

**D.C. Dozer Service LLC**

1403 Fillmore Street

Sterling, CO 80751

(970) 580 - 0062

Troutman0231@msn.com

January 27, 2020

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

**Re: Tank Battery Closure Summary Letter Report**

**Tindall Operating Company - Operator # 88380**

**Dorothy 1**

**API: 05-075-09624**

**Facility ID: 111628**

**Legal: NWNE Sec 07-T7N-R58W**

Dear Mr. Young:

On behalf of Tindall Operating Company, D.C. Dozer Service has prepared this Skim Pit and Tank Battery Closure Summary Letter Report (Report) to document closure activities, sampling activities and the results of environmental testing at the Dorothy 1 Skim Pit (Facility ID 111628) and Tank Battery (Site). D.C. Dozer Service provided remediation services at the site that included excavation, collection of confirmation samples, documentation of field activities, and review of analytical data as described below.

**Skim Pit and Tank Battery Closure Activities**

The field activities described herein were performed with the purpose of assessing potential hydrocarbon impacts at the Site related to the closure of the Skim Pit and Tank battery. Soil sampling activities, laboratory analytical results, and conclusions are presented below.

Closure activities were initiated on May 16, 2019, with the removal of impacted soils from the Skim Pit (Pit) to collect confirmation soil samples. Due to an existing DCP line set excavations around the Heater Treater, and Wellhead area were delayed. Between September 9 and September 17, twelve loads were removed from the site for disposal at the North Weld Landfill and the waste manifests are included as Attachment B.

On June 13, 2019 five (5) soil samples were collected from the sidewalls and base of the Pit excavation at approximately 6 and 12 feet below ground surface (bgs), respectively. The soil samples were field screened for volatile organic compound (VOC) concentrations and then submitted to Summit Scientific Laboratory in Golden, Colorado, for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX), total petroleum hydrocarbons (TPH) – gasoline range organics (GRO) by United States Environmental Protection Agency (USEPA) Method 8260B, TPH – diesel range organics (DRO) by USEPA Method 8015.

## Field Inspection

On November 19, 2019 a Field Inspection was performed at the Site, the inspection identified six comments and four corrective actions within Doc # 688000344 that are *listed below*:

*General Comment: Environmental inspection related to Rem #11611. Additional excavation of petroleum impacted soil is required. Gravel/oily gravel removal from former tank battery and vertical separator is required. Disposal of stockpiled petroleum impacted soil and cement is required.*

On December 10, 2019 additional excavation was performed to remove petroleum impacted soil within the Pit. Photos are included within the attached Dorothy 1 Tank Battery Closure Photo Log (Log).

*Good Housekeeping-*

*Comment: Wellhead and minor amounts of unused equipment are stockpiled at the former meter location.*

*Corrective Action: Remove all unused surface equipment and flowline / dumpline risers as required by Rule 1004.*

Unused surface equipment has been removed from the Site as seen within the log. Remaining equipment includes a DCP line set which is scheduled to be removed by DCP in January 2020.

*Waste Management-*

*Comment: Cement from well plugging remains on location*

*Corrective Action: Dispose of cement in accordance with Rule 907.f. and provide disposal documentation to COGCC*

On December 10, 2019 cement and plastic was removed from the site for disposal. Photos are included within the attached Log and disposal documentation is provided within Exhibit B.

*Comment: Oily soil has been stockpiled on location, and oily soil remains in Pit. Operator has not implemented approved Form 27 for pit closure*

*Corrective Action: Handle oily waste from pit and stockpile in accordance with Rule 907.e. and provide disposal documentation on Form 27 Supplemental Report for Remediation #11611*

On December 10, 2019 additional excavation was performed to remove petroleum impacted soil within the Pit and two loads of were removed from the Site. On December 11, an additional load was removed for disposal. Photos are included within the Log and disposal documentation is provided within Exhibit B.

### *Reclamation – Stormwater - Pit*

*Comment: Form 27 for pit closure was received and approved on 7/27/2019. Remediation #11611 was assigned. No followup information received. No oily waste has been removed.*

*Corrective Action: Provide status update to COGCC with planned timeframe for disposal of oily soil from pit, and planned timing for excavation, confirmation soil sampling and backfill of pit with commencement of final reclamation.*

In response to the Field Inspection on December 10, 2019 additional excavation and hauling was performed to remove stockpiled oily soils, oily soils within the Pit, oily gravel, cement, and plastic from the Site. Prior to 12/10/19 excavation activities, lab results from June 13, 2019 and schedule for work going forward were communicated to Rob Young of the COGCC. Work scheduled includes regrading of the tank pad and placing existing topsoil as the surface layer. Following regrading surface soils will be sampled for the Inorganics in soils to ensure compliance with COGCC Table 910 (910). Subsequently the Dorothy 1 tank battery area will be returned to crop farming.

In addition to the excavations listed above excavation and soil sampling was performed on 12/10/2019 at the Production Tank Area (PTA), Heater Treater (HT), and the Wellhead (Wellhead @ 1').

The final extent of the Pit excavation measured approximately 46 feet by 27 feet with an approximate depth of 12 feet bgs. Groundwater was not encountered in the excavation areas. Three loads of excavated material were removed from the site following December 10<sup>th</sup> excavation and closure activities bringing the total amount of material removed to 15 loads weighing approximately 439.27 Tons. Waste disposal manifests are included as Attachment B to this report.

The general Site layout, sample locations and approximate final extent of the excavation are illustrated on Figure 1.

### **Results**

Soil analytical results for the samples collected from the Pit on 6/13/2019 exhibited concentrations in compliance with COGCC Table 910-1 (910). Additional excavation was performed following the Field Inspection to remove visually impacted soils which could not be identified during the 6/13/2019 sampling event. A soil sample collected at the Heater Treater (HT) on 12/10/2019 exceeded 910 standards for DRO. Additional soil was removed for disposal and soil sample HT @ 4' was collected to ensure compliance with Table 910 standards. In total approximately 440 tons of impacted soils were excavated and hauled for disposal. Samples collected at the Production Tank Area (PTA), and the Wellhead (Wellhead @ 1') exhibited concentrations below Table 910 standards. Soil analytical data is provided within Table 1 and the laboratory analytical reports are provided as Attachment A.

## **Conclusions**

Analytical results described herein confirm that BTEX and TPH impacts are no longer present at concentrations above Table 910 standards at the Dorothy 1 Tank battery and Pit locations. Therefore, Tindall Operating Company requests the COGCC closure of Remediation project #11611, the Skim Pit location, and the Dorothy 1 Tank Battery.

If you have any questions or concerns you can reach me by phone at (970) 580 -0062 or email at Troutman0231@msn.com.

Sincerely,

Todd Troutman  
D.C. Dozer Service

## **Attachments:**

Table 1 – Organics Soil Sample Results Summary  
Table Figure 1 – Site and Sample Location Map  
Closure Sampling Event Photos  
Attachment A – Laboratory Analytical Reports  
Attachment B – Waste Disposal Manifests

## Tables

**TABLE 1**  
**TINDALL OPERATING COMPANY**  
**DOROTHY 1 CLOSURE**  
**SOIL ORGANICS ANALYTICAL RESULTS SUMMARY TABLE**

Sample ID	Date Sampled	PID <sup>(1)</sup>	Depth (bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	TPH <sup>(2)</sup> (mg/kg)	ORGANICS PASS/FAIL
COGCC standards for soil (mg/kg) <sup>(3)</sup>				0.17	85	100	175	500	500	500	
SPNW <sup>(4)</sup>	6/13/2019	2.4	6'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50	PASS
SPWW <sup>(5)</sup>	6/13/2019	0.8	6'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50	PASS
SPEW	6/13/2019	2.9	6'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	340	340	PASS
SPSW	6/13/2019	1.5	6'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	400	400	PASS
SPB <sup>(6)</sup>	6/13/2019	25.6	12'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50	PASS
PTA <sup>(7)</sup>	12/10/2019	0.7	1'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50	PASS
HT <sup>(8)</sup>	12/10/2019	0.8	2'	<0.0020	<0.0050	<0.0050	<0.010	<0.50	760	760	FAIL
Wellhead @ 1'	12/10/2019	1.9	1'	<0.0020	<0.0050	<0.0050	<0.010	4.7	<50	<50	PASS
HT @ 4'	12/17/2019	0.6	4'	<0.0020	<0.0050	<0.0050	<0.010	0.53	<50	<50	PASS

**Notes:**

1. PID = Photo-ionization detector
2. TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.
3. Standards for soil are taken from 2 CCR 404-1, Table 910-1, effective January 30, 2015.
4. SPNW - Skim Pit North Wall
5. STWW - Skim Pit West Wall
6. SPB - Skim Pit Base
7. PTA - Production Tank Area
8. HT - Heater Treater Base

COGCC = Colorado Oil and Gas Conservation Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

GRO = Total volatile petroleum hydrocarbons - gasoline range organics

DRO = Total extractable petroleum hydrocarbons - diesel range organics

mg/kg = Milligrams per kilogram

bgs = Below ground surface

**BOLD** = Analytical result is in exceedance of COGCC Table 910-1 soil standards.

**Figure**



Imagery Source: 2013 Google

DATE:	December 2019
DESIGNED BY:	C. Peace
DRAWN BY:	J. Clonts



**TASMAN**  
GEOSCIENCES

Tasman Geosciences, Inc.  
6855 W. 119th Avenue  
Broomfield, Colorado 80020

**Dorothy**  
NWNE Section 07, Township 7 North, Range 58 West  
Weld County, Colorado

Soil Sample Location Map

Figure  
1

## **Closure Photos**

Tindall Operating – Dorothy 1 Tank Battery Closure



Excavation to remove additional oily soils 12/10/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Excavation to remove additional oily soils 12/10/19

Tindall Operating – Dorothy 1 Tank Battery Closure



East wall following excavation to remove additional oily soils 12/10/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Oily gravel was excavated and removed for disposal and PTA soil sample collected from this area  
12/10/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Cement and plastic were removed for disposal 12/10/19

Tindall Operating – Dorothy 1 Tank Battery Closure



South wall following excavation to remove additional oily soils 12/10/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Wellhead @ 1' soil sample location 12/10/19

Tindall Operating – Dorothy 1 Tank Battery Closure



HT soil sample location 12/10/19

Tindall Operating – Dorothy 1 Tank Battery Closure



Impacted soils being loaded for disposal 12/10/19

Tindall Operating – Dorothy 1 Tank Battery Closure



Flowline risers and gravel removed from PTA area 12/17/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



North wall of Pit excavation where piping has been uncovered and capped Looking North where piping is being loaded for disposal 12/17/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Heater treater excavation where failed sample HT was excavated and replacement sample HT @ 4' was collected, Looking East 12/17/19

Tindall Operating – Dorothy 1 Tank Battery Closure



South wall of Pit excavation where piping has been uncovered and capped looking South 12/17/19

## Tindall Operating – Dorothy 1 Tank Battery Closure



Unused equipment has been removed and DCP line set will be removed by DCP in January 2020 looking South 12/17/19



Capped piping in the PTA area 12/17/2019

## Tindall Operating – Dorothy 1 Tank Battery Closure



Tank battery piping and debris has been removed 12/17/2019

**Attachment A**

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 23, 2019

Carter Peace  
Tasman Geosciences  
6899 Pecos St, Unit C  
Denver, CO 80221

RE: Dorothy 1

Work Order # 1906166

Enclosed are the results of analyses for samples received by Summit Scientific on 06/13/19 17:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Paul Shrewsbury', written in a cursive style.

Paul Shrewsbury For Ben Shrewsbury  
Laboratory Manager



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
STNW	1906166-01	Soil	06/13/19 00:00	06/13/19 17:30
STWW	1906166-02	Soil	06/13/19 00:00	06/13/19 17:30
STEW	1906166-03	Soil	06/13/19 00:00	06/13/19 17:30
STSW	1906166-04	Soil	06/13/19 00:00	06/13/19 17:30
STB	1906166-05	Soil	06/13/19 00:00	06/13/19 17:30

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

1906/66

303-277-9310 ♦ 303-374-5933 Fax

Page of

Sampler Name: CD

Project Number: \_\_\_\_\_

www.s2scientific.com

# Sample Receipt Checklist

S2 Work Order

1906166

Client: TAsman

Client Project ID: DOROTHY I

Shipped Via: H.D./P.D./FedEx/UPS/USPS/Other

Airbill #:

Matrix (check all that apply):

Air

X

Soil/Solid

Water

Other:

(Describe)

Temp (°C)

3.6

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	X			
Were all samples received intact <sup>(1)</sup> ?	X			
Was adequate sample volume provided <sup>(1)</sup> ?	X			
If custody seals are present, are they intact <sup>(1)</sup> ?			X	
Are samples with holding times due within 48 hours sample due within 48 hours present?		X		
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	X			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	X			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	X			
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	X			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			X	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			X	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			X	
If dissolved metals are requested, were samples field filtered?			X	
Additional Comments (if any):				
<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.				

Custodian Printed Name or Initials

Signature of Custodian

Date/Time

06/13/19 1825



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**STNW**  
**1906166-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	1906203	06/14/19	06/21/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.9 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1906204	06/14/19	06/15/19	EPA 8015M	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		91.4 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**STWW**  
**1906166-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1906203	06/14/19	06/21/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1906204	06/14/19	06/15/19	EPA 8015M	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.6 %	30-150		"	"	"	"	

Summit Scientific

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Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**STEW**  
**1906166-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1906203	06/14/19	06/21/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>340</b>	50	mg/kg	1	1906204	06/14/19	06/15/19	EPA 8015M	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.1 %	30-150		"	"	"	"	

Summit Scientific

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Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**STSW**  
**1906166-04 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1906203	06/14/19	06/21/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>400</b>	50	mg/kg	1	1906204	06/14/19	06/15/19	EPA 8015M	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.8 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**STB**  
**1906166-05 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1906203	06/14/19	06/21/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1906204	06/14/19	06/15/19	EPA 8015M	

Date Sampled: **06/13/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.4 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1906203 - EPA 5030 Soil MS

##### Blank (1906203-BLK1)

Prepared: 06/14/19 Analyzed: 06/21/19

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0445		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

##### LCS (1906203-BS1)

Prepared: 06/14/19 Analyzed: 06/21/19

Benzene	0.0934	0.0020	mg/kg	0.100		93.4	70-130			
Toluene	0.101	0.0050	"	0.100		101	70-130			
Ethylbenzene	0.111	0.0050	"	0.100		111	70-130			
m,p-Xylene	0.218	0.010	"	0.200		109	70-130			
o-Xylene	0.104	0.0050	"	0.100		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0420		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	21-167			

##### Matrix Spike (1906203-MS1)

Source: 1906166-01

Prepared: 06/14/19 Analyzed: 06/21/19

Benzene	0.0944	0.0020	mg/kg	0.100	ND	94.4	70-130			
Toluene	0.102	0.0050	"	0.100	ND	102	70-130			
Ethylbenzene	0.116	0.0050	"	0.100	ND	116	70-130			
m,p-Xylene	0.225	0.010	"	0.200	ND	112	70-130			
o-Xylene	0.108	0.0050	"	0.100	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		99.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0409		"	0.0400		102	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1906203 - EPA 5030 Soil MS

Matrix Spike Dup (1906203-MSD1)		Source: 1906166-01			Prepared: 06/14/19 Analyzed: 06/21/19					
Benzene	0.100	0.0020	mg/kg	0.100	ND	100	70-130	5.89	30	
Toluene	0.106	0.0050	"	0.100	ND	106	70-130	3.72	30	
Ethylbenzene	0.110	0.0050	"	0.100	ND	110	70-130	5.08	30	
m,p-Xylene	0.220	0.010	"	0.200	ND	110	70-130	1.98	30	
o-Xylene	0.100	0.0050	"	0.100	ND	100	70-130	7.52	30	
Surrogate: 1,2-Dichloroethane-d4	0.0521		"	0.0400		130	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0397		"	0.0400		99.2	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

**Batch 1906204 - EPA 3550A**

**Blank (1906204-BLK1)**

Prepared: 06/14/19 Analyzed: 06/15/19

C10-C28 (DRO) ND 50 mg/kg

**LCS (1906204-BS1)**

Prepared: 06/14/19 Analyzed: 06/15/19

C10-C28 (DRO) 476 50 mg/kg 500 95.2 70-130

**Matrix Spike (1906204-MS1)**

**Source: 1906166-01**

Prepared: 06/14/19 Analyzed: 06/15/19

C10-C28 (DRO) 434 50 mg/kg 500 26.5 81.5 70-130

**Matrix Spike Dup (1906204-MSD1)**

**Source: 1906166-01**

Prepared: 06/14/19 Analyzed: 06/15/19

C10-C28 (DRO) 457 50 mg/kg 500 26.5 86.1 70-130 5.09 20

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Tasman Geosciences  
6899 Pecos St, Unit C  
Denver CO, 80221

Project: Dorothy 1

Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
06/23/19 12:56

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

December 11, 2019

Carter Peace  
Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield, CO 80020  
RE: Dorothy 1

Enclosed are the results of analyses for samples received by Summit Scientific on 12/10/19 16:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**

12/11/19 06:19

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PTA	1912146-01	Soil	12/10/19 00:00	12/10/19 16:00
HT	1912146-02	Soil	12/10/19 00:00	12/10/19 16:00
Wellhead @1'	1912146-03	Soil	12/10/19 00:00	12/10/19 16:00

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

1912146

Page 1 of 1

Project Manager: C. PEARCE  
E-Mail:  
Project Name: DOROTHY I  
Project Number:

www.s2scientific.com

# Sample Receipt Checklist

S2 Work Order 1912146

Client: TASMAN Client Project ID: DOROTHY I

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Temp (°C) 4.3

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

Custodian Printed Name or Initials TG

Signature of Custodian [Signature]

Date/Time 12/10/19 1801



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/11/19 06:19

**PTA**  
**1912146-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	ND	0.0020	mg/kg	1	1912127	12/10/19	12/10/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
C10-C28 (DRO)	ND	50	mg/kg	1	1912128	"	12/10/19	EPA 8015M	

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		90.8 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/11/19 06:19

**HT**  
**1912146-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1912127	12/10/19	12/10/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>760</b>	50	mg/kg	1	1912128	"	12/10/19	EPA 8015M	D-09

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.2 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**  
12/11/19 06:19

**Wellhead @1'**  
**1912146-03 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1912127	12/10/19	12/11/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>4.7</b>	<b>0.50</b>	"	"	"	"	"	"	

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		113 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1912128	"	12/10/19	EPA 8015M	

Date Sampled: **12/10/19 00:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.2 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/11/19 06:19

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1912127 - EPA 5030 Soil MS

##### Blank (1912127-BLK1)

Prepared: 12/10/19 Analyzed: 12/11/19

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0414		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0454		"	0.0400		113	21-167			

##### LCS (1912127-BS1)

Prepared: 12/10/19 Analyzed: 12/11/19

Benzene	0.156	0.0020	mg/kg	0.150		104	70-130			
Toluene	0.127	0.0050	"	0.150		84.6	70-130			
Ethylbenzene	0.139	0.0050	"	0.150		92.6	70-130			
m,p-Xylene	0.243	0.010	"	0.300		81.0	70-130			
o-Xylene	0.129	0.0050	"	0.150		85.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0350		"	0.0400		87.4	23-173			
Surrogate: Toluene-d8	0.0368		"	0.0400		91.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	21-167			

##### Matrix Spike (1912127-MS1)

Source: 1912147-02

Prepared: 12/10/19 Analyzed: 12/11/19

Benzene	0.155	0.0020	mg/kg	0.150	ND	103	70-130			
Toluene	0.132	0.0050	"	0.150	ND	87.8	70-130			
Ethylbenzene	0.152	0.0050	"	0.150	ND	101	70-130			
m,p-Xylene	0.272	0.010	"	0.300	ND	90.6	70-130			
o-Xylene	0.138	0.0050	"	0.150	ND	91.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0347		"	0.0400		86.7	23-173			
Surrogate: Toluene-d8	0.0372		"	0.0400		93.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**

12/11/19 06:19

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1912127 - EPA 5030 Soil MS

Matrix Spike Dup (1912127-MSD1)	Source: 1912147-02			Prepared: 12/10/19 Analyzed: 12/11/19						
Benzene	0.159	0.0020	mg/kg	0.150	ND	106	70-130	2.56	30	
Toluene	0.137	0.0050	"	0.150	ND	91.6	70-130	4.17	30	
Ethylbenzene	0.158	0.0050	"	0.150	ND	105	70-130	3.94	30	
m,p-Xylene	0.284	0.010	"	0.300	ND	94.6	70-130	4.31	30	
o-Xylene	0.144	0.0050	"	0.150	ND	95.9	70-130	4.48	30	
Surrogate: 1,2-Dichloroethane-d4	0.0351		"	0.0400		87.8	23-173			
Surrogate: Toluene-d8	0.0371		"	0.0400		92.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0405		"	0.0400		101	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1

Project Number: [none]

Project Manager: Carter Peace

**Reported:**

12/11/19 06:19

## Extractable Petroleum Hydrocarbons by 8015 - Quality Control

### Summit Scientific

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1912128 - EPA 3550A

##### Blank (1912128-BLK1)

Prepared: 12/10/19 Analyzed: 12/11/19

C10-C28 (DRO) ND 50 mg/kg

##### LCS (1912128-BS1)

Prepared: 12/10/19 Analyzed: 12/11/19

C10-C28 (DRO) 510 50 mg/kg 500 102 70-130

##### Matrix Spike (1912128-MS1)

Source: 1912146-01

Prepared: 12/10/19 Analyzed: 12/11/19

C10-C28 (DRO) 543 50 mg/kg 500 16.6 105 70-130

##### Matrix Spike Dup (1912128-MSD1)

Source: 1912146-01

Prepared: 12/10/19 Analyzed: 12/11/19

C10-C28 (DRO) 554 50 mg/kg 500 16.6 107 70-130 1.87 20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy 1

Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/11/19 06:19

### Notes and Definitions

D-09      Results in the diesel organics range are primarily due to overlap from a heavy oil range product.

DET      Analyte DETECTED

ND      Analyte NOT DETECTED at or above the reporting limit

NR      Not Reported

dry      Sample results reported on a dry weight basis

RPD      Relative Percent Difference

# Summit Scientific

---

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

December 18, 2019

Carter Peace  
Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield, CO 80020  
RE: Dorothy

Enclosed are the results of analyses for samples received by Summit Scientific on 12/17/19 16:52. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', written in a cursive style.

Paul Shrewsbury  
President



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy

Project Number: [none]

Project Manager: Carter Peace

**Reported:**  
12/18/19 06:43

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
HT@4'	1912245-01	Soil	12/17/19 00:00	12/17/19 16:52

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

1912245

Page \_\_\_\_\_ of \_\_\_\_\_

Project Manager: C. Pearce  
E-Mail: cpearce@tasman-geo.com  
Project Name: DOROTHY  
Project Number:

www.s2scientific.com

# Sample Receipt Checklist

S2 Work Order 1912245

Client: TASMAN

Client Project ID: DOROTHY

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: \_\_\_\_\_

☐ ☒ ☐ ☐ ☐

Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: \_\_\_\_\_  
(Describe)

Temp (°C)	4.3
-----------	-----

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

RZ

Custodian Printed Name or Initials

*RZ*

Signature of Custodian

12/17/19

Date/Time



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/18/19 06:43

**HT@4'**  
**1912245-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **12/17/19 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1912233	12/17/19	12/17/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>0.53</b>	0.50	"	"	"	"	"	"	

Date Sampled: **12/17/19 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **12/17/19 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1912234	12/17/19	12/17/19	EPA 8015M	

Date Sampled: **12/17/19 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		86.4 %	30-150		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/18/19 06:43

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1912233 - EPA 5030 Soil MS

##### Blank (1912233-BLK1)

Prepared: 12/17/19 Analyzed: 12/18/19

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0412		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	21-167			

##### LCS (1912233-BS1)

Prepared: 12/17/19 Analyzed: 12/18/19

Benzene	0.0741	0.0020	mg/kg	0.100		74.1	70-130			
Toluene	0.0831	0.0050	"	0.100		83.1	70-130			
Ethylbenzene	0.0796	0.0050	"	0.100		79.6	70-130			
m,p-Xylene	0.161	0.010	"	0.200		80.5	70-130			
o-Xylene	0.0791	0.0050	"	0.100		79.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0396		"	0.0400		99.1	23-173			
Surrogate: Toluene-d8	0.0390		"	0.0400		97.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	21-167			

##### Matrix Spike (1912233-MS1)

Source: 1912245-01

Prepared: 12/17/19 Analyzed: 12/18/19

Benzene	0.0763	0.0020	mg/kg	0.100	ND	76.3	70-130			
Toluene	0.0850	0.0050	"	0.100	ND	85.0	70-130			
Ethylbenzene	0.0816	0.0050	"	0.100	ND	81.6	70-130			
m,p-Xylene	0.163	0.010	"	0.200	ND	81.6	70-130			
o-Xylene	0.0805	0.0050	"	0.100	ND	80.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		104	21-167			

Summit Scientific

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Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy

Project Number: [none]

Project Manager: Carter Peace

**Reported:**

12/18/19 06:43

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

Analyte	Reporting			Spike	Source	%REC			RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 1912233 - EPA 5030 Soil MS

##### Matrix Spike Dup (1912233-MSD1)

Source: 1912245-01

Prepared: 12/17/19 Analyzed: 12/18/19

Benzene	0.0752	0.0020	mg/kg	0.100	ND	75.2	70-130	1.43	30	
Toluene	0.0809	0.0050	"	0.100	ND	80.9	70-130	4.88	30	
Ethylbenzene	0.0795	0.0050	"	0.100	ND	79.5	70-130	2.53	30	
m,p-Xylene	0.158	0.010	"	0.200	ND	79.0	70-130	3.29	30	
o-Xylene	0.0776	0.0050	"	0.100	ND	77.6	70-130	3.64	30	
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0396		"	0.0400		99.0	21-167			

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy  
Project Number: [none]  
Project Manager: Carter Peace

**Reported:**  
12/18/19 06:43

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD	
		Limit	Units		Result	%REC	Limits	RPD	Limit	Notes

**Batch 1912234 - EPA 3550A**

**Blank (1912234-BLK1)**

Prepared: 12/17/19 Analyzed: 12/18/19

C10-C28 (DRO) ND 50 mg/kg

**LCS (1912234-BS1)**

Prepared: 12/17/19 Analyzed: 12/18/19

C10-C28 (DRO) 506 50 mg/kg 500 101 70-130

**Matrix Spike (1912234-MS1)**

**Source: 1912247-02**

Prepared: 12/17/19 Analyzed: 12/18/19

C10-C28 (DRO) 518 50 mg/kg 500 ND 104 70-130

**Matrix Spike Dup (1912234-MSD1)**

**Source: 1912247-02**

Prepared: 12/17/19 Analyzed: 12/18/19

C10-C28 (DRO) 521 50 mg/kg 500 ND 104 70-130 0.608 20

Summit Scientific

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Tasman Geosciences  
6855 W. 119th Ave.  
Broomfield CO, 80020

Project: Dorothy

Project Number: [none]

Project Manager: Carter Peace

**Reported:**

12/18/19 06:43

### Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

## **Attachment B**



Requested Facility: North Weld Landfill ☐ Unsure Profile Number: 129816CO  
☐ Multiple Generator Locations (Attach Locations) ☐ Request Certificate of Disposal ☐ Renewal? Original Profile Number: \_\_\_\_\_

**A. GENERATOR INFORMATION (MATERIAL ORIGIN)**

- Generator Name: Tindall Operating Company
- Site Address: Dorothy #1 NWNE Sec 7 7N 58W  
(City, State, ZIP) New Raymer CO 80742
- County: Weld
- Contact Name: Charlie Davis
- Email: \_\_\_\_\_
- Phone: (303) 475-5091 7. Fax: \_\_\_\_\_
- Generator EPA ID: \_\_\_\_\_ ☒ N/A
- State ID: \_\_\_\_\_ ☒ N/A

**C. MATERIAL INFORMATION**

- 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. The oil is then sent to the production tanks and the water is sent to the skim pit. Contaminated soil is from the excavation of the skim
- 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%
- State Waste Codes: \_\_\_\_\_ ☒ N/A
- Color: brown
- Physical State at 70°F: ☒ Solid ☐ Liquid ☐ Other: \_\_\_\_\_
- Free Liquid Range Percentage: \_\_\_\_\_ to \_\_\_\_\_ ☒ N/A
- pH: \_\_\_\_\_ to \_\_\_\_\_ ☒ N/A
- Strong Odor: ☐ Yes ☒ No Describe: \_\_\_\_\_
- Flash Point: ☐ <140°F ☐ 140°–199°F ☒ ≥200° ☒ N/A

**E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION**

- Analytical attached ☐ Yes  
Please identify applicable samples and/or lab reports:
- Other information attached (such as MSDS)? ☐ Yes

**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: 07/25/2019  
Title: Operator  
Company: D.C. Dozer Service

**B. BILLING INFORMATION**☐ SAME AS GENERATOR

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

**D. REGULATORY INFORMATION**

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

**F. SHIPPING AND DOT INFORMATION**

- ☒ One-Time Event ☐ Repeat Event/Ongoing Business
- Estimated Quantity/Unit of Measure: 500  
☐ Tons ☒ Yards ☐ Drums ☐ Gallons ☐ Other: \_\_\_\_\_
- Container Type and Size: 20 yard belly dumps
- USDOT Proper Shipping Name: \_\_\_\_\_ ☒ N/A

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™.**

## 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: \_\_\_\_\_

# GENERATOR'S EZ PROFILE™ ADDENDUM

## COLORADO EXPLORATION AND PRODUCTION WASTES

Profile Number: 129816CO

Generator Name: Tindall Operating Company

Date: 7/25/19

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: 129816CO

### 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)? <ul style="list-style-type: none"> <li>➤ If 'NO', sign and certify below. No further action needed.</li> <li>➤ If 'YES', complete questions 3 through 5 and provide copies of required analytical.</li> </ul>		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?? <ul style="list-style-type: none"> <li>➤ 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.</li> <li>➤ If 'YES', proceed to question 4.</li> </ul>		
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)? <ul style="list-style-type: none"> <li>➤ If 'NO', please skip to Question 5.</li> <li>➤ 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.  <ul style="list-style-type: none"> <li>➤ 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.</li> </ul> </li> </ul>		
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. <ul style="list-style-type: none"> <li>➤ 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.</li> </ul>		

**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: 7/25/19

PRINT NAME, TITLE: \_\_\_\_\_

Todd Troutman, Representative

<b>NON-HAZARDOUS WASTE MANIFEST</b>		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;">501317</div>	
		5. Generator's Name and Mailing Address <div style="text-align: center;">TINDALL OPERATING COMPANY 1405 FILLMORE ST C/O DC DOZER STERLING CO 80761 (303) 475-5081</div>		Generator's Project Address (if different than mailing address) <div style="text-align: center;">TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742</div>					
Generator's Phone:		6. Transporter 1: Complete Company Name and Address <div style="text-align: center;">301-533-1011 Mel 80741</div>						Transporter Phone 970 571 3052	
		7. Transporter 2: Complete Company Name and Address						Transporter Phone	
8. Designated Disposal Facility Name and Site Address <div style="text-align: center;">NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610 (970) 545-5045</div>		Facility's Phone:							
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 CRIMP PIT) <div style="text-align: right;">12861600</div>				2992					
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: DC 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;">Tedd Tindall</div>		Signature <div style="text-align: center;">[Signature]</div>		Month		Day		Year <div style="text-align: center;">9/19</div>	
16. Transporter Acknowledgement of Receipt of Materials		Signature		Month		Day		Year	
Transporter 1 Printed/Typed Name <div style="text-align: center;">Lamar</div>		Signature <div style="text-align: center;">[Signature]</div>		Month		Day		Year <div style="text-align: center;">9/19</div>	
Transporter 2 Printed/Typed Name		Signature		Month		Day		Year	
17. Special Handling Instructions									
18. Discrepancy Indication Space:		19. Ticket #							
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 <div style="text-align: center;">[Signature]</div>		Signature <div style="text-align: center;">[Signature]</div>		Month		Day		Year <div style="text-align: center;">9/17/19</div>	


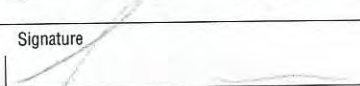

<b>GENERATOR</b>	<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number <div style="text-align: center;">N/A</div>	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number <div style="text-align: center; font-size: 1.2em;">501316</div>	
	5. Generator's Name and Mailing Address <div style="font-size: 0.8em;">TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER SILVERING CO 80751</div>		Generator's Project Address (if different than mailing address) <div style="font-size: 0.8em;">TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 68W NEW RAYMER CO 80742</div>			
	Generator's Phone: <div style="text-align: center;">(303) 475-5091</div>		Transporter Phone <div style="text-align: center;">970 571 852</div>			
	6. Transporter 1: Complete Company Name and Address <div style="font-size: 0.8em;">TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER SILVERING CO 80751</div>		Transporter Phone <div style="text-align: center;">970 571 852</div>			
	7. Transporter 2: Complete Company Name and Address		Transporter Phone			
<b>DESIGNATED FACILITY</b>	8. Designated Disposal Facility Name and Site Address <div style="font-size: 0.8em;">NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</div>		Facility's Phone: <div style="text-align: center;">(970) 545-5015</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;">12981600</div>					
	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; font-size: 0.8em;">Customer Acct #: N 10388 Customer Name: DC 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="font-size: 0.8em;">Red Tindall</div>		Signature <div style="font-size: 0.8em;">[Signature]</div>		Month Day Year <div style="text-align: center;">7 8 17</div>		
<b>TRANSPORTER</b>	16. Transporter Acknowledgement of Receipt of Materials		Signature		Month Day Year	
	Transporter 1 Printed/Typed Name <div style="font-size: 0.8em;">[Signature]</div>		Signature		Month Day Year <div style="text-align: center;">9 16 19</div>	
	Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Special Handling Instructions						
18. Discrepancy Indication Space:					19. Ticket #	
Initials of Person noting discrepancy _____ Signature _____					Date _____	
20. Management Method/Location <div style="font-size: 0.8em;">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="font-size: 0.8em;">[Signature]</div>		Signature <div style="font-size: 0.8em;">[Signature]</div>		Month Day Year <div style="text-align: center;">9 16 19</div>		


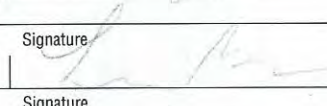
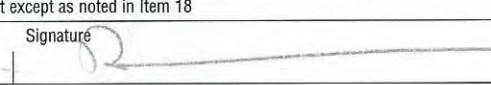
GENERATOR

TRANSPORTER


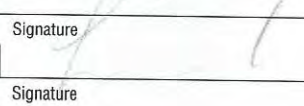
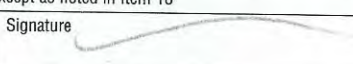
DESIGNATED FACILITY


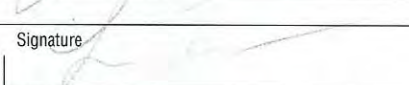
**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number <b>N / A</b>		2. Page 1 of 1		3. Emergency Response Phone <b>800-424-9300</b>		4. Waste Tracking Number <b>501315</b>	
5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>				Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742</b>			
Generator's Phone: <b>(303) 475-5091</b>				Transporter Phone <b>970 571365</b>			
6. Transporter 1: Complete Company Name and Address <b>JONES 333 Park Ave Merino Co 80741</b>				Transporter Phone			
7. Transporter 2: Complete Company Name and Address				Transporter Phone			
8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</b>						Facility's Phone: <b>(070) 545-5015</b>	
9. Waste Shipping Name, Description, & Profile Number				10. Containers		11. Total Quantity	12. Unit Wt./Vol.
				No. Type			
1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT)</b> <b>12851600</b>						<b>2826</b>	
2.							
13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>					Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>		
14. Bill to & Account Number:  <b>Customer Acct #: N 10368 Customer Name: DC DOZER SERVICE</b>							
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/Offorer's Printed/Typed Name <b>Todd Troutman</b>				Signature 		Month Day Year <b>9 8 19</b>	
16. Transporter Acknowledgement of Receipt of Materials				Signature		Month Day Year	
Transporter 1 Printed/Typed Name <b>Leonard</b>						<b>9 16 19</b>	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
17. Special Handling Instructions							
18. Discrepancy Indication Space:						19. Ticket #	
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 <b>12</b>				Signature 		Month Day Year <b>9 16 19</b>	

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>N / A</b>	2. Page 1 of 1	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>501314</b>	
5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>			Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NFW RAYMER CO 80742</b>			
Generator's Phone: <b>(303) 475-5081</b>			Transporter Phone <b>970 591 3052</b>			
6. Transporter 1: Complete Company Name and Address <b>James 873 Park Ave Merino CO 80741</b>			Transporter Phone <b>970 591 3052</b>			
7. Transporter 2: Complete Company Name and Address			Transporter Phone			
8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</b>			Facility's Phone: <b>(970) 545-5015</b>			
9. Waste Shipping Name, Description, & Profile Number			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIN PIT)</b> <b>12661600</b>						
2.						
13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>			Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>			
14. Bill to & Account Number:  <b>Customer Acct #: N 10366 Customer Name: DC DOZER SERVICE</b>						
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 <b>Todd Troutman</b>			Signature 		Month <b>7</b>	Day <b>8</b>
					Year <b>19</b>	
16. Transporter Acknowledgement of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Leond Jones</b>			Signature 		Month <b>9</b>	Day <b>15</b>
					Year <b>19</b>	
Transporter 2 Printed/Typed Name			Signature		Month	Day
17. Special Handling Instructions						
18. Discrepancy Indication Space:					19. Ticket #	
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 <b>[Signature]</b>			Signature 		Month <b>9</b>	Day <b>14</b>
					Year <b>19</b>	

1770614

GENERATOR	<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>N/A</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>501313</b>		
	5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>				Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NFW RAYMER CO 80742</b>			
	Generator's Phone: <b>(303) 475-5081</b>							
	6. Transporter 1: Complete Company Name and Address <b>20144 333 Park Ave Moreno Co 90741</b>				Transporter Phone <b>9705713652</b>			
	7. Transporter 2: Complete Company Name and Address				Transporter Phone			
TRANSPORTER	8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80010</b>				Facility's Phone: <b>(970) 545-5015</b>			
	9. Waste Shipping Name, Description, & Profile Number				10. Containers		11. Total Quantity	12. Unit Wt./Vol.
					No.	Type		
	1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT)</b> <b>12981600</b>						<b>28</b>	<b>88</b>
	2.							
DESIGNATED FACILITY	13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>				Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>			
	14. Bill to & Account Number: <b>Customer Acct #: N 10366 Customer Name: DC DOZER SERVICE</b>							
	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 <b>Ted Treutman</b>				Signature 		Month Day Year <b>7 8 19</b>	
	16. Transporter Acknowledgement of Receipt of Materials				Signature 		Month Day Year <b>9 13 19</b>	
Transporter 1 Printed/Typed Name <b>Leand</b>				Signature		Month Day Year		
Transporter 2 Printed/Typed Name				Signature		Month Day Year		
17. Special Handling Instructions								
18. Discrepancy Indication Space:						19. Ticket # <b>1870297</b>		
Initials of Person noting discrepancy				Signature		Date		
20. Management Method/Location <b>Landfill Monofill Location:</b>								
21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18								
Printed/Typed Name <b>Ted Treutman</b>				Signature 		Month Day Year <b>7 13 19</b>		



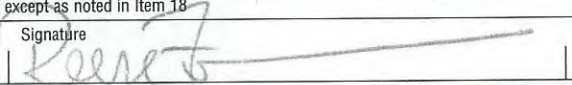
GENERATOR	<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>N / A</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>501312</b>		
	5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>				Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NFW RAYMER CO 80742</b>			
	Generator's Phone: <b>(303) 475-5091</b>							
	6. Transporter 1: Complete Company Name and Address <b>223 Pak/116 M 24110 CO 80711</b>				Transporter Phone <b>970 571 3652</b>			
	7. Transporter 2: Complete Company Name and Address				Transporter Phone			
TRANSPORTER	8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80810</b>				Facility's Phone: <b>(970) 545-5015</b>			
	9. Waste Shipping Name, Description, & Profile Number <b>1. NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT) 12861600</b>				10. Containers		11. Total Quantity <b>29.88</b>	12. Unit Wt./Vol.
					No.	Type		
	13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>				Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>			
	14. Bill to & Account Number: <b>Customer Acct #: N 10368 Customer Name: DC DOZER SERVICE</b>							
DESIGNATED FACILITY	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 <b>Todd Troutman</b>				Signature 		Month Day Year <b>9 8 19</b>	
	16. Transporter Acknowledgement of Receipt of Materials							
	Transporter 1 Printed/Typed Name <b>Leonard Tonce</b>				Signature 		Month Day Year <b>9 13 19</b>	
	Transporter 2 Printed/Typed Name				Signature		Month Day Year	
17. Special Handling Instructions								
18. Discrepancy Indication Space:						19. Ticket # <b>18070191</b>		
Initials of Person noting discrepancy _____				Signature _____		Date _____		
20. Management Method/Location <b>Landfill _____ Monofill _____ Location: _____</b>								
21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18 Printed/Typed Name _____ Signature _____ Month Day Year <b>9 13 19</b>								

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number N/A	2. Page 1 of 1	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number 501311		
5. Generator's Name and Mailing Address TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80761 Generator's Phone: (303) 475-5181				Generator's Project Address (if different than mailing address) TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742			
6. Transporter 1: Complete Company Name and Address TERRS 2333 Rock Hill Rd Sterling CO 80741				Transporter Phone 303-711-0000			
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 80510 (970) 545-5045				Facility's Phone:			
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 SKIN PIT) 12381800							
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: DC 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		Signature			Month	Day Year	
Terry - Urban		[Signature]			7	11 15	
16. Transporter Acknowledgement of Receipt of Materials							
Transporter 1 Printed/Typed Name		Signature			Month	Day Year	
Terry - Urban		[Signature]			7	11 15	
Transporter 2 Printed/Typed Name		Signature			Month	Day Year	
17. Special Handling Instructions							
18. Discrepancy Indication Space:					19. Ticket #		
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		Signature			Month	Day Year	
Kevin Freeman		[Signature]			9	11 19	


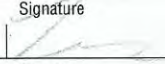
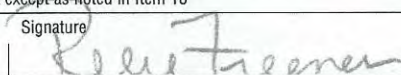
<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <div style="text-align: center;">N / A</div>		2. Page 1 of 1		3. Emergency Response Phone 800-424-9300		4. Waste Tracking Number <div style="text-align: center; font-size: 1.2em;">501310</div>			
		5. Generator's Name and Mailing Address <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">           TINDALL OPERATING COMPANY            1403 FILLMORE ST C/O DC DOZER            STERLING CO 80751            Generator's Phone: (303) 475-5091         </div> <div style="width: 45%;">           Generator's Project Address (if different than mailing address)            TINDALL OPERATING COMPANY            DOROTHY #1 NENW SEC 7 7N 58W            NEW RAYMER CO 80742         </div> </div>									
GENERATOR		6. Transporter 1: Complete Company Name and Address Jones 333 Park Ave Morino CO 80741						Transporter Phone 970 571 3652			
		7. Transporter 2: Complete Company Name and Address						Transporter Phone			
DESIGNATED FACILITY		8. Designated Disposal Facility Name and Site Address NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80510						Facility's Phone: (970) 545-5015			
		9. Waste Shipping Name, Description, & Profile Number						10. Containers			
								11. Total Quantity			
								12. Unit Wt./Vol.			
		1. NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT) 12981600									
		2.									
TRANSPORTER		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 10386 Customer Name: DC DOZER SERVICE									
DESIGNATED FACILITY		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 9 8 19	
TRANSPORTER		16. Transporter Acknowledgement of Receipt of Materials									
		Transporter 1 Printed/Typed Name Leonard Jones						Signature 		Month Day Year 9 11 19	
DESIGNATED FACILITY		Transporter 2 Printed/Typed Name						Signature		Month Day Year	
DESIGNATED FACILITY		17. Special Handling Instructions									
		18. Discrepancy Indication Space:						19. Ticket #			
DESIGNATED FACILITY		Initials of Person noting discrepancy _____ Signature _____						Date _____			
		20. Management Method/Location  Landfill _____ Monofill _____ Location: _____									
DESIGNATED FACILITY		21. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 18									
		Printed/Typed Name Reese Freeman						Signature 		Month Day Year 9 11 19	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

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<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number N/A	2. Page 1 of 4	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number <b>501309</b>	
5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1405 FILLMORE ST C/O DC DOZER STERLING CO 80761</b>			Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742</b>			
Generator's Phone: <b>(303) 475-5081</b>						
6. Transporter 1: Complete Company Name and Address <b>James 333 Park Ave Merino CO 80741</b>					Transporter Phone <b>70571-3652</b>	
7. Transporter 2: Complete Company Name and Address					Transporter Phone	
8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</b>					Facility's Phone: <b>(070) 545-5015</b>	
9. Waste Shipping Name, Description, & Profile Number			10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT)</b> <b>12961600</b>					<b>30.00</b>	
2.						
13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>				Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>		
14. Bill to & Account Number: <b>Customer Acct #: N 10366 Customer Name: DC DOZER SERVICE</b>						
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 <b>Todd Troutman</b>			Signature 		Month Day Year <b>9 8 19</b>	
16. Transporter Acknowledgement of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Leonard Jones</b>			Signature 		Month Day Year <b>9 11 19</b>	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Special Handling Instructions						
18. Discrepancy Indication Space:					19. Ticket #	
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 <b>Reese Freeman</b>			Signature 		Month Day Year <b>9 11 19</b>	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

NON-HAZARDOUS  
WASTE MANIFEST

1. Generator ID Number

N / A

2. Page 1 of

3. Emergency Response Phone

800-424-9300

4. Waste Tracking Number

501308

5. Generator's Name and Mailing Address

TINDALL OPERATING COMPANY  
1453 FILLMORE ST C/O DC DOZER  
STERLING CO 80751

Generator's Project Address (if different than mailing address)

TINDALL OPERATING COMPANY  
DOROTHY #1 NENW SEC 7 7N 58W  
NFW RAYMER CO 80747

Generator's Phone:

(303) 475-5091

Transporter Phone

6. Transporter 1: Complete Company Name and Address

Transporter Phone

7. Transporter 2: Complete Company Name and Address

Facility's Phone:

8. Designated Disposal Facility Name and Site Address

NORTH WELD LANDFILL  
40000 WELD COUNTY ROAD 25  
AULT CO 80810

(970) 545-5015

9. Waste Shipping Name, Description, &amp; Profile Number

10. Containers

No.

Type

11. Total  
Quantity12. Unit  
Wt./Vol.1. NON REGULATED SOLID  
(CONTAMINATED SOIL FROM EXHAUST)

12881600

305

2.

13. Regulatory Agency: Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, CO 80222-1530Emergency Notification:  
CHEMTREC (800) 424-9300  
24-hour Toll Free Number

14. Bill to &amp; Account Number:

Customer Acct #: N 10388 Customer Name: DC 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

Signature

Month Day Year

Todd Troutman

Signature

Month Day Year

Transporter 1 Printed/Typed Name

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Special Handling Instructions

18. Discrepancy Indication Space:

19. Ticket #

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

Signature

Month Day Year

Roose Freeman

Roose Freeman

9 10 19

<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number N/A	2. Page 1 of	3. Emergency Response Phone 800-424-9300	4. Waste Tracking Number 501307		
5. Generator's Name and Mailing Address TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751 Generator's Phone: (303) 475-5001		Generator's Project Address (if different than mailing address) TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742					
6. Transporter 1: Complete Company Name and Address 20705 333 Park Ave Merino 80741		Transporter Phone 970 571 3652					
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 (970) 545 5015		Facility's Phone:					
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) 12381600				3000			
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 10388 Customer Name: DC 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 Freeman		Signature [Signature]			Month 9	Day 8	Year 19
16. Transporter Acknowledgement of Receipt of Materials							
Transporter 1 Printed/Typed Name Leonard [Signature]		Signature [Signature]			Month 9	Day 10	Year 19
Transporter 2 Printed/Typed Name		Signature			Month	Day	Year
17. Special Handling Instructions							
18. Discrepancy Indication Space:					19. Ticket #		
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 _____ Signature _____ Keene Freeman [Signature] 9/10/19							



**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number

N / A

2. Page 1 of

3. Emergency Response Phone

800-424-9300

4. Waste Tracking Number

501318

5. Generator's Name and Mailing Address

TINDALL OPERATING COMPANY  
1403 FILLMORE ST C/O DC DOZER  
STERLING CO 80751

Generator's Project Address (if different than mailing address)

TINDALL OPERATING COMPANY  
DOROTHY #1 NENW SEC 7 7N 58W  
NEW RAYMER CO 80742

Generator's Phone:

(303) 475-5101

6. Transporter 1: Complete Company Name and Address

Jones 333 Parker Merit CO

Transporter Phone

(703) 571-3652

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) 545-5015

9. Waste Shipping Name, Description, &amp; Profile Number

1.

NON REGULATED SOLID  
(CONTAMINATED SOIL FROM SKIM PIT)

12351600

10. Containers

No.

Type

11. Total  
Quantity12. Unit  
Wt./Vol.

26.44

13. Regulatory Agency: Colorado Department of Public Health and Environment  
4300 Cherry Creek Drive South  
Denver, Co 80222-1530Emergency Notification:  
CHEMTREC (800) 424-9300  
24-hour Toll Free Number

14. Bill to &amp; Account Number:

Customer Acct #: N 10368 Customer Name: DC 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

Signature

Month Day Year

Todd T. T. T.

[Signature]

12 8 19

16. Transporter Acknowledgement of Receipt of Materials

Transporter 1 Printed/Typed Name

Signature

Month Day Year

Leonard Jones

[Signature]

12 10 19

Transporter 2 Printed/Typed Name

Signature

Month Day Year

17. Special Handling Instructions

18. Discrepancy Indication Space:

19. Ticket #

1895028

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

Signature

Month Day Year

12 10 19




<b>NON-HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>N/A</b>	2. Page 1 of	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>501319</b>
5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>			Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 58W NEW RAYMER CO 80742</b>		
Generator's Phone: <b>(303) 475-5091</b>					
6. Transporter 1: Complete Company Name and Address <b>ones 333 Park Ave Mer 10 CO 80741</b>				Transporter Phone <b>970 591 3052</b>	
7. Transporter 2: Complete Company Name and Address				Transporter Phone	
8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 40000 WELD COUNTY ROAD 25 AULT CO 80610</b>			Facility's Phone: <b>(970) 545-5015</b>		
9. Waste Shipping Name, Description, & Profile Number			10. Containers		11. Total Quantity
			No.	Type	
1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIM PIT)</b> <b>12981600</b>					<b>29.57</b>
2.					
13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>			Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>		
14. Bill to & Account Number: <b>Customer Acct #: N 10366 Customer Name: DC DOZER SERVICE</b>					
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/Offoror's Printed/Typed Name <b>Todd Tindall</b>		Signature 		Month Day Year <b>12 8 19</b>	
16. Transporter Acknowledgement of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Lorinda Lopez</b>		Signature 		Month Day Year <b>12 10 19</b>	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Special Handling Instructions					
18. Discrepancy Indication Space:					19. Ticket # <b>165138</b>
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 <b>[Signature]</b>		Signature 		Month Day Year <b>12 10 19</b>	

GENERATOR

TRANSPORTER

DESIGNATED FACILITY

**NON-HAZARDOUS  
WASTE MANIFEST**

1. Generator ID Number <b>N / A</b>		2. Page 1 of	3. Emergency Response Phone <b>800-424-9300</b>	4. Waste Tracking Number <b>501320</b>	
5. Generator's Name and Mailing Address <b>TINDALL OPERATING COMPANY 1403 FILLMORE ST C/O DC DOZER STERLING CO 80751</b>			Generator's Project Address (if different than mailing address) <b>TINDALL OPERATING COMPANY DOROTHY #1 NENW SEC 7 7N 68W NFW RAYMER CO 80742</b>		
Generator's Phone: <b>(303) 475-5081</b>			Transporter Phone <b>9705713650</b>		
6. Transporter 1: Complete Company Name and Address <b>Tones 233 Park Ave. Meriden Co 80741</b>			Transporter Phone <b>9705713650</b>		
7. Transporter 2: Complete Company Name and Address			Transporter Phone		
8. Designated Disposal Facility Name and Site Address <b>NORTH WELD LANDFILL 4000 WELD COUNTY ROAD 25 AULT CO 80610</b>			Facility's Phone: <b>(970) 545-5015</b>		
9. Waste Shipping Name, Description, & Profile Number		10. Containers		11. Total Quantity	12. Unit Wt./Vol.
		No.	Type		
1. <b>NON REGULATED SOLID (CONTAMINATED SOIL FROM SKIN PIT)</b> <b>12951600</b>			<b>28.067</b>		
2.					
13. Regulatory Agency: <b>Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Co 80222-1530</b>			Emergency Notification: <b>CHEMTREC (800) 424-9300 24-hour Toll Free Number</b>		
14. Bill to & Account Number: <b>Customer Acct #: N 10366 Customer Name: DC DOZER SERVICE</b>					
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/Offoror's Printed/Typed Name <b>Todd Troutman</b>		Signature 		Month Day Year <b>12 8 19</b>	
16. Transporter Acknowledgement of Receipt of Materials					
Transporter 1 Printed/Typed Name <b>Leann Tones</b>		Signature 		Month Day Year <b>12 10 19</b>	
Transporter 2 Printed/Typed Name		Signature		Month Day Year	
17. Special Handling Instructions					
18. Discrepancy Indication Space:				19. Ticket # <b>1895430</b>	
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		Signature 		Month Day Year <b>12 14 19</b>	