2RF-106 - Tiger Recycling Facility ID [fAB1619053403] C-147/Closure

[228937] MATADOR PRODUCTION COMPANY

11/02/2022

State of New Mexico
Energy Minerals and Natural Resources
Department Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505
https://www.emnrd.nm.gov/ocd/ocd-e-permitting/

Form C-147
Revised October 11, 2022

Recycling Facility and/or Recycling Containment

Type of Facility: ☒ Recycling Facility ☒ Recycling Containment*

Type of action: ☐ Permit ☐ Registration ☐ Modification ☐ Extension ☒ Closure ☐ Other (explain) _____

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

Be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.
Operator: Matador Production Company (For multiple operators attach page with information) OGRID #: 228937
Address: 5400 LBJ Fwy One Lincoln Center Dallas, TX. 75240
Facility or well name (include API# if associated with a well): Tiger Recycling Facility
OCD Permit Number: 2RF-106 (For new facilities the permit number will be assigned by the district office)
U/L or Qtr/Qtr _____ Section 14 Township 24S Range 28E County: Eddy
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.
☐ **Recycling Facility:**
Location of recycling facility (if applicable): Latitude 32.211082 Longitude -104.052335 NAD83 1983
Proposed Use: ☒ Drilling* ☒ Completion* ☒ Production* ☒ Plugging *
The re-use of produced water may NOT be used until fresh water zones are cased and cemented
☐ Other, ***requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.***
☒ Fluid Storage
☒ Above ground tanks ☐ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type _____
☐ Activity permitted under 19.15.36 NMAC explain type: _____ ☐ Other explain _____
☐ For multiple or additional recycling containments, attach design and location information of each containment
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: _____

3.
☒ **Recycling Containment:** Five ASTs
☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)
Center of Recycling Containment (if applicable): Latitude 32.211082 Longitude -104.052335 NAD83 1983
☒ For multiple or additional recycling containments, attach design and location information of each containment
☒ Lined ☒ Liner type: Thickness 2x30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☒ String-Reinforced
Liner Seams: ☐ Welded ☒ Factory ☐ Other _____ Volume: 41,000 bbl Dimensions: L 161 Ft Diameter x W _____ x D 12 Ft height
☒ Recycling Containment Closure Completion Date: 11/1/2022

4.

Bonding:

☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC **(These containments are limited to only the wells owned or operated by the owners of the containment.)**

☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond $_____ **(work on these facilities cannot commence until bonding amounts are approved)**

☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

6.

Signs:

☒ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting FROM 2016 APPROVAL	
Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☒ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; written approval obtained from the municipality	☐ Yes ☒ No ☐ NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals Division	☐ Yes ☒ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; topographic map	☐ Yes ☒ No
Within a 100-year floodplain. FEMA map	☐ Yes ☒ No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; aerial photo; satellite image	☐ Yes ☒ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; topographic map; visual inspection (certification) of the proposed site	☐ Yes ☒ No

9.
Recycling Facility and/or Containment Checklist:
Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☐ Design Plan - based upon the appropriate requirements.
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☐ Closure Plan - based upon the appropriate requirements.
- ☐ Site Specific Groundwater Data -
- ☐ Siting Criteria Compliance Demonstrations –
- ☐ **Certify that notice of the C-147 (only) has been sent to the surface owner(s)**

N/A - Closure Documentation + Lab Reports attached.

10.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): Cliff Humphreys Title: SVP - Completions
Signature: Cliff H Date: 11/1/2022
e-mail address: CHUMPHREYS@MATADORRESOURCES.COM Telephone: 972-371-5288

11.
OCD Representative Signature: Victoria Venegas **Approval Date:** 11/02/2022
Title: Environmental Specialist **OCD Permit Number:** 2RF-106

- ☐ OCD Conditions
- ☐ Additional OCD Conditions on Attachment

October 20, 2022 Vertex Project #: 22E-02197

Reclamation Report: Tiger Recycling Facility/Containment (Section 14, Township 24 South, Range 28 East)
County: Eddy

Prepared For: **Matador Production Company**
5400 LBJ Freeway Suite 1500
Dallas, Texas 75240

New Mexico Oil Conservation Division - District 2 - Eddy
811 South 1st Street
Artesia, New Mexico 88210

Matador Production Company (Matador) retained Vertex Resource Services Inc. (Vertex) to conduct an Assessment for the reclamation of potential contamination Tiger Recycling Facility (hereafter referred to as "Tiger"). This letter provides a description of the Reclamation Assessment and includes a request for Closure. The spill area is located at N 32.21123, W -104.05314.

Background

The site is located approximately 1.44 miles southeast of Malaga, New Mexico. The legal location for the site is Section 14, Township 24 South and Range 28 East in Eddy County, New Mexico. The facility area is located on private property. An aerial photograph and site schematic are included in Attachment 1.

The Geological Map of New Mexico (New Mexico Bureau of Geology and Mineral Resources, 2014 – 2017) indicates the site's surface geology is comprised primarily of Qoa – Older alluvial deposits of upland plains and piedmont area, and calcic soils and eolian cover sediments of High Plains region. Predominant soil texture on the site is Gypsum land-Cottonwood complex and Reeves loam. Gypsum land is characterized by a shallow layer of loam over bedrock and tends to be well drained with low run off and very low available moisture levels in the soil profile (United States Department of Agriculture, 2022). Reeves loam is characterized by a layer of loam over gypferious material and tends to be well drained with very high runoff and low water storage in the soil profile.

There is no surface water located on-site. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 of the New Mexico Administrative Code (NMAC), is the Black River, located approximately one mile northeast of the site (United States Fish and Wildlife Service, 2022). There are no continuous flowing watercourses, lakebeds, sinkholes, playa lakes, or other critical water or community features at Tiger, as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Reclamation Description

Reclamation efforts began at Tiger on June 29, 2022. Field screening was utilized as guidance from June 29, 2022 to July 7, 2022 using Vertex nomenclature to meet the agreed upon criteria in the workplan submitted to New Mexico Oil Conservation District (NMOCD) which can be seen below in Table 1 per the written work plan submitted by R.T. Hicks

Consultants, LTD for Matador. Field screening was completed on multiple sample points using Vertex nomenclature and consisted of analysis using a photo ionization detector (volatile hydrocarbons), Dexsil petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and Titration (chlorides). Field screening results were used to identify areas requiring further remediation from those areas showing concentrations below determined closure criteria levels. A total of 25 samples were collected on July 7, 2022 and field screened. The highest field screens collected on were submitted to Hall Environmental Analysis Laboratory under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), total petroleum hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and total chlorides (EPA Method 300.0). These samples were renamed with the nomenclature provided within the work plan by R.T. Hicks Consultants, LTD. Field screening and laboratory analysis are included in Table 2, Attachment 2. The daily field reports (DFRs) and site photographs are included in Attachment 3. The correspondence of approval per NMOCD is included in Attachment 4.

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release

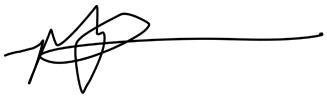
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
< 50 feet	Chloride - Horizontal	600 mg/kg
	Chloride - Vertical	250 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids, TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics, BTEX – benzene, toluene, ethylbenzene and xylenes

Closure Request

The area was fully excavated and backfilled with local soils and reclaimed to meet reclamation standards. Confirmatory samples were analyzed by the laboratory and found to be below allowable concentrations as per the NMAC Closure Criteria for Soils Impacted by a Release locations “under 50 feet to groundwater”. Based on these findings, Matador requests that this site be closed.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.



Monica Peppin, A.S.
PROJECT MANAGER, REPORTING

October 20, 2022
Date

Attachments

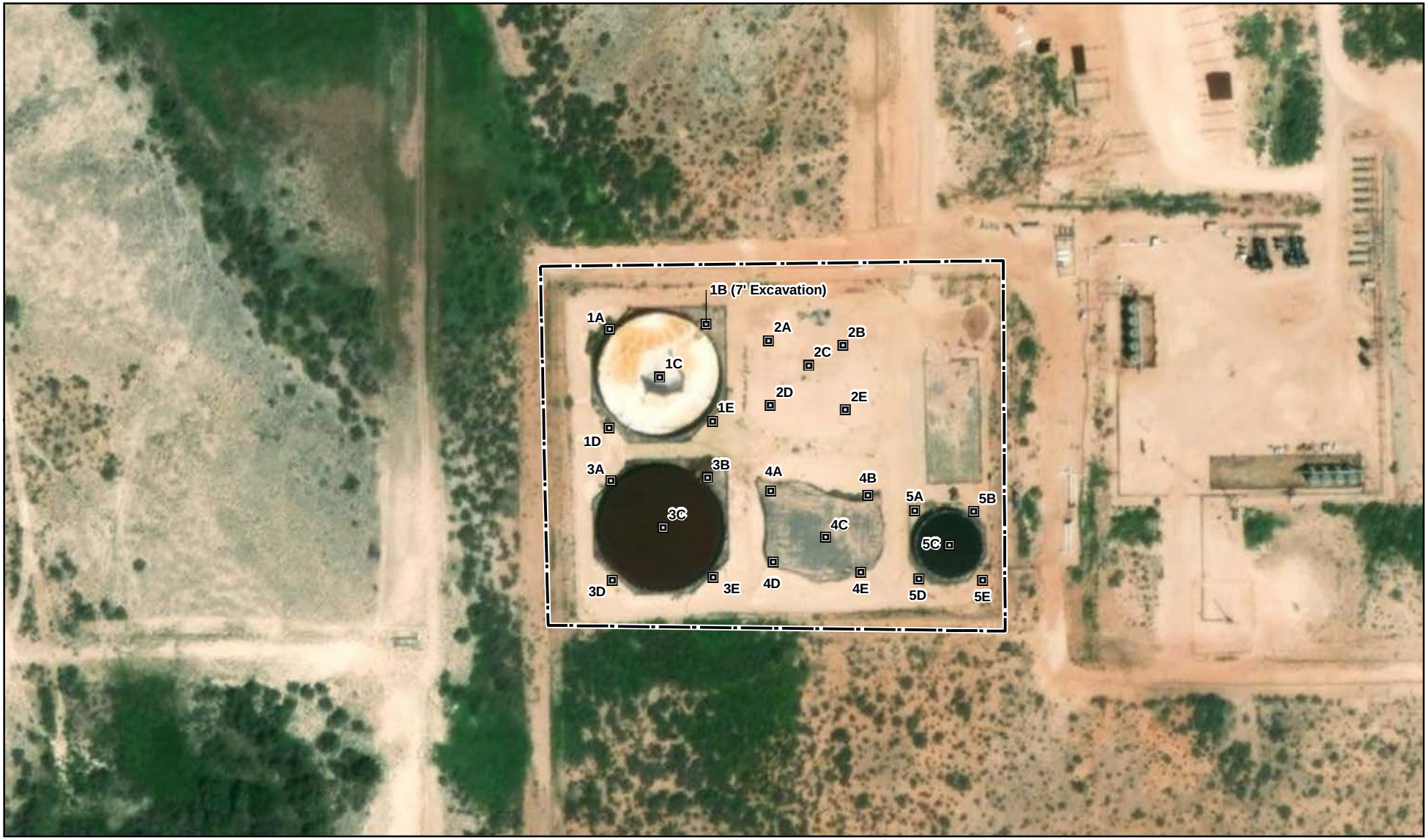
Attachment 1. Site Schematic
Attachment 2. Table 2
Attachment 3. Daily Field Reports with Pictures
Attachment 4. Approval Correspondence

Limitations

This report has been prepared for the sole benefit of Matador Production Company. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, without the express written consent of Vertex Resource Services Inc. (Vertex) and Matador Production Company. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgement of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

ATTACHMENT 1



Sampling Location

Approximate Site Boundary

VERTEX

0 25 50 100 150 Feet

Map Center:
Lat/Long: 32.211230, -104.053140

NAD 1983 UTM Zone 13N

Date: Sep 26/22

N

Sampling Locations
Tiger Recycling Facility

FIGURE:
1

Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Background imagery from Maxar., 2021. Feature locations from Vertex Professional Services Ltd., 2022.

VERSATILITY. EXPERTISE.

Document Path: \\vtx-s-fs01.corp.internal\shared\vps\04 - Geomatics\1-Projects_US PROJECTS\Matador Resources\22E-02197\Figure 1 Sampling Schematic (22E-02197).mxd

ATTACHMENT 2

Client Name: Matador Production Company
Site Name: Tiger Recycling Facility
NMOCD Tracking #: N/A
Project #: 22E-02197
Lab Report: 2207346

Table 2. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
1A	0.5	7/7/2022	-	-	312	-	-	-	-	-	-	-	-
1B	0.5	7/7/2022	-	-	243	-	-	-	-	-	-	-	-
1C	0.5	7/7/2022	-	-	302	-	-	-	-	-	-	-	-
1D	0.5	7/7/2022	-	-	318	ND	ND	ND	ND	ND	ND	ND	ND
1E	0.5	7/7/2022	-	-	276	-	-	-	-	-	-	-	-
2A	0	7/7/2022	-	-	220	-	-	-	-	-	-	-	-
2B	0	7/7/2022	-	-	332	-	-	-	-	-	-	-	-
2C	0	7/7/2022	-	-	340	ND	ND	ND	ND	ND	ND	ND	ND
	2.5	7/7/2022	-	-	260	-	-	-	-	-	-	-	-
	5	7/7/2022	-	-	215	-	-	-	-	-	-	-	-
2D	0	7/7/2022	-	-	242	-	-	-	-	-	-	-	-
2E	0	7/7/2022	-	-	320	-	-	-	-	-	-	-	-
3A	2.5	7/7/2022	-	-	280	-	-	-	-	-	-	-	-
3B	2.5	7/7/2022	-	-	318	-	-	-	-	-	-	-	-
3C	2.5	7/7/2022	-	-	312	-	-	-	-	-	-	-	-
3D	2.5	7/7/2022	-	-	336	ND	ND	ND	ND	ND	ND	ND	ND
3E	2.5	7/7/2022	-	-	277	-	-	-	-	-	-	-	-
4A	0	7/7/2022	-	-	256	ND	ND	ND	ND	ND	ND	ND	ND
4B	0	7/7/2022	-	-	306	-	-	-	-	-	-	-	-
4C	0	7/7/2022	-	-	302	-	-	-	-	-	-	-	-
4D	0	7/7/2022	-	-	312	ND	ND	ND	ND	ND	ND	ND	ND
4E	0	7/7/2022	-	-	290	-	-	-	-	-	-	-	-
5A	0	7/7/2022	-	-	295	ND	ND	ND	ND	ND	ND	ND	ND
5B	0	7/7/2022	-	-	215	-	-	-	-	-	-	-	-
5C	0	7/7/2022	-	-	356	ND	ND	ND	ND	ND	ND	ND	ND
	2.5	7/7/2022	-	-	275	-	-	-	-	-	-	-	-
	5	7/7/2022	-	-	200	-	-	-	-	-	-	-	-
5D	2.5	7/7/2022	-	-	180	-	-	-	-	-	-	-	-
5E	0	7/7/2022	-	-	190	-	-	-	-	-	-	-	-

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed

ATTACHMENT 3

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	6/29/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	6/29/2022 11:35 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	6/29/2022 7:30 AM
Departed Site	6/29/2022 4:45 PM

Field Notes

16:41 Began reclamation activity on West side of site

Next Steps & Recommendations

1 Continue excavation

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: East
	
Southwest corner looking North. Ripping 1’ depth	Southwest corner of pad seems to be approximately 3’ raised up from natural topography.

Daily Site Visit Report

Viewing Direction: East

North edge of pad where obvious Contaminant remains. Area to be excavated and sampled.

Viewing Direction: South

Pad Area

Viewing Direction: West

North edge of pad

Viewing Direction: East

Edge of pad area

Daily Site Visit Report

Viewing Direction: South

West side of site where 1’ depth has been obtained

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Austin Harris

Signature: 

Signature

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	6/30/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/1/2022 12:09 AM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	6/30/2022 7:45 AM
Departed Site	6/30/2022 5:00 PM

Field Notes

17:51 Arrived at location and did site walkthrough, conducted safety meeting with work crew

17:53 Excavation at depth of approximately 2’ began at the southwest and northwest corner of the pad. Excavated material was pushed to the west to be stockpiled for composite base samples to be collected.

17:56 The west side of the pad being excavated was coordinated into 6 zones. These zones were numbered 1-6 from south to north. A base composite sample would be collected from each zone and field screened.

18:02 The base composite samples collected in Zones 1,2,3,5 and 6 all tested above acceptable NMOCD criterium for chlorides. They also exceeded any background screening collected. Zone 4 had yet to be excavated so a base composite sample could not be collected and field screened.

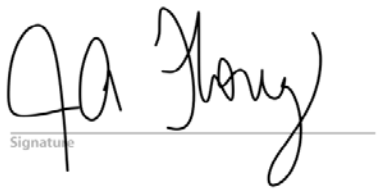
Next Steps & Recommendations

1. Collect and field screen composite base sample from Zone 4.
2. Continue Collecting composite base samples as excavation work continues.
3. Once Acceptable base samples are located within excavation, this clean material needs to be stockpiled for collection so it can be reused for future reclamation and backfill projects.

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Jarod Florez

Signature: 

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	7/1/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/1/2022 11:39 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	7/1/2022 7:30 AM
Departed Site	7/1/2022 4:00 PM

Field Notes

16:31 Continued excavation of pad to 2’ depth according to contour map provided by Matador.

16:31 Obtained BS22-01 to 05

Next Steps & Recommendations

1 Continue excavation

Daily Site Visit Report

Site Photos

Viewing Direction: North

1’ depth to 2’ depth contour

Viewing Direction: Northeast

1’ depth to 2’ depth contour

Viewing Direction: Northeast

1’ depth to 2’ depth contour

Viewing Direction: South

1’ depth to 2’ depth contour

Daily Site Visit Report

Viewing Direction: Southeast

1’ depth to 2’ depth contour

Viewing Direction: East

1’ depth to 2’ depth contour

Viewing Direction: North

Field screens

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Austin Harris

Signature: 

Signature

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	7/2/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/2/2022 8:57 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	7/2/2022 7:30 AM
Departed Site	7/2/2022 2:06 PM

Field Notes

14:03 Continued excavation into 2’ depth contour area moving west to east

Next Steps & Recommendations

1 Continue excavation

Daily Site Visit Report

Site Photos

Viewing Direction: West

North end of 2’ area

Viewing Direction: Southwest

North end

Viewing Direction: South

North end looking South over East edge of 2’ depth

Viewing Direction: North

East edge where work ended

Daily Site Visit Report

Viewing Direction: West

Middle section

Viewing Direction: West

Middle area

Viewing Direction: Southwest

Southwest area of 1’ depth section

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Austin Harris

Signature: 

Signature

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	7/5/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/5/2022 9:46 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	7/5/2022 8:00 AM
Departed Site	7/5/2022 4:15 PM

Field Notes

7:57 Arrived on site to continue soil sampling for reclamation.

9:38 Collected BES22-01 through BES22-07. All were under criteria for chlorides.
Pecos River is continuing to rip the pad and will keep the remaining top soil and caliche.

10:02 Collected BES22-08 in the area where there was contaminants in the schematic. At 1’ it was hot on chlorides. Pecos is going to dig a 40’x40’ circle in the direct vicinity of it. We will excavate it down to 4’ and field screen until it is clean.

10:37 BES22-08 is still hot on chlorides at 4’. Pecos will dig the 40’x40’ area and take it down to 7’. Then we will field screen a 7’ sample and the walls.

13:50 Collected BES22-08 at 7’ and WES22-01 through WES22-04 around it. All are clean on all field screening

14:18 Dale, Jimmy and Arsenio with Matador have all been on site today to check the progress of the site. We discussed the plans for the site and they do not have any issues with it.

14:59 BES22-09 will be collected near the southeast corner of the pad. It will have WES22-05 through WES22-08 around it.
This is another area that was required to be excavated according to the map. It will be excavated down to 2’ to begin

15:32 BES22-09 is clean on all field screening at 2’

15:43 BG22-01 was collected at 0’ and 2’ south of the pad and tested under criteria for chlorides

Daily Site Visit Report

Site Photos

Viewing Direction: Southwest

Sample area for BES22-04 and BES22-05

Viewing Direction: South

Sample area for BG22-01

Viewing Direction: East

Sample area for BES22-02 and BES22-03

Viewing Direction: East

Sample area for BES22-01

Daily Site Visit Report

Viewing Direction: Southeast	**Viewing Direction**: Southeast
	
Sample area for BES22-06	Sample area for BES22-07
Viewing Direction: East	**Viewing Direction**: Northeast
	
Sample area for BES22-08 and WES22-01 through WES22-04	Sample area for BES22-09

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: Northwest
	
Sample area for BES22-09	Pecos River working to clean out liner and abandoned equipment from battery

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Chance Dixon

Signature: 

Signature

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	7/6/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/6/2022 10:14 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	7/6/2022 7:45 AM
Departed Site	7/6/2022 3:00 PM

Field Notes

9:00 Arrived on site to continue reclamation.
WES22-05 through WES22-08 were clean in the excavation for BES22-09.
Pecos River is trying to come up with their plan to start ripping the pad

10:39 Pecos River is now ripping the southern edge of the site. They are also continuing to remove liner and other pieces of equipment

13:19 Work was paused for a meeting with Cliff from Matador.
More samples will need to be collected from the pad before Pecos River can continue ripping the pad. They will be put on hold until sampling is complete.

14:34 Collecting samples 1A through 1E per Cliffs instruction.
All field screened under 325 which is what I field screened for backgrounds south of the site at 2' yesterday.

14:35 Sample 1D field screened the highest at 318 for chlorides. It will be sent to lab for analysis.

Next Steps & Recommendations

1 Collected samples for tanks 2 through 5 tomorrow.

Daily Site Visit Report

Site Photos

Viewing Direction: Southeast	**Viewing Direction**: East
	
Sample area for BES22-09 and WES22-05 through WES22-08	Pecos River cleaning pieces of liner and equipment leftover from site
Viewing Direction: East	**Viewing Direction**: Southeast
	
Electrical line being removed.	Southern edge of the site being ripped

Daily Site Visit Report

Viewing Direction: East

Sample area for 1A through 1E

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Chance Dixon

Signature: 

Signature

Daily Site Visit Report

Client:	Matador Resources	Inspection Date:	7/7/2022
Site Location Name:	Tiger Recycling Facility	Report Run Date:	7/7/2022 8:25 PM
Client Contact Name:	Arsenio Jones	API #:	
Client Contact Phone #:	(575)361-4333		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	7/7/2022 7:15 AM
Departed Site	7/7/2022 1:00 PM

Field Notes

7:18 Arrived on site to collect and field screen areas where tanks 2-5 were. Each sample area will have five samples.

10:04 All samples with the exception of a couple came back under 325 on chlorides which is what I field screened for background earlier in the week. The high ones will be sent to lab for analysis.
Results are included in the Daily Soil Report

10:05 Sample points 2C and 5C were collected at 2.5’ and 5’. All four samples field screened under 325.

10:06 BG22-01 will be collected at 5’ to ensure our 2.5’ and 5’ samples for 5C and 2C are clean

13:41 BG22-01 was ran at about 300 at 5’

Next Steps & Recommendations

1 Send samples that we discussed with Matador to lab

Daily Site Visit Report

Site Photos

Viewing Direction: East

Sample area for tank #2

Viewing Direction: West

Sample area for tank #3

Viewing Direction: Southeast

Sample area for tank #4

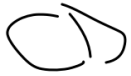
Viewing Direction: Southeast

Sample area for tank #5

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Chance Dixon

Signature: 

Signature

Tank 1	Chloride (ppm)	2016 Surface Background
1A	312	780
1B	243	
1C	302	
1D	318	
1E	276	
Sample w/ Highest Reading	1D	
Value of Highest Reading	318	
Lab Result of Highest Reading	ND	

Tank 2	Chloride (ppm)	2016 Surface Background
2A	220	1084
2B	332	
2C	340	
2D	242	
2E	320	
Sample w/ Highest Reading	2C	
Value of Highest Reading	340	
Lab Result of Highest Reading	ND	

Tank 3	Chloride (ppm)	2016 Surface Background
3A	280	1045
3B	318	
3C	312	
3D	336	
3E	277	
Sample w/ Highest Reading	3D	
Value of Highest Reading	336	
Lab Result of Highest Reading	ND	

Tank 4	Chloride (ppm)	2016 Surface Background
4A	256	507
4B	306	
4C	302	
4D	312	
4E	290	
Sample w/ Highest Reading	4D	
Value of Highest Reading	312	
Lab Result of Highest Reading	ND	

Tank 5	Chloride (ppm)	2016 Surface Background
5A	295	760
5B	215	
5C	356	
5D	180	
5E	190	
Sample w/ Highest Reading	5C	
Value of Highest Reading	356	
Lab Result of Highest Reading	ND	

Other Tests	Chloride (ppm)
Highest Sample Reading	356
2.5 ft Sample (Field Test)	275
5.0 ft Sample (Field Test)	200
Second Highest Sample Reading	340
2.5 ft Sample (Field Test)	260
5.0 ft Sample (Field Test)	215
Location of "Other" Sample #1	5C
Location of "Other" Sample #2	2C

ATTACHMENT 4

(3)

From: Billings, Bradford, EMNRD
To: Randall Hicks; Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: "Cliff Humphreys"
Subject: RE: Matador - Tiger Recycling Facility/Containment
Date: Thursday, June 23, 2016 3:19:00 PM

To,
Matador Production Company and
RT Hicks Consultants

Conditions of Approval for C-147 as Submitted for Matador. Tiger Recycling Facility and Containment.

Registration of Facility and Application for Permit for Containment is Approved with the following conditions/stipulations:

(1) Soil samples collected from designated area(s) for future containments may be used for evaluation of "background" values at time of closure. Possible adjustments to delineation needs and or remediation needs may occur when incorporating said background values. Grid and report of recently gathered soil sample data regarding "background" should be submitted to OCD for future use/reference. This is approved.

(2) Soil values for delineation at closure (following adjustments if needed as indicated above) will be, at minimum, the following:

Chloride - 600 mg /Kg for horizontal delineation, and 250 mg/Kg for vertical delineation.
Benzene – 10 parts per million (ppm)
Total BTEX – 50 ppm
TPH – 100 ppm (includes MRO,GRO, DRO)

Additional sampling at closure, as outlined in the C-147 package and allied electronic communication is acceptable, and approved.

As the "bottom" of the containment has been determined to be less than 50 feet to ground water (nominally 47 feet), and as there are identified clay layers above the water table, the request for Variance of the 50 foot rule is approved. Incorporated in this decision process was the acceptance of the additional sampling offered by Matador.

OCD appreciates the issues as defined in the variance request for two foot of freeboard versus three feet in the containment, nonetheless, this specific variance request is denied. OCD does not wish to increase groundwater contamination risk beyond that already being allowed with the above indicated depth to groundwater concern.

OCD hopes these conditions and approvals meet with you satisfaction. If there are questions or comments please do not hesitate to contact myself, or the District II Office.

You may contact Amalia Bustamante, OCD, District II Office, Artesia, at 575-748-1283 ext. 113 to secure an allocated RF Number for Registration and Permit applications. They are approved with the above considerations.

Please attend the required forms and data streams for submittal to the OCD regarding safety/system/leak detection checks and fluid volumes moved at facility/containment(s) when operations begin.

Please retain this notification as your official notification.

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination, that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

Bradford Billings
Hydrologist – District II
Oil Conservation Division/Environmental Bureau
505.476.3482
email: bradford.billings@state.nm.us

ATTACHMENT 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 18, 2022

Monica Peppin

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX

RE: Tiger Recycling Facility OrderNo.: 2207346

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/9/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: 1D 0.5'
Project: Tiger Recycling Facility
Collection Date: 7/7/2022 9:00:00 AM
Lab ID: 2207346-001 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/13/2022 4:38:53 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/13/2022 4:38:53 AM
Surr: DNOP	70.3	51.1-141		%Rec	1	7/13/2022 4:38:53 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 10:03:56 PM
Surr: BFB	94.7	37.7-212		%Rec	1	7/12/2022 10:03:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	7/12/2022 10:03:56 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2022 10:03:56 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 10:03:56 PM
Xylenes, Total	ND	0.097		mg/Kg	1	7/12/2022 10:03:56 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/12/2022 10:03:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 8:31:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** 2C 0'
Project: Tiger Recycling Facility **Collection Date:** 7/7/2022 9:15:00 AM
Lab ID: 2207346-002 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 5:02:48 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/13/2022 5:02:48 AM
Surr: DNOP	77.2	51.1-141		%Rec	1	7/13/2022 5:02:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 10:27:28 PM
Surr: BFB	93.8	37.7-212		%Rec	1	7/12/2022 10:27:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/12/2022 10:27:28 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2022 10:27:28 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 10:27:28 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2022 10:27:28 PM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/12/2022 10:27:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 8:43:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** 3D 2.5'
Project: Tiger Recycling Facility **Collection Date:** 7/7/2022 9:30:00 AM
Lab ID: 2207346-003 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/13/2022 5:26:48 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/13/2022 5:26:48 AM
Surr: DNOP	75.8	51.1-141		%Rec	1	7/13/2022 5:26:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/12/2022 10:51:00 PM
Surr: BFB	95.6	37.7-212		%Rec	1	7/12/2022 10:51:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.024		mg/Kg	1	7/12/2022 10:51:00 PM
Toluene	ND	0.049		mg/Kg	1	7/12/2022 10:51:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	7/12/2022 10:51:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	7/12/2022 10:51:00 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/12/2022 10:51:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 8:56:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** 4D 0'
Project: Tiger Recycling Facility **Collection Date:** 7/7/2022 9:45:00 AM
Lab ID: 2207346-004 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 5:50:48 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2022 5:50:48 AM
Surr: DNOP	76.2	51.1-141		%Rec	1	7/13/2022 5:50:48 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2022 11:14:34 PM
Surr: BFB	94.5	37.7-212		%Rec	1	7/12/2022 11:14:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/12/2022 11:14:34 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2022 11:14:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2022 11:14:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2022 11:14:34 PM
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/12/2022 11:14:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 9:08:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: 5C 0'
Project: Tiger Recycling Facility
Collection Date: 7/7/2022 10:00:00 AM
Lab ID: 2207346-005 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 9:02:18 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 9:02:18 PM
Surr: DNOP	58.1	51.1-141		%Rec	1	7/12/2022 9:02:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/12/2022 11:38:06 PM
Surr: BFB	94.3	37.7-212		%Rec	1	7/12/2022 11:38:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/12/2022 11:38:06 PM
Toluene	ND	0.050		mg/Kg	1	7/12/2022 11:38:06 PM
Ethylbenzene	ND	0.050		mg/Kg	1	7/12/2022 11:38:06 PM
Xylenes, Total	ND	0.099		mg/Kg	1	7/12/2022 11:38:06 PM
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	7/12/2022 11:38:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 9:21:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: 4A 0'
Project: Tiger Recycling Facility
Collection Date: 7/7/2022 10:15:00 AM
Lab ID: 2207346-006 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **ED**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/12/2022 9:16:50 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/12/2022 9:16:50 PM
Surr: DNOP	55.3	51.1-141		%Rec	1	7/12/2022 9:16:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 12:01:47 AM
Surr: BFB	94.0	37.7-212		%Rec	1	7/13/2022 12:01:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/13/2022 12:01:47 AM
Toluene	ND	0.050		mg/Kg	1	7/13/2022 12:01:47 AM
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 12:01:47 AM
Xylenes, Total	ND	0.10		mg/Kg	1	7/13/2022 12:01:47 AM
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/13/2022 12:01:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 9:33:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

Analytical Report
Lab Order **2207346**
Date Reported: **7/18/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** 5A 0'
Project: Tiger Recycling Facility **Collection Date:** 7/7/2022 10:30:00 AM
Lab ID: 2207346-007 **Matrix:** SOIL **Received Date:** 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 1:02:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 1:02:30 PM
Surr: DNOP	71.2	51.1-141		%Rec	1	7/13/2022 1:02:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 12:25:19 AM
Surr: BFB	92.4	37.7-212		%Rec	1	7/13/2022 12:25:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	0.025		mg/Kg	1	7/13/2022 12:25:19 AM
Toluene	ND	0.049		mg/Kg	1	7/13/2022 12:25:19 AM
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 12:25:19 AM
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2022 12:25:19 AM
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	7/13/2022 12:25:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **NAI**
Chloride	ND	60		mg/Kg	20	7/12/2022 10:10:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2207346**
18-Jul-22

Client: Vertex Resources Services, Inc.
Project: Tiger Recycling Facility

Sample ID: **MB-68724**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **68724**	RunNo: **89439**							
Prep Date: **7/12/2022**	Analysis Date: **7/12/2022**	SeqNo: **3181876**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-68724**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **68724**	RunNo: **89439**							
Prep Date: **7/12/2022**	Analysis Date: **7/12/2022**	SeqNo: **3181877**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207346**

18-Jul-22

Client: Vertex Resources Services, Inc.

Project: Tiger Recycling Facility

Sample ID: **MB-68675** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **68675** RunNo: **89401**

Prep Date: **7/11/2022** Analysis Date: **7/12/2022** SeqNo: **3180414** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		96.2	51.1	141			

Sample ID: **LCS-68675** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **68675** RunNo: **89401**

Prep Date: **7/11/2022** Analysis Date: **7/12/2022** SeqNo: **3180415** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	96.9	64.4	127			
Surr: DNOP	4.8		5.000		96.3	51.1	141			

Sample ID: **MB-68693** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **68693** RunNo: **89397**

Prep Date: **7/11/2022** Analysis Date: **7/12/2022** SeqNo: **3180569** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.6	51.1	141			

Sample ID: **LCS-68693** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **68693** RunNo: **89397**

Prep Date: **7/11/2022** Analysis Date: **7/12/2022** SeqNo: **3181560** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	15	50.00	0	84.1	64.4	127			
Surr: DNOP	4.0		5.000		81.0	51.1	141			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207346**

18-Jul-22

Client: Vertex Resources Services, Inc.

Project: Tiger Recycling Facility

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **G89410**	RunNo: **89410**							
Prep Date:	Analysis Date: **7/12/2022**	SeqNo: **3180613**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	37.7	212			

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **G89410**	RunNo: **89410**							
Prep Date:	Analysis Date: **7/12/2022**	SeqNo: **3180614**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		194	37.7	212			

Sample ID: **mb-68666**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **68666**	RunNo: **89410**							
Prep Date: **7/10/2022**	Analysis Date: **7/12/2022**	SeqNo: **3180627**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.1	37.7	212			

Sample ID: **lcs-68666**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **68666**	RunNo: **89410**							
Prep Date: **7/10/2022**	Analysis Date: **7/12/2022**	SeqNo: **3180628**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2207346**

18-Jul-22

Client: Vertex Resources Services, Inc.

Project: Tiger Recycling Facility

Sample ID: **mb-68666**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **68666**	RunNo: **89410**
Prep Date: **7/10/2022**	Analysis Date: **7/12/2022**	SeqNo: **3180658** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: **LCS-68666**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **68666**	RunNo: **89410**
Prep Date: **7/10/2022**	Analysis Date: **7/12/2022**	SeqNo: **3180659** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.6	80	120			
Toluene	0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc.

Work Order Number: 2207346

RcptNo: 1

Received By: **Sean Livingston** 7/9/2022 9:30:00 AM SL

Completed By: **Sean Livingston** 7/9/2022 9:53:57 AM SL

Reviewed By: SLM 7/9/22

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SLM 7/9/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good				
2	3.6	Good				
3	3.9	Good				

Chain-of-Custody Record

Client: Vertex

Mailing Address: On File

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 2-Day

☐ Standard ☑ Rush 48 Hour

Project Name: Tiger Recycling Facility

Project #: 22E-02197

Project Manager: Monica Peppin

Sampler: CD

On Ice: ☑ Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): CF (-0.1°C) (°C)

2.1°C, 3.6°C, 3.9°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2207346	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
7/7	9:00	soil	1D @ 0.5'	4 oz	Ice	001	✓	✓					✓			
	9:15		2C 0'			002										
	9:30		3D 2.5'			003										
	9:45		4D 0'			004										
	10:00		5C 0'			005										
	10:15		[redacted] 4A 0'			006										
	10:30		[redacted] 5A 0'			007										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			[signature]		7/8/22	1100
Date: 7/8/22	Time: 1900	Relinquished by: [signature]	Received by: [signature]	Via: courier	Date 7/9/22	Time 9:30

Remarks: CC: Chance Dixon

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 154601

CONDITIONS

Operator:	OGRID:
MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	228937
	Action Number: 154601
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	NMOCD has reviewed the closure report submitted by [228937] MATADOR PRODUCTION COMPANY on October 28, 2022, for 2RF-106 - Tiger Recycling Facility ID [fAB1619053403] in P-14-24S-28E, Eddy Count New Mexico. The closure report has been approved. The permit associated with 2RF-106 - Tiger Recycling Facility ID [fAB1619053403] is closed.	11/2/2022