / FAX: 308-345-7880
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20423

DC DOZER SERVICE

1403 FILLMORE ST

STERLING CO 80751

DATE RECEIVED: 08/17/2018

DATE REPORTED: 08/23/2018

NAME: TODD TROUTMAN

SOIL TEST RESULTS

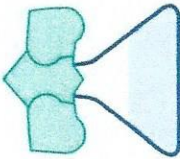
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS					
				1:1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm	
2613916	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP SW B	0-8	7.8		H	10.02									
2613917	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP SW S	0-8	8.1		H	3.76									
2613918	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP WW B	0-8	8.8		H	8.30									
2613919	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP WW S	0-8	8.6		H	3.60									
2613920	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP NW B	0-8	8.3		H	6.76									
2613921	LAND PARTNERSHIP 13-7 PIT REMEDIA	WP NW S	0-8	8.4		H	3.98									
LAB NUMBER	SULFATE-S		NH4OAc (Exchangeable)				DTPA		BORON		EST. CATION EXCHANGE CAPACITY (CEC) me/100g		% SATURATION			
	Ca-P ppm	K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm	Sorbitol ppm	BASE	H	Ca	Mg	K	Na
2613916										2.1						
2613917										5.5						
2613918										12.6						
2613919										27.6						
2613920										12.5						
2613921										7.7						
LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)		EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS			CHLORIDE		EXCH. NH4-N		ALUMINUM	TOTAL N
	Ca me/L	Mg me/L	Na me/L		SAND %			SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A	ppm	%
2613916	199.99	46.26	40.31	3.63		4	0									
2613917	51.38	17.32	20.55	11.60		8										
2613918	13.38	3.06	172.78	60.26		89										
2613919	21.96	0.78	8.78	11.60		12										
2613920	38.55	10.45	152.53	30.82		45										
2613921	28.70	8.00	11.48	10.45		9										

SUGGESTED FERTILIZER RECOMMENDATIONS

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE GROWN	YIELD	N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl	60% ECCE
				GOAL							lbs/A					
2613916	LAND PARTNERSHIP 13-7 PIT R	WP SW B														
2613917	LAND PARTNERSHIP 13-7 PIT R	WP SW S														
2613918	LAND PARTNERSHIP 13-7 PIT R	WP EW B														
2613919	LAND PARTNERSHIP 13-7 PIT R	WP EW S														
2613920	LAND PARTNERSHIP 13-7 PIT R	WP NW B														
2613921	LAND PARTNERSHIP 13-7 PIT R	WP NW S														

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab



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NAME: TODD TROUTMAN

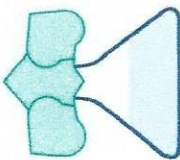
DATE RECEIVED: 08/17/2018

DATE REPORTED: 08/23/2018

SOIL TEST RESULTS																			
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod.SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS								
				1:1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm				
2613922	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP WW B	0-8	8.4		H	7.56												
2613923	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP WW S	0-8	9.0		H	3.90												
2613924	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP SW B	0-8	7.8		H	5.80												
2613925	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP SW S	0-8	7.9		H	3.82												
2613926	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP NW B	0-8	8.4		H	14.90												
2613927	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP NWS	0-8	8.2		H	3.02												
LAB NUMBER	SULFATE-S		NH4OAc (Exchangeable)				DTPA		BORON Sorbitol		EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION							
	Ca-P ppm	K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm	BASE		H	Ca	Mg	K	Na			
2613922											11.9								
2613923											15.9								
2613924											1.8								
2613925											9.6								
2613926											16.1								
2613927											6.3								
LAB NUMBER	SOLUBLE (SAT. EXT.)		SODIUM ADSORPTION RATIO (SAR)		EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS			CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %				
	Ca me/L	Mg me/L	Na me/L	SAND %			SILT %	CLAY %	ppm	lbs/A	ppm	lbs/A							
2613922	39.61	10.43	149.02	29.79	43														
2613923	25.21	1.67	10.08	8.71	10														
2613924	99.52	25.97	35.14	4.44	5	0													
2613925	110.48	30.37	43.56	11.49	28														
2613926	42.73	19.51	17.36	9.95	8														
2613927	50.95	11.65	17.23	7.02	4														
SUGGESTED FERTILIZER RECOMMENDATIONS																			
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE				YIELD				GOAL				LIME REC 60% ECCE T/A				
			N	P2O5	K2O	S	Zn	MgO	Fe	Mn	Cu	B	Cl						
2613922	LAND PARTNERSHIP 13-7 PIT R	EP WW B																	
2613923	LAND PARTNERSHIP 13-7 PIT R	EP WW S																	
2613924	LAND PARTNERSHIP 13-7 PIT R	EP SW B																	
2613925	LAND PARTNERSHIP 13-7 PIT R	EP SW S																	
2613926	LAND PARTNERSHIP 13-7 PIT R	EP NW B																	
2613927	LAND PARTNERSHIP 13-7 PIT R	EP NW S																	

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab



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LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS			
				1:1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M3 ppm
2613929	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP EW B	0-8	8.5		H	8.44							
2613930	LAND PARTNERSHIP 13-7 PIT REMEDIA	EP EW S	0-8	8.4		H	3.30							
2613931	LAND PARTNERSHIP 13-7 PIT REMEDIA	ST B	0-8	8.3		H	3.92							
2613932	LAND PARTNERSHIP 13-7 PIT REMEDIA	ST S	0-8	8.7		H	2.16							

LAB NUMBER	SULFATE-S		NH4OAc (Exchangeable)			DTPA			BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION			
	Ca-P ppm		K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm			BASE	H	Ca	Mg
2613929									14.4					
2613930									23.4					
2613931									6.3					
2613932									4.5					

LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)		EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %
	Ca me/L	Mg me/L	Na me/L					SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A		
2613929	30.94	9.23	229.61	51.23		75											
2613930	52.82	1.05	19.54	11.74		7											
2613931	33.50	8.45	13.50	6.05		13											
2613932	26.13	4.20	10.03	9.95		10											

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE		YIELD		N		P2O5 K2O		S		Zn		MgO		Fe		Mn		Cu		B		Cl		LIME REC	
			GROWN		GOAL										lbs/A												60% ECCE	T/A
2613929	LAND PARTNERSHIP 13-7 PIT R	EP EW B																										
2613930	LAND PARTNERSHIP 13-7 PIT R	EP EW S																										
2613931	LAND PARTNERSHIP 13-7 PIT R	ST B																										
2613932	LAND PARTNERSHIP 13-7 PIT R	ST S																										

Analysis By: American Agricultural Lab

Recommendations By: American Agricultural Lab

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Inorganic Sample Comparison Chart
Samples taken 08/14/2018

Sample Name	Tested For	Test Result	Cogcc Max Concentration Level
West Pit South Wall Berm (WP – SW B)	pH SAR EC Calcium Magnesium Sodium	7.8 3.63 10.02 mmhos/cm 199.99 me/L 46.26 me/L 40.31 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
West Pit South Wall Surface (WP – SW S)	pH SAR EC Calcium Magnesium Sodium	8.1 11.60 3.76 mmhos/cm 51.38 me/L 17.32 me/L 20.55 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
West Pit West Wall Berm (WP – EW B)	pH SAR EC Calcium Magnesium Sodium	8.8 60.26 8.30 mmhos/cm 13.38 me/L 3.06 me/L 172.78 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
West Pit West Wall Surface (WP – EW S)	pH SAR EC Calcium Magnesium Sodium	8.6 11.60 3.60 mmhos/cm 21.96 me/L 0.78 me/L 8.78 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
West Pit North Wall Berm (WP – NW B)	pH SAR EC Calcium Magnesium Sodium	8.3 30.82 6.76 mmhos/cm 38.55 me/L 10.45 me/L 152.53 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
West Pit North Wall Surface (WP – NW S)	pH SAR EC Calcium Magnesium Sodium	8.4 10.45 3.98 mmhos/cm 28.70 me/L 8.00 me/L 11.48 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit West Wall Berm (EP – WW B)	pH SAR EC Calcium Magnesium Sodium	8.4 29.79 7.56 mmhos/cm 39.61 me/L 10.43 me/L 149.02 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Inorganic Sample Comparison Chart
Samples taken 08/14/2018

East Pit West Wall Surface (EP – WW S)	pH SAR EC Calcium Magnesium Sodium	9.0 8.71 3.90 mmhos/cm 25.21 me/L 1.67 me/L 10.08 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit South Wall Berm (EP – SW B)	pH SAR EC Calcium Magnesium Sodium	7.8 4.44 5.80 mmhos/cm 99.52 me/L 25.97 me/L 35.14 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit South Wall Surface (EP – SW S)	pH SAR EC Calcium Magnesium Sodium	7.9 11.49 3.82 mmhos/cm 110.48 me/L 30.37 me/L 43.56 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit North Wall Berm (EP – NW B)	pH SAR EC Calcium Magnesium Sodium	8.4 9.95 14.90 mmhos/cm 42.73 me/L 19.51 me/L 17.36 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit North Wall Surface (EP – NW S)	pH SAR EC Calcium Magnesium Sodium	8.2 7.02 3.02 mmhos/cm 50.95 me/L 11.65 me/L 17.23 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit East Wall Berm (EP – EW B)	pH SAR EC Calcium Magnesium Sodium	8.5 51.23 8.44 mmhos/cm 30.94 me/L 9.23 me/L 229.61 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
East Pit East Wall Surface (EP – EW S)	pH SAR EC Calcium Magnesium Sodium	8.4 11.74 3.30 mmhos/cm 52.82 me/L 1.05 me/L 19.54 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Inorganic Sample Comparison Chart
Samples taken 08/14/2018

Skim Tank Berms Composite (ST – B)	pH SAR EC Calcium Magnesium Sodium	8.3 6.05 3.92 33.50 me/L 8.45 me/L 13.50 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
Skim Tank Surface Composite (ST – S)	pH SAR EC Calcium Magnesium Sodium	8.7 9.95 2.16 mmhos/cm 26.13 me/L 4.20 me/L 10.03 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm

Investment Equipment LLC

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

Inorganic Samples

Legend

- Soil Samples

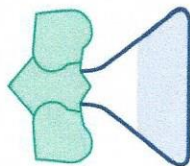


American Agricultural Laboratory, Inc.

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www.AmAgLab.com



20423

DC DOZER SERVICE

1403 FILLMORE ST

STERLING CO 80751

NAME : TODD TROUTMAN

DATE RECEIVED: 02/26/2019

DATE REPORTED: 03/05/2019

SOIL TEST RESULTS																				
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS									
				1:1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M3 ppm						
2481634	CS 1		0-8	8.1		H	1.00													
2481635	CS 2		0-8	7.8		N	0.02													
2481636	CS 3		0-8	8.3		H	0.86													
2481637	CS 4		0-8	8.3		H	1.10													
2481638	CS 5		0-8	8.0		M	1.16													
2481639	CS 6		0-8	7.9		L	1.16													
LAB NUMBER	SULFATE-S			NH4OAc (Exchangeable)			DTPA			BORON		EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION							
	Ca-P ppm	K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm	Fe ppm	Mn ppm	Cu ppm	Sorbitol ppm	BASE		H	Ca	Mg	K	Na			
2481634												1.3								
2481635												0.6								
2481636												1.1								
2481637												1.6								
2481638												1.1								
2481639												0.6								
LAB NUMBER	SOLUBLE (SAT. EXT.)			SODIUM ADSORPTION RATIO (SAR)		EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N ppm	ALUMINUM ppm	TOTAL N %				
	Ca me/L	Mg me/L	Na me/L	Ca me/L	Na me/L			SAND %	SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A							
2481634	2.46	0.97	6.67	5.09	6.67	6	0													
2481635	2.26	0.69	3.66	3.01	3.66	3	0													
2481636	1.89	0.78	5.19	4.49	5.19	5	0													
2481637	2.32	0.06	9.15	8.38	9.15	11	0.4													
2481638	3.66	0.93	6.84	4.52	6.84	5	0													
2481639	7.99	2.20	3.62	1.60	3.62	1	0													
SUGGESTED FERTILIZER RECOMMENDATIONS																				
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION		CROP TO BE GROWN		YIELD GOAL		N	P2O5	K2O	S	Zn	MgO lbs/A	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A	
2481634	CS 1																			
2481635	CS 2																			
2481636	CS 3																			
2481637	CS 4																			
2481638	CS 5																			
2481639	CS 6																			
Analysis By: American Agricultural Lab		Recommendations By: American Agricultural Lab																		

LIME REC
60% ECCE
T/A

LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	Depth Inches	pH		EL	SOLUBLE SALTS mod. SP mmhos/cm	OM LOI %	NITRATE-N (FIA)		PHOSPHORUS																								
				1:1 Soil	Buffer Woodruff				ppm	lbs/A	P1 ppm	Bicarb ppm	P2 ppm	M2 ppm	M3 ppm																				
2481640	CS 7		0-8	8.1		L	1.68																												
2481641	CS 8		0-8	8.2		H	0.74																												
2481642	CS 9		0-8	8.1		L	2.16																												
2481643	CS 10		0-8	8.1		H	1.42																												
2481644	CS 11		0-8	8.1		L	1.42																												
2481645	CS 12		0-8	8.0		L	0.16																												
LAB NUMBER	NH4OAc (Exchangeable)				DTPA		BORON Sorbitol ppm	EST. CATION EXCHANGE CAPACITY (CEC) me/100g	% SATURATION																										
	Ca-P ppm	K ppm	Ca ppm	Mg ppm	Na ppm	Zn ppm			Fe ppm	Mn ppm	Cu ppm	BASE	H	Ca	Mg	K	Na																		
2481640																																			
2481641								1.0																											
2481642								1.1																											
2481643								3.3																											
2481644								1.4																											
2481645								1.4																											
								1.3																											
LAB NUMBER	SOLUBLE (SAT. EXT.)		SODIUM ADSORPTION RATIO (SAR)		EXCH. SODIUM PERCENT (ESP)	GYPSUM REQ T/A	PARTICLE SIZE ANALYSIS				CHLORIDE		EXCH. NH4-N		ALUMINUM ppm	TOTAL N %																			
	Ca me/L	Mg me/L	Na me/L	SAND %			SILT %	CLAY %	SOIL TEXTURE	ppm	lbs/A	ppm	lbs/A																						
2481640	5.22	1.63	13.95	7.54	10	0.4																													
2481641	1.98	0.89	3.96	3.31	4	0																													
2481642	4.57	1.29	12.15	6.58	13	0.4																													
2481643	3.98	1.40	11.36	6.93	9	0.6																													
2481644	5.22	1.56	11.74	6.38	8	0.4																													
2481645	5.73	1.41	10.14	5.37	7	0																													
LAB NUMBER	FIELD IDENTIFICATION	SAMPLE IDENTIFICATION	CROP TO BE		YIELD GOAL	N	P2O5	K2O	S	Zn	MgO lbs/A	Fe	Mn	Cu	B	Cl	LIME REC 60% ECCE T/A																		
			GROWN	GOAL																															
2481640	CS 7																																		
2481641	CS 8																																		
2481642	CS 9																																		
2481643	CS 10																																		
2481644	CS 11																																		
2481645	CS 12																																		
Analysis By: American Agricultural Lab																		Recommendations By: American Agricultural Lab																	

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Confirmation Sample Comparison Chart
Samples taken 2/26/2019

Sample Name	Tested For	Test Result	Cogcc Max Concentration Level
CS - #1	pH SAR EC Calcium Magnesium Sodium	8.1 5.09 1.00 mmhos/cm 2.46 me/L 0.97 me/L 6.67 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #2	pH SAR EC Calcium Magnesium Sodium	7.8 3.01 0.02 mmhos/cm 2.26 me/L 0.69 me/L 3.66 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #3	pH SAR EC Calcium Magnesium Sodium	8.3 4.49 0.86 mmhos/cm 1.89 me/L 0.78 me/L 5.19 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #4	pH SAR EC Calcium Magnesium Sodium	8.3 8.38 1.10 mmhos/cm 2.32 me/L 0.06 me/L 9.15 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #5	pH SAR EC Calcium Magnesium Sodium	8.0 4.52 1.16 mmhos/cm 3.66 me/L 0.93 me/L 6.84 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #6	pH SAR EC Calcium Magnesium Sodium	7.9 1.60 1.16 mmhos/cm 7.99 me/L 2.20 me/L 3.62 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS - #7	pH SAR EC Calcium Magnesium Sodium	8.1 7.54 1.68 mmhos/cm 5.22 me/L 1.63 me/L 13.95 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm

Investment Equipment LLC
Land Partnership
SWSW 10N 53W 6th PM
Confirmation Sample Comparison Chart
Samples taken 2/26/2019

CS #8	pH SAR EC Calcium Magnesium Sodium	8.2 3.31 0.74 mmhos/cm 1.98 me/L 0.89 me/L 3.96 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS #9	pH SAR EC Calcium Magnesium Sodium	8.1 6.58 2.16 mmhos/cm 4.57 me/L 1.29 me/L 12.15 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS #10	pH SAR EC Calcium Magnesium Sodium	8.1 6.93 1.42 mmhos/cm 3.98 me/L 1.40 me/L 11.36 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS #11	pH SAR EC Calcium Magnesium Sodium	8.1 6.38 1.42 mmhos/cm 5.22 me/L 1.56 me/L 11.74 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm
CS #12	pH SAR EC Calcium Magnesium Sodium	8.0 5.37 0.16 mmhos/cm 5.73 me/L 1.41 me/L 10.14 me/L	pH - 6 – 9 SAR - < 12 EC - < 4 mmhos/cm

Investment Equipment

Land Partnership #13 - 7
SWSW Sec 7 10N 53W

Confirmation Inorganic Samples

Legend

• Inorganic Samples



Google Earth

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Requested Facility: North Weld Landfill☐ Unsure Profile Number: 128994CO☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____**A. GENERATOR INFORMATION (MATERIAL ORIGIN)**

1. Generator Name: Investment Equipment LLC
2. Site Address: Land Partnership SWSW 10N 53W
(City, State, ZIP) Sterling CO 80751
3. County: Logan
4. Contact Name: Jim Chisem
5. Email: _____
6. Phone: (405) 642-9437 7. Fax: _____
8. Generator EPA ID: _____ ☒ N/A
9. State ID: _____ ☒ N/A

C. MATERIAL INFORMATION

1. Common Name: Contaminated Soil from skim pit
Describe Process Generating Material: ☐ See Attached

Oil/water are pumped out of the ground at the well head and sent down the flow line to the separator, where oil is then sent to the production tanks and water is sent to the skim pit. Contaminated soil is from the pit bottom of the skim

2. Material Composition and Contaminants: ☐ See Attached

1. Contaminated Soil from skim pit	100 %
2.	
3.	
4.	

Total comp. must be equal to or greater than 100% ≥100%
3. State Waste Codes: _____ ☒ N/A
4. Color: brownish grey
5. Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☒ N/A
7. pH: _____ to _____ ☒ N/A
8. Strong Odor: ☐ Yes ☒ No Describe: _____
9. Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☒ N/A

B. BILLING INFORMATION☐ SAME AS GENERATOR

1. Billing Name: D.C. Dozer Service
2. Billing Address: 1403 Fillmore Street
(City, State, ZIP) Sterling CO 80751
3. Contact Name: Todd Troutman
4. Email: tommytroutman27@yahoo.com
5. Phone: (970) 580-0062 6. Fax: _____
7. WM Hauled? ☐ Yes ☒ No
8. P.O. Number: _____
9. Payment Method: ☒ Credit Account ☐ Cash ☐ Credit Card

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☒ No
Code: _____
2. State Hazardous Waste? ☐ Yes ☒ No
Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☒ Yes* ☐ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☒ No
5. From an industry regulated under Benzene NESHAP? ☐ Yes* ☒ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☒ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☒ No
8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☒ No
***If Yes, see Addendum (page 2) for additional questions and space.**
9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☒ No
a. Regulated by 40 CFR 761? ☐ Yes ☐ No
b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
c. Were PCB imported into the US? ☐ Yes ☐ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☒ No
11. Contains Asbestos? ☐ Yes ☒ No
→ If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☐ Yes
Please identify applicable samples and/or lab reports:

2. Other information attached (such as MSDS)? ☐ Yes

F. SHIPPING AND DOT INFORMATION

1. ☒ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 100
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: _____
3. Container Type and Size: 20 cubic yard belly dump
4. USDOT Proper Shipping Name: _____ ☒ N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 – Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): Todd Troutman Date: 03/05/2019Title: OperatorCompany: D.C. Dozer Service

Certification Signature



Only complete this Addendum if prompted by responses on EZ Profile™ (page 1) or to provide additional information. Sections and question numbers correspond to EZ Profile™.

Profile Number: 128994CO

C. MATERIAL INFORMATION

Describe Process Generating Material (Continued from page 1):

If more space is needed, please attach additional pages.

pit. The material to be shipped under this profile will NEVER include ****any**** of the following waste streams. Tank bottoms (solids and liquids), filter socks, filter press cake or sludge, discarded pipe and flow line sections, or residual materials dislodged during cleaning and maintenance activities on pipelines, flow lines, connector pipes, tanks and vessels.

Material Composition and Contaminants (Continued from page 1):

If more space is needed, please attach additional pages.

5.	
6.	
7.	
8.	
9.	
Total composition must be equal to or greater than 100%	
	≥100%

D. REGULATORY INFORMATION

Only questions with a "Yes" response in Section D on the EZ Profile™ form (page 1) need to be answered here.

1. EPA Hazardous Waste

a. Please list all USEPA listed and characteristic waste code numbers:

b. Is the material subject to the Alternative Debris standards (40 CFR 268.45)?

☐ Yes ☐ No

c. Is the material subject to the Alternative Soil standards (40 CFR 268.49)? → If Yes, complete question 4.

☐ Yes ☐ No

d. Is the material exempt from Subpart CC Controls (40 CFR 264.1083)?

☐ Yes ☐ No

→ If Yes, please check **one** of the following:

☐ Waste meets LDR or treatment exemptions for organics (40 CFR 264.1082(c)(2) or (c)(4))

☐ Waste contains VOCs that average <500 ppmw (CFR 264.1082(c)(1)) – will require annual update.

2. State Hazardous Waste → Please list all state waste codes:

3. For material that is Treated, Delisted, or Excluded → Please indicate the category, below:

☐ Delisted Hazardous Waste

☒ Excluded Waste under 40 CFR 261.4 → Specify Exclusion: E and P exempt

☐ Treated Hazardous Waste Debris

☐ Treated Characteristic Hazardous Waste → If checked, complete question 4.

4. Underlying Hazardous Constituents → Please list all Underlying Hazardous Constituents:

5. Industries regulated under Benzene NESHAP include petroleum refineries, chemical manufacturing plants, coke by-product recovery plants, and TSDFs.

a. Are you a TSDF? → If yes, please complete Benzene NESHAP questionnaire. If not, continue.

☐ Yes ☐ No

b. Does this material contain benzene?

☐ Yes ☐ No

1. If yes, what is the flow weighted average concentration?

_____ ppmw

c. What is your facility's current total annual benzene quantity in Megagrams?

☐ <1 Mg ☐ 1–9.99 Mg ☐ ≥10 Mg

d. Is this waste soil from a remediation?

☐ Yes ☐ No

1. If yes, what is the benzene concentration in remediation waste?

_____ ppmw

e. Does the waste contain >10% water/moisture?

☐ Yes ☐ No

f. Has material been treated to remove 99% of the benzene or to achieve <10 ppmw?

☐ Yes ☐ No

g. Is material exempt from controls in accordance with 40 CFR 61.342?

☐ Yes ☐ No

→ If yes, specify exemption: _____

h. Based on your knowledge of your waste and the BWON regulations, do you believe that this waste stream is subject to treatment and control requirements at an off-site TSDF?

☐ Yes ☐ No

6. 40 CFR 63 GGGGG → Does the material contain <500 ppmw VOHAPs at the point of determination?

☐ Yes ☐ No

7. CERCLA or State-Mandated clean up → Please submit the Record of Decision or other documentation with process information to assist others in the evaluation for proper disposal. A "Determination of Acceptability" may be needed for CERCLA wastes not going to a CERCLA approved facility.

8. NRC or state regulated radioactive or NORM Waste → Please identify Isotopes and pCi/g: _____

Profile Number: 128994CO

Generator Name: Investment Equipment LLC

Date: 3/5/2019

INSTRUCTIONS: Please complete both Page 1 and Page 2 of this form and provide a signed copy with your Generator's EZ Profile. Page 3 includes a summary of the Federal and Colorado Hazardous Waste Exclusion for Exploration & Production (E&P) wastes.

HAZARDOUS WASTE EXCLUSION CHECKLIST

Mark all wastes that apply. NOTE: If the waste has an asterisk (*) next to it, EITHER provide radionuclide analytical as per CDPHE's requirements for evaluating potential TENORM-containing wastes generated by oil and gas exploration and production -OR- provide documentation that the waste is not on CDPHE's list of waste streams requiring further characterization.

- ☐* Accumulated materials such as hydrocarbons, solids, sands, and emulsion from production separators, fluid treating vessels, and production impoundments. Does not include tank bottoms, filter cake, filtration media.
- ☐* Constituents removed from produced water before it is injected or otherwise disposed.
- ☐ Drill Cuttings.
- ☐ Drilling Fluids.
- ☐* Filter cake (solid, sludge) generated during primary field operations.
- ☐* Filter socks (produced water) generated during primary field operations.
- ☐* Fluids derived from well completion, treatment, stimulation, and packing activities.
- ☐* Gas plant dehydration wastes, including glycol-based compounds, glycol filters, filter media, backwash, and molecular sieves.
- ☐* Gas plant sweetening wastes for sulfur removal, including amines, amine filters, amine filter media, backwash, precipitated amine sludge, iron sponge, and hydrogen sulfide scrubber liquid and sludge.
- ☐ Gases from the production stream, such as hydrogen sulfide and carbon dioxide, and volatilized hydrocarbons.
- ☐ Geothermal production fluids.
- ☒ Hydrocarbon-bearing soil generated during primary field operations.
- ☐ Hydrogen sulfide abatement wastes from geothermal production.
- ☐ Light organics volatilized from excluded wastes in reserve pits, impoundments, or production equipment.
- ☐ Liquid hydrocarbons removed from the production stream (but not from oil refining).
- ☐ Materials ejected from a producing well during blowdown.
- ☐* Pigging wastes from gathering lines.
- ☐* Pipe, including flow line sections.
- ☐* Pipe scale, hydrocarbon solids, hydrates, and other deposits removed from piping and equipment prior to transportation (includes residual materials dislodged during maintenance activities on pipelines, flow lines, connector pipes, tanks and vessels).
- ☐* Pit sludges and contaminated bottoms from storage or disposal of excluded wastes.
- ☐ Produced sand.
- ☐ Produced water.
- ☐ Rig wash (only excluded when it includes washing of excluded waste from vehicles and equipment within primary field operations).
- ☐* Spent filters, filter media, and backwash (assuming the filter itself is not hazardous and the residue in it is from an excluded waste stream).
- ☐* Tank bottoms (solids and liquids): basic sediment, water, and other tank bottoms from storage facilities that hold excluded waste.
- ☒ Waste crude oil from primary field operations.
- ☐ Wastes from subsurface gas storage and retrieval, except for the non-excluded wastes listed below.
- ☐* Workover Wastes (includes residual materials dislodged during maintenance activities or pipelines, flow lines connector pipes, tanks and vessels).

Profile Number: 128994CO

TENORM APPLICABILITY AND EVALUATION

BACKGROUND: On November 7, 2017 the Colorado Department of Public Health & Environment (CDPHE) issued a letter to address management of specific Exploration and Production (E&P) waste streams with the potential for high concentrations of TENORM. Effective as of the issue of the letter, the specific waste streams listed below are prohibited from disposal in all landfills in Colorado not specifically approved and designated to take them unless and until each waste is sampled and tested on a per shipment basis or in a representative and statistically valid manner consistent with the guidelines provided by CDPHE in Attachment B to the 11/07/17 and found to contain TENORM at levels less than the administrative release levels listed below.

Applicable Waste Streams

- Tank bottoms (solids and liquids)
- Filter socks
- Filter press cake or sludge
- Discarded pipe and flow line sections
- Residual materials dislodged during cleaning and maintenance activities on pipelines, flow lines, connector pipes, tanks and vessels

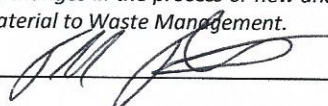
Administrative Release Levels (after background levels subtracted):

- Combined Radium 226 + Radium 228 must be less than 3 picocuries/gram (pCi/g)
- Natural Uranium must be less than 30 pCi/g
- Natural Thorium must be less than 3 pCi/g

DIRECTIONS: Please answer all waste characterization questions below. If the waste to be managed under this profile is one of the applicable waste streams listed above, please also provide a copy of applicable analytical. Note that for 'dynamic' wastes (see definition below), analytical will be required for each load and/or batch of waste.

WASTE CHARACTERIZATION	YES	NO
1. Does the waste to be included under this profile include any of the waste streams identified by CDPHE as having the potential for high concentrations of TENORM (see 'Applicable Waste Streams', above)? ➤ If 'NO', sign and certify below. No further action needed. ➤ If 'YES', complete questions 3 through 5 and provide copies of required analytical.		X
2. Are the radionuclide levels for the potential TENORM waste <u>less than</u> the Colorado Administrative Release Levels (see 'Administrative Release Levels', above), after subtraction of established background levels and following other characterization requirements in accordance with Attachment B of CDPHE's 11/07/17 letter?? ➤ If 'NO', waste cannot currently be accepted into any WM landfills in Colorado. Please see CDPHE's 11/07/17 letter for alternative disposal options. ➤ If 'YES', proceed to question 4.		
3. Is the waste a 'static' waste stream (e.g. waste streams that are a result of an essentially constant and consistent process where the input materials are of a consistent character and the output residuals are expected to have little variability)? ➤ If 'NO', please skip to Question 5. ➤ If 'YES', are the number of initial or periodic samples provided statistically significant in accordance with EPA Hazardous Waste Test Methods SW-846? <input type="checkbox"/> YES, samples provided are statistically significant. ➤ NOTE: If the samples provided are not statistically significant, then the waste cannot currently be accepted into any WM landfills in Colorado. Please see CDPHE's 11/07/17 letter for alternative disposal options.		
4. Is the waste a 'dynamic' waste stream (e.g. waste streams that are the result of a process that is inherently variable in terms of the inputs into and/or outputs out of the process) and samples provided are representative of the waste to be shipped? NOTE: Radionuclide analytical must be provided from representative samples of the waste for each load and/or batch for 'dynamic' waste streams. ➤ If 'NO', waste cannot currently be accepted into any WM landfills in Colorado. Please see CDPHE's 11/07/17 letter for alternative disposal options.		

GENERATOR CERTIFICATION: By signing this Generator's EZ Profile™ Addendum, I hereby certify that all information contained herein, and all attached documents, are a true, complete, and accurate description of the waste material being offered for disposal, and all necessary information has been provided to establish compliance with CDPHE's November 7, 2017 letter regarding acceptance of E&P waste streams with the potential for high concentrations of TENORM. All radionuclide analytical data provided was derived from sample(s) that were collected and analyzed in accordance with the requirements of Attachment B to CDPHE's November 7, 2017 letter. Any change in information regarding the nature or character of the material offered for disposal (i.e., changes in the process or new analytical data) will be identified by the Generator and will be disclosed to Waste Management prior to providing the material to Waste Management.

Generator Signature:  Date: 3/5/2019

PRINT NAME, TITLE: Todd Troutman, Representative

GENERAL OVERVIEW OF THE RCRA HAZARDOUS WASTE EXCLUSION (Excerpted from EPA's 'Exclusion of Oil and Gas Exploration and Production Wastes from Federal Hazardous Waste Regulations' and 'McCoy's RCRA Unraveled')

Certain Exploration & Production (E&P) Wastes are excluded under RCRA Subtitle C hazardous waste regulations (40 CFR 261.4(b)(5)) as well as Colorado hazardous waste regulations (6 CCR 1007-3 Part 261.4(b)(5)). Excluded materials include drilling fluids, produced water, and other wastes associated with the exploration, development, or production of crude oil or natural gas, and geothermal energy wastes.

State, local and/or more stringent permit or other federal requirements may supersede the RCRA exclusion.

E&P wastes can still present a hazard to human health and/or the environment if improperly managed, even if the waste is excluded from being a hazardous waste. The excluded status of an E&P waste depends on how the material was used or generated as waste, not necessarily whether the material is hazardous or toxic.

DETAILED CLARIFICATION (excerpted from EPA's 'Exclusion of Oil and Gas Exploration and Production Wastes from Federal Hazardous Waste Regulations' and 'McCoy's RCRA Unraveled')

1. A general **rule of thumb** to determine if the waste is likely excluded under 40 CFR 261.4(b)(5):
 - The waste has come from down-hole (i.e. was it brought to the surface during oil, gas, or geothermal energy exploration, development, or production operations).
 - The waste has been otherwise generated by contact with the oil and gas or geothermal energy production stream during the removal of produced water or other contaminants from the well or the product (e.g. waste demulsifiers, spent iron sponge).
2. **Waste must be "uniquely associated" with the exploration, development or production of exploration, development or production of oil, gas, or geothermal energy to be excluded.**
 - "Uniquely associated wastes" specifically includes waste materials intrinsically derived from primary field operations associated with the exploration, development or production of crude oil, natural gas, or geothermal energy. "Intrinsically derived from primary field operations" is intended to distinguish exploration, development, and production operations from transportation and manufacturing operations.
3. **Primary field operations** include exploration, development, and the primary, secondary and tertiary production of oil or gas.
 - **Exploration** involves the search for geologic formations associated with oil or gas deposits using geophysical prospecting and/or exploratory drilling.
 - **Development** includes constructing wells (i.e. development drilling) to retrieve oil and/or gas. Drilling fluids are used during well construction to 1) cool and lubricate the drill bit; 2) remove drill cuttings from the drilling area and transport them to the surface; 3) counterbalance formation pressure to prevent formation fluids from entering the well prematurely; and 4) prevent the open, uncased wellbore from caving in. During the drilling process drill cuttings coated with drilling fluids and oil are generated.
 - **Production** is the process of extracting the hydrocarbons from the subsurface and separating the mixture of liquid hydrocarbons, gas, water, and solids into saleable constituents.
 - ✓ Primary production relies on the natural reservoir pressure for recovery of these materials and may use pumps.
 - ✓ Secondary or enhanced recovery uses reinjection of produced water into the formation to repressurize the reservoir and reestablish fluid flow into the recovery wells.
 - ✓ Tertiary recover: steam, oil-miscible fluids, surfactants, and/or microbes are injected into the formation to extract oil and gas.
 - **Workover wastes** are generated during maintenance activities on production wells. Wastes may include salts (called scale) and paraffins that accumulate in the well during production.
 - **Crude oil primary field operations** include activities occurring at or near the well-head and before the point where the oil is transferred from an individual field facility or a centrally located facility to a carrier for transport to a refinery or a refiner. Crude oil processing such as water separation, de-emulsifying, degassing, and storage at tank batteries associated with a specific well or wells, are examples of primary field operations.
 - **Natural gas primary field operations** include activities occurring at or near the wellhead or at the gas plant but before the point where the gas is transferred from an individual field facility, a centrally located facility, or a gas plant to a carrier for transport to market. NOTE: because natural gas often requires processing to remove water and other impurities prior to entering the sales line, gas plants are considered to be part of production operations regardless of their location with respect to the wellhead.
 - **Geothermal energy sources** include hot water and steam that are tapped from the earth. Drilling related wastes and other wastes generated during exploration, development, or production are similar to those associated with the oil and gas industry. Geothermal energy wastes that are excluded include the following examples (this list is not comprehensive):
 - ✓ Flash tank solids (except those associated with electrical power generation), geothermal production fluids, hydrogen sulfide abatement wastes from geothermal energy production, most direct-use waste streams, piping scale, precipitated solids from brine effluent, reinjection well fluid wastes, settling pond wastes, waste streams from materials passing through the turbine in dry-steam power generation, waste streams resulting from a geothermal energy fluid or gas that passed through the turbine in flashed stream and binary power plants, waste streams resulting from the geothermal energy products passing through only the heat exchanger in binary operations or through the flash separator in the flash process. Other gas plant sweetening wastes for sulfur removal including amine, amine filters, amine filter media, precipitated amine sludge, iron sponge, and hydrogen sulfide scrubber liquid and sludge. Gas plant dehydration wastes including glycol based compounds, glycol filters, filter media, backwash and molecular sieves. Cooling tower blowdown from gas plants.

E&P WASTES THAT DO NOT QUALIFY FOR THE HAZARDOUS WASTE EXCLUSION:

Boiler cleaning wastes, including boiler refractory bricks, scrubber fluids, sludge and ash.
Caustic or acid cleaners.
Drums, insulation, and miscellaneous solids.
Fracturing fluids or acids, unused.
Gas plant cooling tower cleaning wastes.
Incinerator ash.
Laboratory wastes.


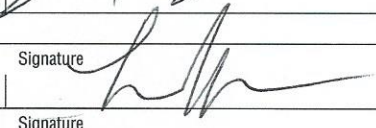
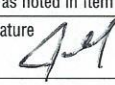
Liquid and solid wastes generated by crude oil and tank bottom reclaimers.¹
Oil and gas service company wastes such as empty drums, drum rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids.
Painting wastes.
Pesticide wastes.
Radioactive tracer wastes.

Refinery wastes.
Used equipment lubricating oil.
Used hydraulic fluids.
Vacuum truck and drum rinsate from trucks and drums transporting or containing non-excluded waste.
Waste compressor oil, filters and blowdown.
Waste in transportation pipeline related pits.


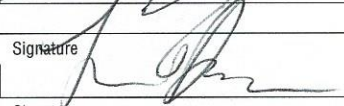
¹ Although non-E&P wastes generated from crude oil and tank bottom reclamation operations (e.g., waste equipment cleaning solvent) are non-excluded, residuals derived from excluded wastes (e.g., produced water separated from tank bottoms) are excluded. For a further discussion, see the Federal Register notice, "Clarification of the Regulatory Determination for Waste from the Exploration, Development, and Production of Crude Oil, Natural Gas and Geothermal Energy," March 22, 1993, Federal Register Volume 58, Pages 15284 to 15287.


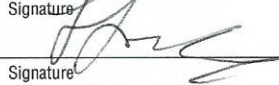
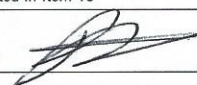
1810569

01/11/19

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number 476541	
5. Generator's Name and Mailing Address INVESTMENT EQUIPMENT LLC C/O D.C. DOZER 1403 FILLMORE ST STERLING CO 80751			Generator's Project Address (if different than mailing address) INVESTMENT EQUIPMENT LLC Land Partnership SWSW 10N 53W STERLING CO 80751			
Generator's Phone: (405) 642-9437			Transporter Phone (970) 580-0062			
6. Transporter 1: Complete Company Name and Address D.C. Dozer Service 1403 Fillmore St. Sterling, CO 80751			Transporter Phone (970) 580-0062			
7. Transporter 2: Complete Company Name and Address			Transporter Phone			
8. Designated Disposal Facility Name and Site Address NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610			Facility's Phone: (970) 686-2900			
9. Waste Shipping Name, Description, & Profile Number			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT) 12899400					29.82	
2.						
13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530			Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number			
14. Bill to & Account Number: Customer Acct #: N 10366 Customer Name: D.C. DOZER SERVICE						
15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.						
Generator's/Officer's Printed/Typed Name Todd Troutman			Signature 		Month Day Year 03 10 19	
16. Transporter Acknowledgement of Receipt of Materials						
Transporter 1 Printed/Typed Name Leonard Terrel			Signature 		Month Day Year 3 11 19	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Special Handling Instructions						
18. Discrepancy Indication Space:					19. Ticket # 1810569	
Initials of Person noting discrepancy			Signature		Date	
20. Management Method/Location Landfill _____ Monofill _____ Location:						
21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18						
Printed/Typed Name JG			Signature 		Month Day Year 03 11 19	

1810722

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number N / A	2. Page 1 of	3. Emergency Response Phone 1 800-424-9300	4. Waste Tracking Number 476542	
5. Generator's Name and Mailing Address INVESTMENT EQUIPMENT LLC C/O D.C. DOZER 1403 FILLMORE ST STERLING CO 80751			Generator's Project Address (if different than mailing address) INVESTMENT EQUIPMENT LLC Land Partnership SWSW 10N 53W STERLING CO 80751			
Generator's Phone: (405) 642-9437			Transporter Phone (970) 580-0062			
6. Transporter 1: Complete Company Name and Address D.C. Dozer Service 1403 Fillmore St Sterling, CO 80751			Transporter Phone			
7. Transporter 2: Complete Company Name and Address			Transporter Phone			
8. Designated Disposal Facility Name and Site Address NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610			Facility's Phone: (970) 686-2800			
9. Waste Shipping Name, Description, & Profile Number			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT) 12899400					27.49	
2.						
13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530				Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number		
14. Bill to & Account Number: Customer Acct #: N 10366 Customer Name: D.C. DOZER SERVICE						
15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.						
Generator's/Officer's Printed/Typed Name Todd Troutman			Signature 		Month Day Year 03/10/19	
16. Transporter Acknowledgement of Receipt of Materials			Signature		Month Day Year	
Transporter 1 Printed/Typed Name Leonard Jones			Signature 		Month Day Year 3/11/19	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Special Handling Instructions						
18. Discrepancy Indication Space:					19. Ticket # 1810722	
Initials of Person noting discrepancy			Signature		Date	
20. Management Method/Location Landfill _____ Monofill _____ Location:						
21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18						
Printed/Typed Name JG			Signature JG		Month Day Year 03/11/19	

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number <div style="text-align: center;">N / A</div>		2. Page 1 of 1		3. Emergency Response Phone 800-424-9300		4. Waste Tracking Number <div style="text-align: center; font-size: 1.2em;">476543</div>	
		5. Generator's Name and Mailing Address <div style="text-align: center;">INVESTMENT EQUIPMENT LLC C/O D.C. DOZER 1403 FILLMORE ST STERLING CO 80751</div>		Generator's Project Address (if different than mailing address) <div style="text-align: center;">INVESTMENT EQUIPMENT LLC Land Partnership SWSW 10N 53W STERLING CO 80751</div>		Generator's Phone: <div style="text-align: center;">(405) 642-9437</div>		Transporter Phone <div style="text-align: center;">(970) 580-0062</div>	
6. Transporter 1: Complete Company Name and Address <div style="text-align: center;">D.C. Dozer Service 1403 Fillmore St. Sterling, CO 80751</div>		7. Transporter 2: Complete Company Name and Address		8. Designated Disposal Facility Name and Site Address <div style="text-align: center;">NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</div>		Facility's Phone: <div style="text-align: center;">(970) 686-2800</div>			
9. Waste Shipping Name, Description, & Profile Number		10. Containers		11. Total Quantity		12. Unit Wt./Vol.			
		No. Type							
1. NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT) <div style="text-align: right;">12899400</div>				29.48		L			
2.									
13. Regulatory Agency: Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530						Emergency Notification: CHEMTREC (800) 424-9300 24-hour Toll Free Number			
14. Bill to & Account Number: <div style="text-align: center;">Customer Acct #: N 10366 Customer Name: D.C. DOZER SERVICE</div>									
15. Contractor/Generator Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/ placarded, and are in all respects in proper condition for transportation according to applicable national and state governmental regulations. I hereby certify that the above described waste is not a hazardous waste defined by federal, state or local regulations and does not contain regulated quantities of PCB's or radioactive materials.									
Generator's/Officer's Printed/Typed Name <div style="text-align: center;">Todd Troutman</div>				Signature 				Month Day Year <div style="text-align: center;">03 10 19</div>	
16. Transporter Acknowledgement of Receipt of Materials									
Transporter 1 Printed/Typed Name <div style="text-align: center;">Leonard Jones</div>				Signature 				Month Day Year <div style="text-align: center;">3 11 19</div>	
Transporter 2 Printed/Typed Name				Signature				Month Day Year	
17. Special Handling Instructions									
18. Discrepancy Indication Space:								19. Ticket # <div style="text-align: center;">180904</div>	
Initials of Person noting discrepancy				Signature				Date	
20. Management Method/Location <div style="text-align: center;">Landfill Monofill Location:</div>									
21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18									
Printed/Typed Name <div style="text-align: center;">Robert Carr</div>				Signature 				Month Day Year <div style="text-align: center;">3 11 19</div>	

Separator Area



Production Tanks Area



Tank Battery Area Scraped



Well Head Area



Skim Tank Area



Skim Tank East Wall



Skim Tank North Wall



Skim Tank West and South Walls



Skim Tank Inorganic Samples



East Water Pit



East Water Pit East West Trench



East Water Pit Bottom



East Water Pit North Wall



East Water Pit West Wall



East Water Pit South Wall



East Water Pit East Wall



West Water Pit



West Water Pit Excavated



West Water Pit North Wall



West Water Pit South Wall



West Water Pit West Wall



West Water Pit East Wall



Final Grade

