District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Page 1 of 27

Incident ID	nAPP2227023993
District RP	L
Facility ID	
Application ID	

Release Notification

Remediation plan approved with conditions see Remediation Plan page 5

Responsible Party

Responsible Party: SIMCOE, LLC	OGRID: 329736
Contact Name: Sabre Beebe	Contact Telephone (970) 852-5172
Contact email: sabre.beebe@ikavenergy.com	Incident # (assigned by OCD) nAPP2227023993
Contact mailing address: 1199 Main Ste., Suite 101, Durango, CO 81301	

Location of Release Source

Latitude <u>36.730380</u>

Longitude -108.160973 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: Gallegos Canyon Unit 500	Site Type: Active Well
Date Release Discovered: 09/12/2022	API# (if applicable) 30-045-28414

Unit Letter	Section	Township	Range	County
С	13	29N	13W	San Juan County

Surface Owner: State Federal Tribal Private (Name: Dugan Production Corp._____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) Approx. 8 bbl	Volume Recovered (bbls) Approx. 0 bbl
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
water to the ground. The	ptember 12, 2022 during site visit IKAV personnel fou produced water had traveled ~42 feet across the well p etermine amount of release is Horizontal Square Footag ed	pad. There was no liquids to be recovered.

	22 11:26:56 AM State of New Mexico	I	ncident ID	NAPP2227023993
e 2	Oil Conservation Division	Γ	District RP	
		F	acility ID	
		A	pplication ID	
Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the response Volume of release is greater than 25 bbls.	sible party consider thi	s a major release'	2
🗌 Yes 🖾 No				
Notice provided by callin	otice given to the OCD? By whom? To whong District III main office (505) 334-6178 and 2 PM. Informed Mr. Velez of all information	l speaking with John G	arcia 01/31/2022	@ 2:53 PM. Return call
	Initial Re	SDONSO		
		•		
The responsible	party must undertake the following actions immediately	unless they could create a s	afety hazard that wou	ld result in injury
Released materials ha	as been secured to protect human health and the ave been contained via the use of berms or dil ecoverable materials have been removed and d above have <u>not</u> been undertaken, explain we bils samples. Sampling map attached.	kes, absorbent pads, or managed appropriatel	у.	
	1AC the responsible party may commence rea		ssfully completed	
has begun, please attach	a narrative of actions to date. If remedial eff nt area (see $19.15.29.11(A)(5)(a)$ NMAC), plo		tion needed for c	
has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig	a narrative of actions to date. If remedial ef	ease attach all informa est of my knowledge and cations and perform corr CD does not relieve the o t to groundwater, surface	understand that pu ective actions for re perator of liability s water, human heal	Iosure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In
has begun, please attach within a lined containmen I hereby certify that the info regulations all operators are public health or the environn failed to adequately investig addition, OCD acceptance o and/or regulations.	a narrative of actions to date. If remedial eff nt area (see $19.15.29.11(A)(5)(a)$ NMAC), ple ormation given above is true and complete to the be required to report and/or file certain release notifi- ment. The acceptance of a C-141 report by the OC gate and remediate contamination that pose a threat	ease attach all informa est of my knowledge and cations and perform corr CD does not relieve the o t to groundwater, surface esponsibility for complian	understand that pu ective actions for re perator of liability s water, human heal nce with any other	Iosure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In federal, state, or local laws
has begun, please attach within a lined containmer I hereby certify that the info regulations all operators are public health or the environ failed to adequately investig addition, OCD acceptance o and/or regulations. Printed Name: _Sabre Be	a narrative of actions to date. If remedial eff nt area (see $19.15.29.11(A)(5)(a)$ NMAC), pla prmation given above is true and complete to the be required to report and/or file certain release notifi- ment. The acceptance of a C-141 report by the OC gate and remediate contamination that pose a threat of a C-141 report does not relieve the operator of re	ease attach all informa est of my knowledge and cations and perform corr CD does not relieve the o t to groundwater, surface esponsibility for complian Title: Environmenta	understand that pu ective actions for re perator of liability s water, human heal nce with any other	Iosure evaluation. rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In federal, state, or local laws

Rec	eived	by:

Jocelyn Harimon

Date: 11/14/2022

Received by OCD: 11/14/2022 11:26:56 AM Form C-141 State of New Mexico

Oil Conservation Division

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Incident ID	
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Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

$\frac{30}{bgs}$ (ft
□ Yes ⊠ No
$\Box Yes \boxtimes No$
🗌 Yes 🛛 No
🗌 Yes 🕅 No
🗌 Yes 🔀 No
☐ Yes ⊠ No ⊠ Yes ☐ No
🗌 Yes 🛛 No
🗌 Yes 🛛 No
🗌 Yes 🛛 No
□ Yes ⊠ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data

Data table of soil contaminant concentration data

 \boxtimes Depth to water determination

Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

- Topographic/Aerial maps
- Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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Page 3

eceived by OCD: 11/14/2022 11:26:56 AM orm C-141 State of New Mexico		Page 4 of 22
		Incident ID
Page 4 Oil C	Oil Conservation Division	District RP
		Facility ID
		Application ID
regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name: Signature:	are required to report and/or file certain release notifi ronment. The acceptance of a C-141 report by the OC estigate and remediate contamination that pose a threa ce of a C-141 report does not relieve the operator of r	est of my knowledge and understand that pursuant to OCD rules and cations and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have t to groundwater, surface water, human health or the environment. In esponsibility for compliance with any other federal, state, or local laws Title: Date: Telephone:
OCD Only		
Received by:		Date:

Received by OCD: 11/14/2022 11:26:56 AM Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	NAPP2227023993
District RP	
Facility ID	
Application ID	

Remediation Plan

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan. Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. Printed Name: Sabre Beebe Title: Environmental Coordinator Signature: Date: November 14, 2022 email:sabre.beebe@ikavenergy.com Telephone: 970-852-5172 OCD Only Jocelyn Harimon Received by: Date: 11/14/2022 Approved Approved with Attached Conditions of Approval Denied Deferral Approved See text box below Nelson Velez 11/21/2022 Date: Signature: Remediation plan approved with the addition of the following conditions:

- 1. Delineate horizontal perimeter of impacted area with sampling points having ten (10) feet spacing
- 2. Delineate vertical extent within impacted perimeter with a minimum of two (2) grab samples (e.g. near well head & terminal end)
- 3. Provide sampling depths in lab sample IDs

Final closure report required to include the following;

- 1. Provide supporting documentation for those items on page 3 of C-141
- 2. Provide separate scaled site map showing vertical and horizontal delineation points
- 3. Provide proof of impacted volume removed
- 4. Closure report deadline is February 21, 2023.

Page 5



11/4/2022

RE: Release# nAPP2227023993 Gallegos Canyon Unit 500 release. API# 05-045-28414 UL C Sec. 13, TWP 29N, R13W latitude 36.730380, Longitude -108.160973

BACKGROUND:

This event was discovered on September 12, 2022, during routine site visit by IKAV personnel. Upon arrival on location personnel discovered the wellhead had flowed produced water into a wet area on the well pad. All fluids were contained on the well pad surface. The Technician shut in the location and isolated the equipment. The release was estimated at 8 bbls of fluid outside of process equipment. There was no free-standing fluids to recover. Fluids had no odor and did not demonstrate any sheen.

REMEDIATION:

Stained soils:

There were no hydrocarbons released therefore no stained soils.

Produced water impacts:

Initial response included mapping, measurement for estimated volume and initial soil sampling. The remediation plan is to remove impacted soils and dispose of them properly. Removed soils will be transported to an approved disposal facility. Confirmation sampling will be conducted with 3-pt composite sample every 200 square feet. Initial sample results are elevated above the Table 1 standard for < 50 feet ground water.

SAMPLING:

Confirmation sampling will be conducted within the area, preserved on ice and transported to an accredited lab where sample(s) will be processed for constituents of concern which would be Chlorides as the initial samples demonstrate no hydrocarbon presence. Sampling will consist of a 3-point composite sample taken at the base of the excavation every 200 square feet. These samples unless denied by NMOCD will be processed by Chlorides only.



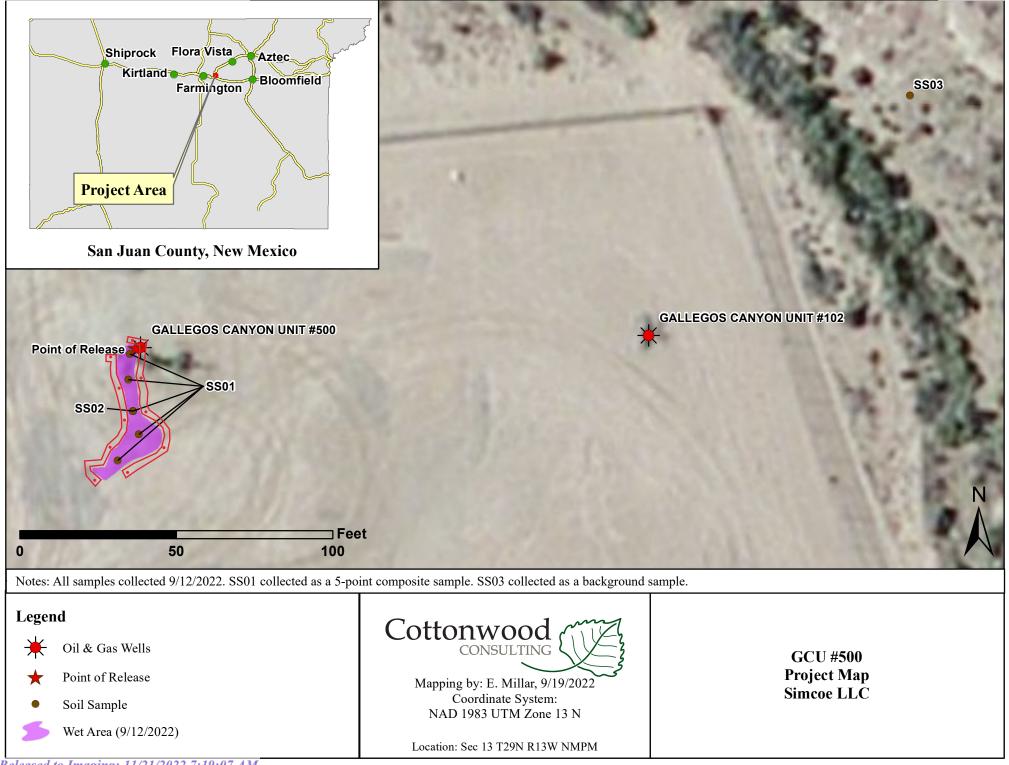
SUMMARY:

Simcoe, LLC has selected manual removal and hauling remediation for this location. Material removal will be performed to the extent practical and safe while maintaining the integrity of equipment and production pipelines. Composite samples will be taken at the base of the excavation area as depicted and processed by an accredited lab for the Table 1 constituent of concern which is identified as Chlorides. If at any time during this work the situation becomes unsafe and/or the equipment or piping integrity becomes a concern the work will be stopped, and the situation re-evaluated.



Should there be any questions or concerns to address prior to approval of this plan please do not hesitate to contact IKAV (970) 769-9523 or sabre.beebe@ikavenergy.com

Received by OCD: 11/14/2022 11:26:56 AM



Released to Imaging: 11/21/2022 7:19:07 AM



Soil Sampling Results Gallegos Canyon Unit #500 Simcoe LLC

Parameter	SS01 9/12/2022 Wet area	SS02 9/12/2022 Wet area	SS03 9/12/2022 Background	Units
Depth	0-4	4-10	0-16	inches bgs
Field, PID	0.1	0.1	0.4	ppm
Chloride	5,400	2,110	<10.1	mg/kg
Benzene	< 0.050	< 0.050	-	mg/kg
Toluene	< 0.050	< 0.050	-	mg/kg
Ethylbenzene	< 0.050	< 0.050	-	mg/kg
Total Xylenes	< 0.150	< 0.150	-	mg/kg
Total BTEX	< 0.300	< 0.300	-	mg/kg
TPH (GRO)	<10.0	<10.0	-	mg/kg
TPH (DRO)	<10.0	<10.0	-	mg/kg
TPH (EXT DRO)	<10.0	<10.0	-	mg/kg

Notes: SS01 collected as a 5-point composite sample.

PID - Photoionization Detector

BTEX - Benzene, Toluene, Ethylbenzene, & Total Xylenes

TPH - Total Petroleum Hydrocarbons

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

EXT - Extended

ppm - parts per million

bgs - below ground surface

mg/kg - milligrams per kilogram



75 Suttle Street Durango, CO 81303 970.247.4220 Phone 970.247.4227 Fax www.greenanalytical.com

26 September 2022

Kyle Siesser Cottonwood Consulting PO Box 1653 Durango, CO 81302 RE: BTEX/TPH, CI

Enclosed are the results of analyses for samples received by the laboratory on 09/12/22 16:25. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

Jerry D. all

Jeremy D Allen Laboratory Director

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at http://greenanalytical.com/certifications/

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: T104704514-22-15

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: T104704398-22-15



jeremy.allen@greenanalytical.com p: 970.247.4220 f: 970.247.4227 75 Suttle Street Durango, CO 81303

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: GCU 500	Reported:
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/22 13:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	2209135-01	Solid	09/12/22 13:10	09/12/22 16:25	
SS02	2209135-02	Solid	09/12/22 13:30	09/12/22 16:25	
SS03	2209135-03	Solid	09/12/22 13:00	09/12/22 16:25	

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Jerry S. all

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DO Day 1652	D:			EX/TPH, Cl				р	
PO Box 1653	Proj	ect Name / N						Report 09/26/22	
Durango CO, 81302		Project M	lanager: Ky	le Siesser				09/26/22	13:32
			SS01						
		22	209135-01	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	89.5			%	1	09/19/22 16:45	EPA160.3/1684		JDA
Soluble (DI Water Extraction)									
Chloride	5400	223	12.4	mg/kg dry	200	09/23/22 23:33	EPA300.0		AES
		01 E / T		TT 11		740			
Subcontracted Cardinal	Laboratories 1	01 East I	Marland	Hobbs, I	NIVI 884	240			
Subcontracted Cardinal	Laboratories 1	UI East I	Marland	Hobbs, I	NIVI 88.	240			
Volatile Organic Compounds by EPA		UI East I	Vlarland	Hobbs, I	<u>NIVI 88</u> 2	240			
Volatile Organic Compounds by EPA	Method 8021 <0.050	01 East F 0.050	0.004	mg/kg	50	09/17/22 03:43	8021B		JH/
Subcontracted Cardinal Volatile Organic Compounds by EPA Benzene* Foluene*	Method 8021						8021B 8021B		JH/ JH/
Volatile Organic Compounds by EPA Benzene*	Method 8021 <0.050	0.050	0.004	mg/kg	50	09/17/22 03:43			
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene*	Method 8021 <0.050 <0.050	0.050 0.050	0.004 0.006	mg/kg mg/kg	50 50	09/17/22 03:43 09/17/22 03:43	8021B		JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes*	Method 8021 <0.050 <0.050 <0.050	0.050 0.050 0.050	0.004 0.006 0.006	mg/kg mg/kg mg/kg	50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43	8021B 8021B		JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX	Method 8021 <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014	mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43	8021B 8021B 8021B		JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID)	Method 8021 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014 0.030	mg/kg mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22	8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID) Petroleum Hydrocarbons by GC FID	Method 8021 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014 0.030	mg/kg mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22	8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene*	Method 8021 <0.050	0.050 0.050 0.050 0.150 0.300	0.004 0.006 0.006 0.014 0.030 106 %	mg/kg mg/kg mg/kg mg/kg 69.9-140	50 50 50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43	8021B 8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID) Petroleum Hydrocarbons by GC FID GRO C6-C10*	Method 8021 <0.050	0.050 0.050 0.150 0.300	0.004 0.006 0.014 0.030 106 % 6.25	mg/kg mg/kg mg/kg mg/kg 69.9-140 mg/kg	50 50 50 50 50	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43	8021B 8021B 8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/ JH/ CK
Volatile Organic Compounds by EPA Benzene* Coluene* Cthylbenzene* Cotal Xylenes* Cotal BTEX Cotal Cotal C	Method 8021 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0	0.050 0.050 0.150 0.300 10.0	0.004 0.006 0.006 0.014 0.030 106 % 6.25 4.26	mg/kg mg/kg mg/kg mg/kg 69.9-140 mg/kg mg/kg	50 50 50 50 50 1 1	09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/17/22 03:43 09/15/22 22:48	8021B 8021B 8021B 8021B 8021B 8015B 8015B		JH/ JH/ JH/ JH/ JH/ СК СК

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Page 3 of 9 2209135 GAL FINAL 09 26 22 1332 09/26/22 13:32:50

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DO Day 1652	ъ .			EX/TPH, Cl				P	
PO Box 1653 Durango CO, 81302	Proj	ect Name / N Project M	lanager: Ky					Report 09/26/22	
Durango CO, 81302		Project M	lanager: Ky	le Slesser				09/20/22	13:32
			SS02						
		22	209135-02	(Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	92.1			%	1	09/19/22 16:45	EPA160.3/1684		JDA
Soluble (DI Water Extraction)									
Chloride	2110	10.9	0.603	mg/kg dry	10	09/23/22 16:55	EPA300.0		AES
Subcontracted Cardinal	Laboratories 1	01 East N	Marland	Hobbs, I	NM 882	240			
		<u>01 East N</u>	Marland	Hobbs, I	<u>NM 882</u>	240			
Volatile Organic Compounds by EPA		01 East N	Marland 0.004	Hobbs, I	<u>NM 882</u> 50	09/17/22 03:59	8021B		JH/
	Method 8021						8021B 8021B		JH/ JH/
Volatile Organic Compounds by EPA Benzene*	Method 8021 <0.050	0.050	0.004	mg/kg	50	09/17/22 03:59			
<i>Volatile Organic Compounds by EPA</i> Benzene* Foluene* Ethylbenzene*	Method 8021 <0.050 <0.050	0.050 0.050	0.004 0.006	mg/kg mg/kg	50 50	09/17/22 03:59 09/17/22 03:59	8021B		JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes*	Method 8021 <0.050 <0.050 <0.050	0.050 0.050 0.050	0.004 0.006 0.006	mg/kg mg/kg mg/kg	50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59	8021B 8021B		JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene*	Method 8021 <0.050 <0.050 <0.050 <0.150	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014	mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59	8021B 8021B 8021B		JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX	Method 8021 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014 0.030	mg/kg mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22	8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID) Petroleum Hydrocarbons by GC FID	Method 8021 <0.050 <0.050 <0.050 <0.150 <0.300	0.050 0.050 0.050 0.150	0.004 0.006 0.006 0.014 0.030	mg/kg mg/kg mg/kg mg/kg mg/kg	50 50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22	8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID)	Method 8021 <0.050	0.050 0.050 0.050 0.150 0.300	0.004 0.006 0.016 0.014 0.030 107 %	mg/kg mg/kg mg/kg mg/kg 69.9-140	50 50 50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59	8021B 8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Ethylbenzene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID) Petroleum Hydrocarbons by GC FID GRO C6-C10* DRO >C10-C28*	Method 8021 <0.050 <0.050 <0.150 <0.300 <10.0	0.050 0.050 0.150 0.300	0.004 0.006 0.014 0.030 107 % 6.25	mg/kg mg/kg mg/kg mg/kg 69.9-140 mg/kg	50 50 50 50 50	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59	8021B 8021B 8021B 8021B 8021B 8021B		JH/ JH/ JH/ JH/ JH/
Volatile Organic Compounds by EPA Benzene* Foluene* Fotal Xylenes* Fotal BTEX Furrogate: 4-Bromofluorobenzene (PID) Petroleum Hydrocarbons by GC FID GRO C6-C10*	Method 8021 <0.050 <0.050 <0.150 <0.300 <10.0 <10.0	0.050 0.050 0.150 0.300 10.0	0.004 0.006 0.014 0.030 107 % 6.25 4.26	mg/kg mg/kg mg/kg mg/kg 69.9-140 mg/kg mg/kg	50 50 50 50 50 1 1	09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/17/22 03:59 09/15/22 23:10	8021B 8021B 8021B 8021B 8021B 8015B 8015B		ЛН/ ЛН/ ЛН/ ЛН/ ЛН/ СК СК

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Laboratories							www.Gree	enAnalytica	d.com
Cottonwood Consulting		F	Project: BT	EX/TPH, Cl					
PO Box 1653	Proje	ect Name / N	umber: GC	U 500				Report	ed:
Durango CO, 81302		Project Ma	anager: Kyl	e Siesser				09/26/22	13:32
			SS03						
		22	09135-03 ((Soil)					
Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
% Dry Solids	98.9			%	1	09/19/22 16:45	EPA160.3/1684		JDA
Soluble (DI Water Extraction)									
Chloride	<10.1	10.1	0.562	mg/kg dry	10	09/23/22 17:16	EPA300.0		AES

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: GCU 500	Reported:
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/22 13:32

Soluble (DI Water Extraction) - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B222605 - IC- Ion Chromatograph										
Blank (B222605-BLK1)			Prepa	ured: 09/21	/22 Analyze	ed: 09/23/22	2			
Chloride	ND	10.0	mg/kg wet							
LCS (B222605-BS1)			Prepa	ared: 09/21	/22 Analyze	ed: 09/23/22	2			
Chloride	255	10.0	mg/kg wet	250		102	85-115			
LCS Dup (B222605-BSD1)			Prepa	red: 09/21	/22 Analyze	ed: 09/23/22	2			
Chloride	255	10.0	mg/kg wet	250		102	85-115	0.0627	20	

Volatile Organic Compounds by EPA Method 8021 - Quality Control

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

Batch 2091532 - Volatiles

Blank (2091532-BLK1)			Prep	ared: 09/15/22 An	alyzed: 09/17/2	22			
Surrogate: 4-Bromofluorobenzene (PID)	0.0539		mg/kg	0.0500	108	69.9-140			
Benzene	ND	0.050	mg/kg						
Ethylbenzene	ND	0.050	mg/kg						
Toluene	ND	0.050	mg/kg						
Total BTEX	ND	0.300	mg/kg						
Total Xylenes	ND	0.150	mg/kg						
LCS (2091532-BS1)			Prep	ared: 09/15/22 An	alyzed: 09/17/2	22			
Surrogate: 4-Bromofluorobenzene (PID)	0.0527		mg/kg	0.0500	105	69.9-140			
Benzene	1.81	0.050	mg/kg	2.00	90.5	83.4-122			
Ethylbenzene	1.83	0.050	mg/kg	2.00	91.6	84.2-121			
m,p-Xylene	3.82	0.100	mg/kg	4.00	95.6	89.9-126			
o-Xylene	1.91	0.050	mg/kg	2.00	95.5	84.3-123			
Toluene	1.88	0.050	mg/kg	2.00	94.0	84.2-126			
Total Xylenes	5.73	0.150	mg/kg	6.00	95.5	89.1-124			
LCS Dup (2091532-BSD1)			Prep	ared: 09/15/22 An	alyzed: 09/17/2	22			
Surrogate: 4-Bromofluorobenzene (PID)	0.0523		mg/kg	0.0500	105	69.9-140			
Benzene	1.92	0.050	mg/kg	2.00	95.9	83.4-122	5.78	12.6	
Ethylbenzene	1.94	0.050	mg/kg	2.00	96.8	84.2-121	5.57	13.9	
m,p-Xylene	4.03	0.100	mg/kg	4.00	101	89.9-126	5.28	13.6	

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: GCU 500	Reported:
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/22 13:32

Volatile Organic Compounds by EPA Method 8021 - Quality Control (Continued)

(Continued)										
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2091532 - Volatiles (Continued)										

LCS Dup (2091532-BSD1) (Continued)			Prep	oared: 09/15/22	Analyzed: 09/17/2	2		
o-Xylene	1.99	0.050	mg/kg	2.00	99.6	84.3-123	4.24	14.1
Toluene	1.99	0.050	mg/kg	2.00	99.7	84.2-126	5.80	13.3
Total Xylenes	6.02	0.150	mg/kg	6.00	100	89.1-124	4.94	13.4

Petroleum Hydrocarbons by GC FID - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2091526 - General Prep - Organics										
Blank (2091526-BLK1)			Prep	ared & Anal	yzed: 09/15	5/22				
Surrogate: 1-Chlorooctadecane	58.9		mg/kg	50.0		118	46.3-178			
Surrogate: 1-Chlorooctane	50.8		mg/kg	50.0		102	45.3-161			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
LCS (2091526-BS1)			Prep	ared & Anal	yzed: 09/15	5/22				
Surrogate: 1-Chlorooctadecane	67.6		mg/kg	50.0		135	46.3-178			
Surrogate: 1-Chlorooctane	53.8		mg/kg	50.0		108	45.3-161			
DRO >C10-C28	209	10.0	mg/kg	200		105	74.9-127			
GRO C6-C10	200	10.0	mg/kg	200		99.9	76.8-124			
Total TPH C6-C28	409	10.0	mg/kg	400		102	77.5-124			
LCS Dup (2091526-BSD1)			Prep	ared & Anal	yzed: 09/15	5/22				
Surrogate: 1-Chlorooctadecane	69.0		mg/kg	50.0		138	46.3-178			
Surrogate: 1-Chlorooctane	54.9		mg/kg	50.0		110	45.3-161			
DRO >C10-C28	201	10.0	mg/kg	200		100	74.9-127	4.18	18.6	
GRO C6-C10	194	10.0	mg/kg	200		97.2	76.8-124	2.78	17.2	
Total TPH C6-C28	395	10.0	mg/kg	400		98.8	77.5-124	3.50	17.6	

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Cottonwood Consulting	Project: BTEX/TPH, Cl	
PO Box 1653	Project Name / Number: GCU 500	Reported:
Durango CO, 81302	Project Manager: Kyle Siesser	09/26/22 13:32

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 *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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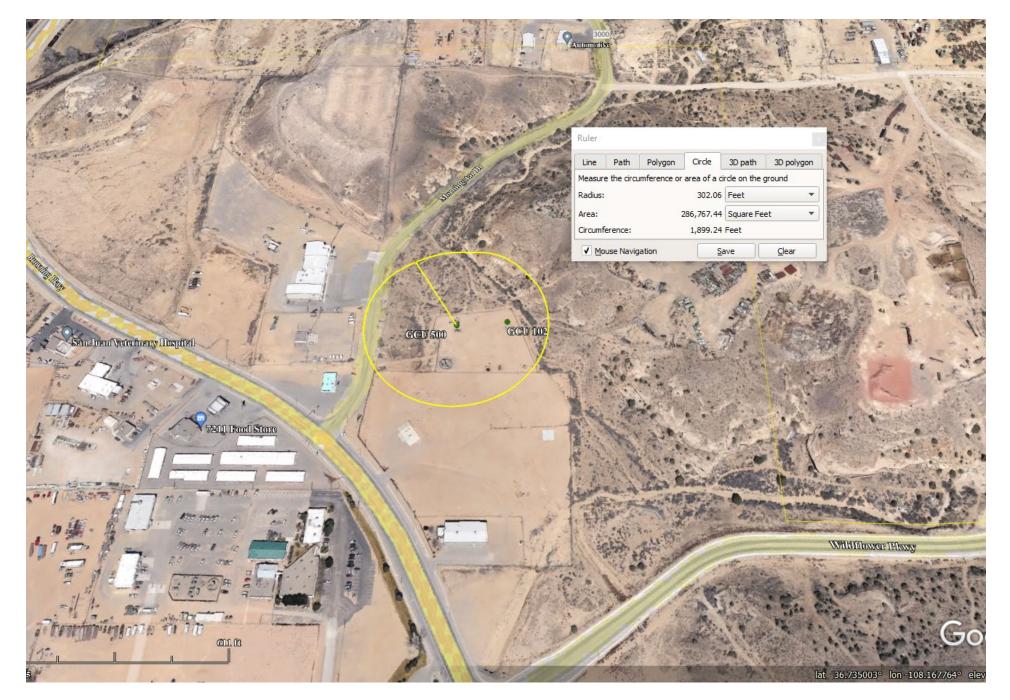
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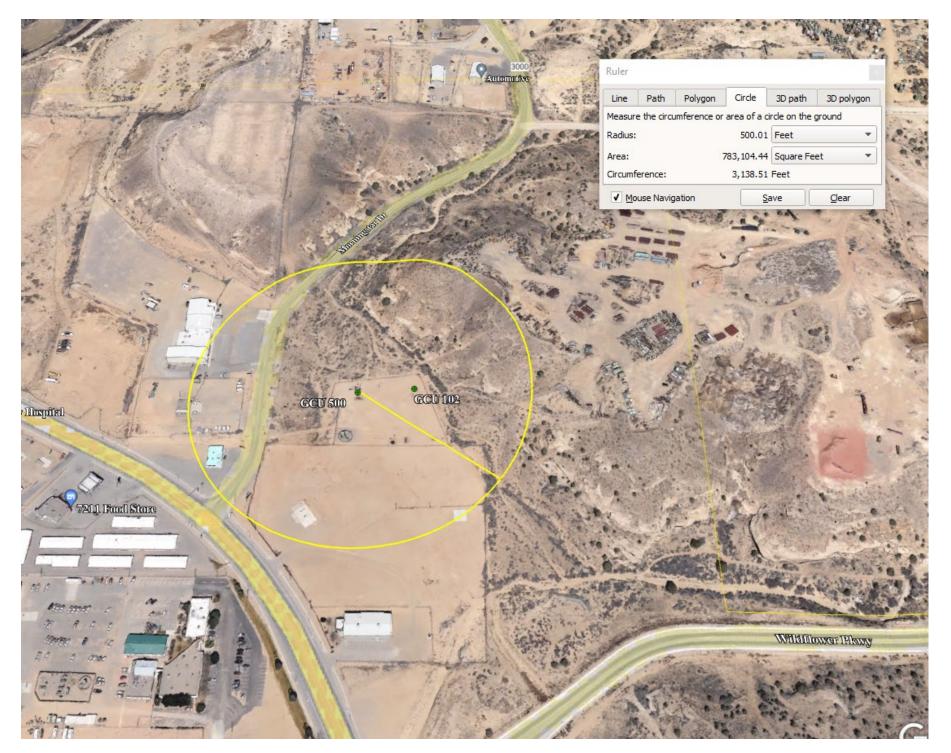


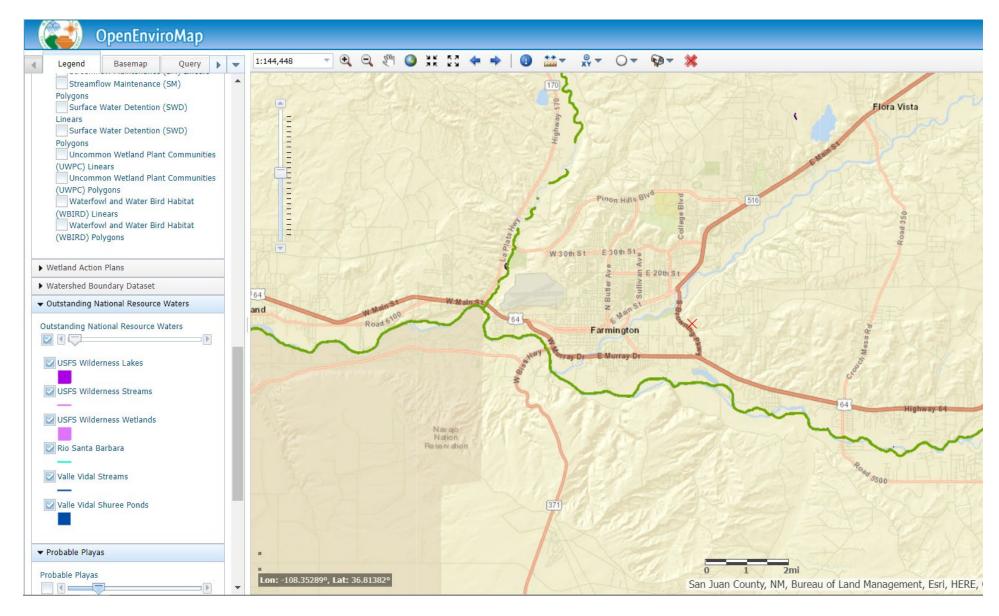
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

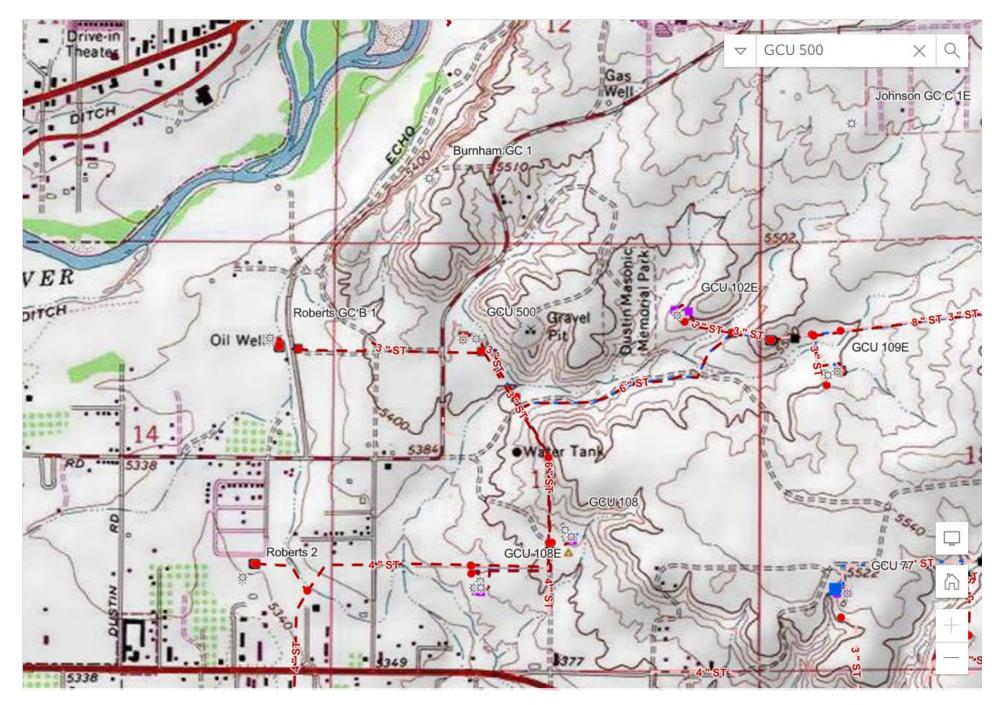
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Project Manager: Kyle Siesser					Bill to (if different): P.O. #:							ANALYSIS REQUEST						
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City: Durango	State: CO	Zip: 8130	2	Attn:								-	1	1				1
Phone #: (970) 764-7356	Email: ksiesser@cott		and the second se	Addre								1						
Additional Report To:	<u> </u>		anting.com	City:	033.							1		1				
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FOR LAB USE ONLY			ected	-	trix (ch				of con	taine	rs	1						
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Lab I.D. Sample	Name or Location			GROUNDWATER SURFACEWATED	WASTEWATER	PRODUCEDWATER SOIL		No preservation (general) HNO3					ļ	Chloride				
	Name of Location			ACF	EWP	JCED	ä	ervatio				RTEV	H	lor				
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GAL within 30 days after completion. In no event shall GAL I GAL, regardless of whether such claim is based upon any of elinquished By:	the above stated reasons or otherwise.	es, including without limi	itation, business inter	ruptions, lo	ss of use,	or loss o	f profits	incurred t	by client, it	s subsid	liaries, afi	liates or su	ccessors a	rising out	of or related	to the perform	ance of servi	ces hereu
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SITING AND HYDRO-GEOLOGICAL REPORT FOR GALLEGOS CANYON UNIT 10

Siting Criteria 19.15.17.10 NMAC

Depth in groundwater at the site is estimated to be greater than 100 feet. This estimation is based on data from Stone and others (1983), and depth to groundwater data obtained from water wells permitted by the New Mexico State Engineer's Office (OSE, Figure 1). Local opography and proximity to adjacent water features are also considered. A topographic map of the site is provided as Figure 2 and demonstrates that the below grade tank (BGT) is not within 300 feet of any continuously lowing watercourse or within 200 feet of any other significant watercourse, lakebed, sinkhole or playa lake as measured from the ordinary high water mark. Figure 3 demonstrates that the BGT is not within 300 feet of a permanent residence, school, hospital, institution or church. Figure 4 demonstrates, based on a search of the OSE database and USGS topographic maps, that there are no freshwater wells or springs within 1000 feet of the BGT. Figure 5 demonstrates, based on a search of the OSE database and USGS topographic maps, that the BGT is within a municipal boundary or a defined municipal freshwater well field. Figure 6 demonstrates that the BGT is not within 500 feet of a wetland. Figure 7 demonstrates that the BGT is not in an area overlying a subsurface mine. The BGT is not located in an unstable area. Figure 8 demonstrates that the BGT is not within the mapped FEMA 100-year floodplain.

Local Geology and Hydrology

This particular site is located on Ojo Alano Sandstone west of Crouch Mesa between the Animas and San Juan rivers. The site is located on a sandstone outcrop approximately 3294 feet from the Animas River and 100 feet higher in elevation. Although the BGT site is within municipal boundaries it is located within an isolated area, hundreds of feet from any structure or well therefore creating no imminent threat to local groundwater, human safety, and welfare.

Regional Geology and Hydrology

The San Juan Basin is situated in the Navajo section of the oplorado Plateau and is characterized by broad open valleys, mess, buttes and hogbacks. Away from major valleys and canyons topographic relief is generally low. Native vegetation is sparse and shrubby. Drainage is mainly by the San Juan River, the only permanent stream in the Navajo Section of the Colorado Plateau. The San Juan River is a tributary of the Colorado River. Major tributaries include the Animas, Chaco and La Plata Rivers. Flow of the San Juan River across the basin is regulated by the Navajo Dam, located about 30 miles northeast of Farmington, New Mexico. The climate is arid to semiarid with an average annual precipitation of 8 to 10 inches. Soils within the basin consist of weathered parent rock derived from predominantly physical means mostly from eolian depositional system with fluvial having a lesser impact.

Cretaceous and Tertiary sandstones, as well as Quaternary Alluvial deposits, serve as the primary aquifers in the San Juan Basin (Stone et al., 1983). In most of the proposed area, the Nacimiento Formation lies at the surface and grades into the Animas Formation/Ojo Alamo Sandstone to the west. The Ojo Alamo Sandstone consists of sandstone and conglomeritic sandstone and overlies the Kirtland Shale. The thickness of the Ojo Alamo ranges from 72 to 313 feet (Stone at al.,

NV - 11/18/2022

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1983). The predominant aquifer within the Ojo Alamo Sandstone occurs from near the surface to over 200 feet in depth. The aquifer is widely used as a domestic and stock water source.

References

Circular 154 Guidebook to coal geology obserthwest New Mexico By E. C. Beaumont, J. W. Shomaker, W. J. Stone, and others, 1976

Stone, et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico, Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p

NV - 11/18 /2022

Page	26	of	27
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		bils Impacted by a Release	The state
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
<mark>≤ 50 feet</mark>	Chloride***	EPA 300.0 or SM4500 Cl B	<mark>600 mg/kg</mark>
	<mark>TPH</mark> (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	<mark>50 mg/kg</mark>
	Benzene	EPA SW-846 Method 8021B or 8260B	<mark>10 mg/kg</mark>
51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg
>100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

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

Operator:	OGRID:
SIMCOE LLC	329736
1199 Main Ave., Suite 101	Action Number:
Durango, CO 81301	158336
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved with the addition of the following conditions: 1. Delineate horizontal perimeter of impacted area with sampling points having ten (10) feet spacing 2. Delineate vertical extent within impacted perimeter with a minimum of two (2) grab samples (e.g near well head & terminal end) 3. Provide sampling depths in lab sample IDs Final closure report required to include the following; 1. Provide supporting documentation for those items on page 3 of C-141 2. Provide separate scaled site map showing vertical and horizontal delineation points 3. Provide proof of impacted volume removed 4. Closure report deadline is February 21, 2023.	11/21/2022

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