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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Dugan Production Corp.	OGRID 006515
Contact Name Kevin Smaka	Contact Telephone 505-325-1821 x1049
Contact email Kevin.Smaka@duganproduction.com	Incident # *(assigned by OCD)* nAPP2233936203
Contact mailing address PO Box 420, Farmington	

Location of Release Source

Latitude 36.7429314 Longitude -108.2701645
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Federal I Com #103	Site Type Gas Well
Date Release Discovered 12/01/2022	API# *(if applicable)* 30-045-32587

Unit Letter	Section	Township	Range	County
E	12	29N	14W	San Juan

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name:* _____)

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) 15	Volume Recovered (bbls) 0
	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)

Cause of Release

Wellhead kill froze

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Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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: Kevin Smaka Title: Regulatory Engineer

Signature: _____ Date: December 5, 2022

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: _____ Date: _____

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2233936203
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	36 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☒ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ 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
- ☒ 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 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2233936203
District RP	
Facility ID	
Application ID	

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: Kevin Smaka Title: Regulatory Engineer

Signature: Kevin Smaka Date: 8-16-23

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: Shelly Wells Date: 8/17/2023

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Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2233936203
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- [X] Detailed description of proposed remediation technique
- [X] Scaled sitemap with GPS coordinates showing delineation points
- [X] Estimated volume of material to be remediated
- [X] Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- [X] 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: Kevin Smaka Title: Regulatory Engineer

Signature: Kevin Smaka Date: 8-16-23

email: Kevin.Smaka@duganproduction.com Telephone: 505-325-1821 x1049

OCD Only

Received by: Shelly Wells Date: 8/17/2023

- [ ] Approved
- [ ] Approved with Attached Conditions of Approval
- [ ] Denied
- [ ] Deferral Approved

Signature: Nelson Velez Date: 11/20/2023

Remediation plan approved with the following conditions;

1. Dugan is approved using 400 square foot per each 5 point composite sample.
2. Dugan must furnish the site characterization supporting items not transmitted within this document and include it within the next appropriate or final closure report.
3. Remediation Due date updated to February 20, 2024 to submit its appropriate or final closure report.

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Page 6

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Federal I Com 103

Site Characterization and Remediation Plan

30-045-32587

E-12-29N-14W

1775 FNL 10 FWL

Spill Background

There was a produced water spill at the Federal I Com 103 on December 1st, 2022. The spill area was most nearly 2000 feet square. In response to the spill, the well was shut in, a vacuum truck was dispatched to collect free standing water. No injuries, deaths or fires occurred as a consequence of this spill.

Site Characterization

This site is a sensitive location as it is located within 300 feet of a home. Since it close to a home Dugan must comply with the most stringent standards of remediation in NMAC 19.15.29. Dugan has included the following documents as part of the site characterization:

Map 1 is a map showing the extents of the spill as they were documented when the spill was discovered.

Map 2 is an aerial view of the spill area that includes a 300-foot buffer. The nearest home is roughly 150 feet away.

Map 3 is a topographical map of the surrounding area.

Map 4 is the site map for the sampling event on 7-6-2023.

Lab Report 1 is the analytical results from the initial sampling event

Lab Report 2 are the lab results from the sampling event on 7-16-2023.

iWaters Groundwater Report

Depth to Groundwater Determination

After consulting the iWaters database for section 12 of T-29N, R-12W it was found the average depth to groundwater in this section is 36 feet. Below is a tabulation of the iWaters search results for reference.

POD Number	Code	POD Subbasin	County	q64	q16	q4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 03784 POD1		SJM3	SJ	4	3	4	12	29N	14W	208210	4070365	32	20	12
SJ 04352 POD2		SJ	SJ		2	3	12	29N	14W	208624	4070995	52	43	9
SJ 04352 POD3		SJ	SJ		2	3	12	29N	14W	208625	4070988	52	45	7
SJ 04352 POD4		SJ	SJ		2	3	12	29N	14W	208627	4070993	40	39	1

Closure Standards

Based on our findings Dugan has determined closure standards are found in table 1 of NMAC 19.15.29 table 1 <50 feet to groundwater, listed here:

Table I
Closure Criteria for Soils Impacted by a Release

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**
≤ 50 feet	Chloride***	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Field Data

As noted above the spill was found on December 1. The spill was mapped, and test holes were dug with a shovel to determine the depth the water soaked to. It was found the average depth of wet soil was found was 1 foot. No further excavation or boring took place and in consequence no boring/excavation logs are available. The total affected volume of soil is most nearly 2000 cubic feet.

Soil samples were collected on 2/17/23. All samples were collected 1' BGS. A tabulation of those results is here:

Sample ID	TPH Result	BTEX Result	Chloride Result
1'Deep Center	0	0	740

Perimeter Delinieation	0	0	0
NW Composite	0	0	150
NE Composite	0	0	2600
SW Composite	0	0	400
SE Composite	0	0	2400

Further sampling was done on 7-6-2023 to fully delineate the site. In total 5 boreholes were drilled using a hand auger. To vertically delineate the site a borehole (BH #1 on the map) was drilled to depths of 2' and 4' at the center of the spill area. Lab results were below closure standards. To horizontally delineate the site 4 boreholes were drilled on the edges of the spill area. Each bore hole was drilled to a depth of 1' and 2'. Lab results show bore holes 2,4 and 5 were below regulatory standards for closure. Bore hole 3 was above the standards for closure.

A tabulation of the results is included here:

Federal I 103	Chlorides Results (mg/kg)
BH 1 @2'	340
BH 1 @4'	530
BH 2 @1'	0
BH 2 @2'	93
BH 3 @ 6"	320
BH 3 @ 1'	1400
BH 4 @6"	2100
BH4 @ 1'	0
BH5 @6"	0
BH 5 @1'	0

Remediation Plan

Dugan is proposing the following steps to remediate this spill:

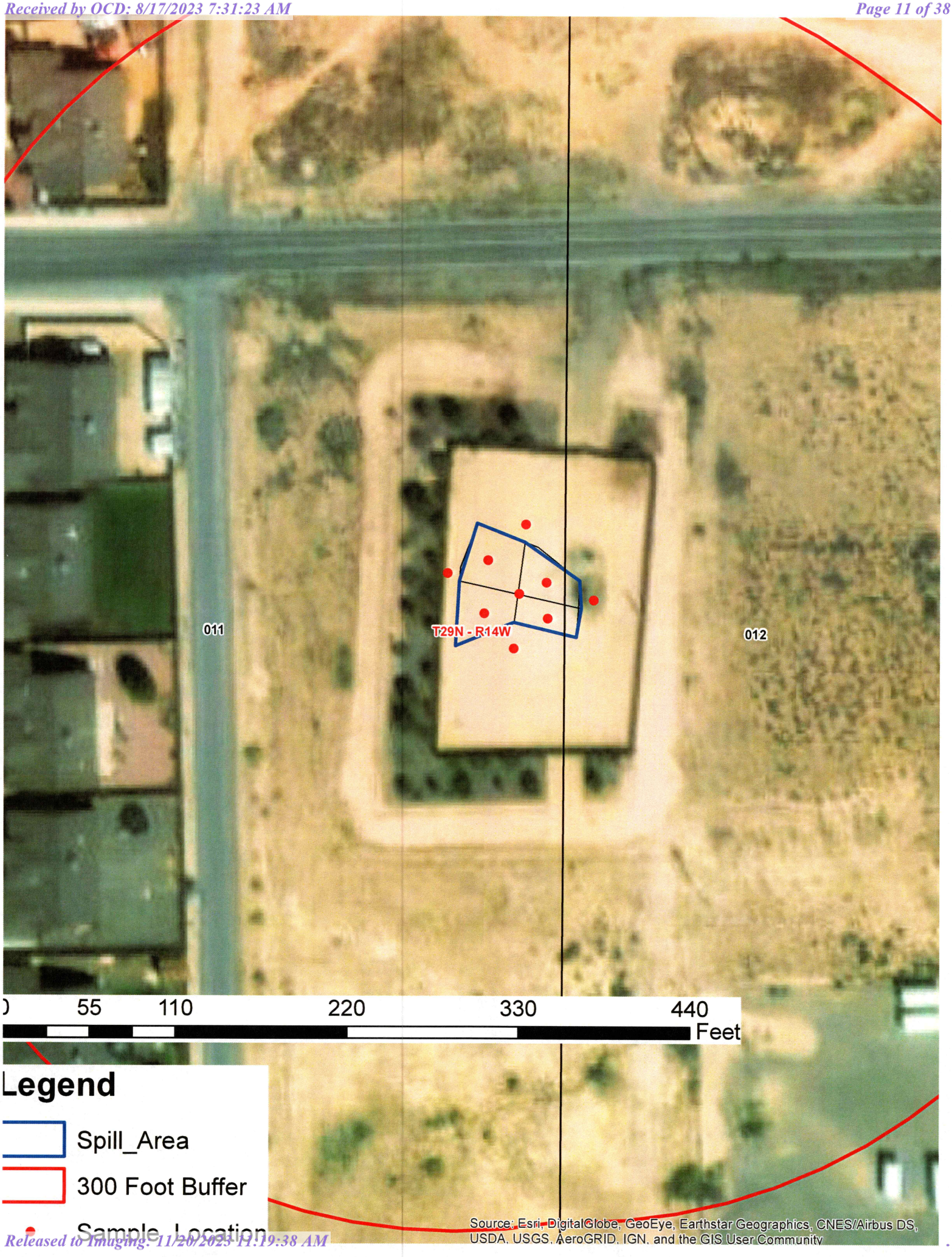
1. Due to the proximity to homes Dugan will excavate and remove the contaminated soil and haul it to the Envirotech land farm for remediation and disposal.
2. Once the soil has been excavated Dugan will collect 5 soil samples from the spill area. The soils samples will be analyzed in a local lab. The lab will test for Chlorides since no chlorides were detected in previous sampling activities. The soil samples will be analyzed in a local laboratory.
3. Dugan will further investigate the area surrounding bore hole 3 to ensure the spill site is fully remediated. Dugan anticipates this will require digging to at least 3' below ground to remove the contaminated soil.

4. The process will be repeated until lab results demonstrate successful remediation to state and federal requirements.

Dugan anticipates the spill will be remediated by 11/1/2023

Sampling Variance Request

In NMAC 19.15.29 it is stipulated an operator must collect 5-point samples for every 200 square feet of contaminated surface area. Dugan is requesting this be increased to 400 square feet. This will allow for an adequate sampling scope that protects the environment and the nearby community while limiting unnecessary sample collection.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012
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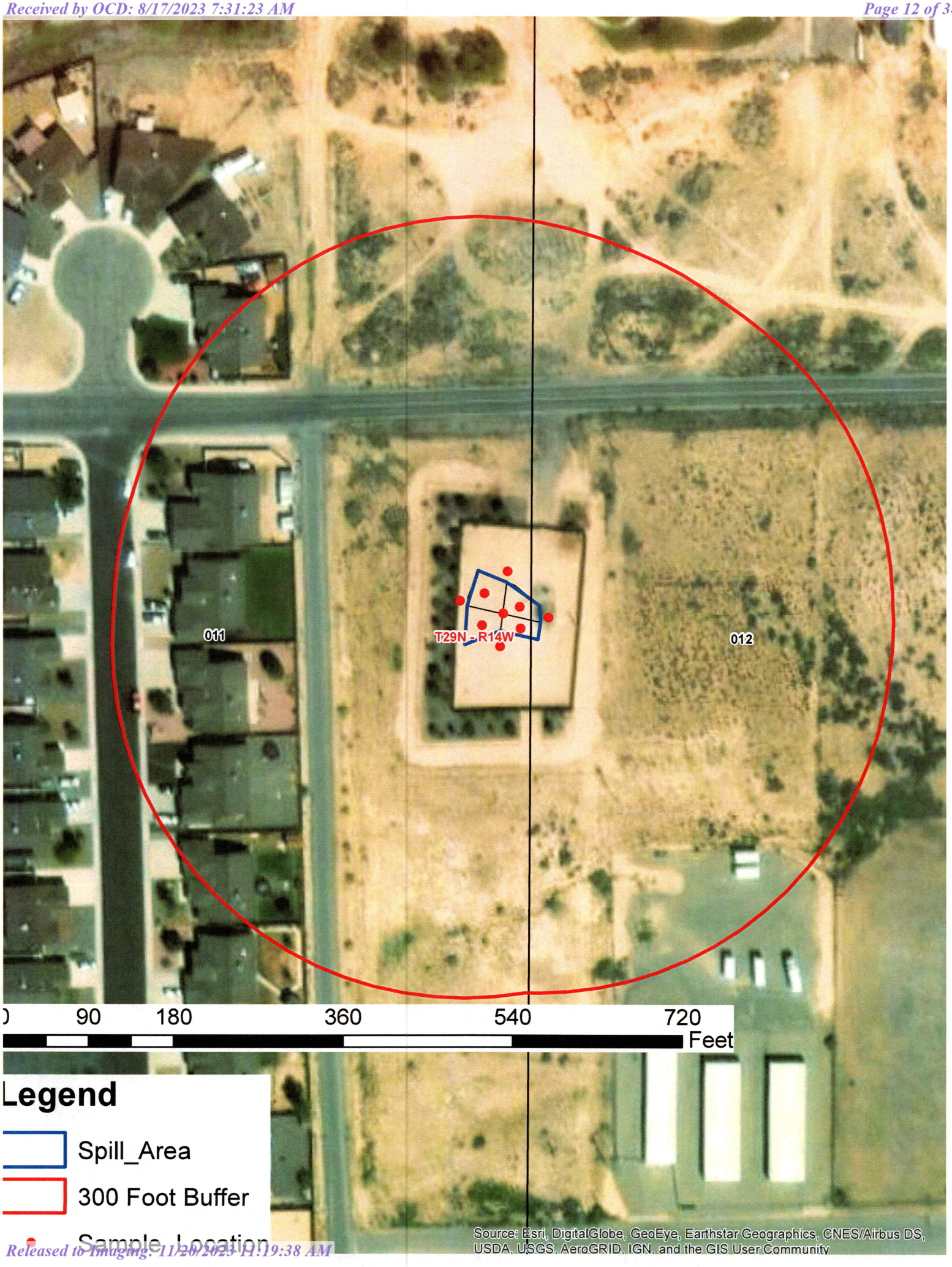
Spill_Area
300 Foot Buffer
Sample_Location
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community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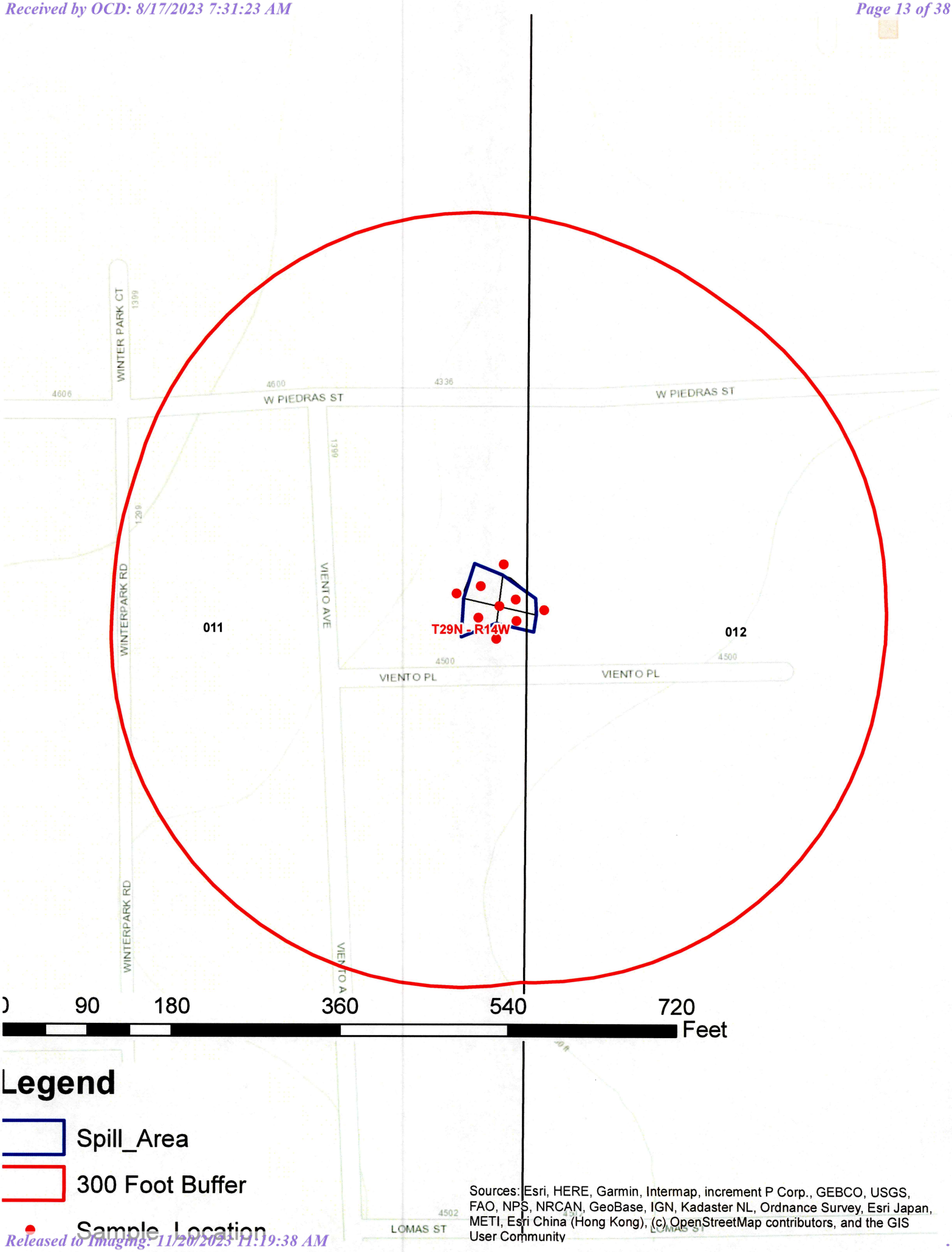
Sample_Location
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community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1399
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4336
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90
180
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4502
LOMAS ST
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-basin Code	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
SJ 03784 POD1	SJM3	SJ	4	3	4	12	29N	14W	208210	4070365	32	20	12
SJ 04352 POD2	SJ	SJ		2	3	12	29N	14W	208624	4070995	52	43	9
SJ 04352 POD3	SJ	SJ		2	3	12	29N	14W	208625	4070988	52	45	7
SJ 04352 POD4	SJ	SJ		2	3	12	29N	14W	208627	4070993	40	39	1

Average Depth to Water: **36 feet**

Minimum Depth: **20 feet**

Maximum Depth: **45 feet**

Record Count: 4

Basin/County Search:

Basin: San Juan

PLSS Search:

Section(s): 12 **Township:** 29N **Range:** 14W

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 10, 2023

James McDaniel
JAKD Solutions
3811 Crestridge Dr
Farmington, NM 87401
TEL: (505) 860-1666
FAX:

RE: Federal I Com 103 OrderNo.: 2307079

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 10 sample(s) on 7/6/2023 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 **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-001 **Matrix:** SOIL

Client Sample ID: BH1@2'
Collection Date: 7/5/2023 9:05:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	340	60		mg/Kg	20	7/7/2023 3:51:33 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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-002 **Matrix:** SOIL

Client Sample ID: BH1@4'
Collection Date: 7/5/2023 9:15:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	530	60		mg/Kg	20	7/7/2023 4:28:35 PM

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-003 **Matrix:** SOIL

Client Sample ID: BH2@1'
Collection Date: 7/5/2023 9:22:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	7/7/2023 4:40:56 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-004 **Matrix:** SOIL

Client Sample ID: BH2@2'
Collection Date: 7/5/2023 9:27:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	93	61		mg/Kg	20	7/7/2023 4:53:16 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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-005 **Matrix:** SOIL

Client Sample ID: BH3@1'
Collection Date: 7/5/2023 9:32:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1400	60		mg/Kg	20	7/7/2023 5:05:36 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-006 **Matrix:** SOIL

Client Sample ID: BH3@2'
Collection Date: 7/5/2023 9:38:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	2100	60		mg/Kg	20	7/7/2023 5:17:57 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-007 **Matrix:** SOIL

Client Sample ID: BH4@1'
Collection Date: 7/5/2023 9:42:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	7/7/2023 8:47:49 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-008 **Matrix:** SOIL

Client Sample ID: BH4@2'
Collection Date: 7/5/2023 9:45:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	7/7/2023 9:00:09 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-009 **Matrix:** SOIL

Client Sample ID: BH5@1'
Collection Date: 7/5/2023 9:50:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	7/7/2023 9:37:12 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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2307079**
Date Reported: **7/10/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal I Com 103
Lab ID: 2307079-010 **Matrix:** SOIL

Client Sample ID: BH5@2'
Collection Date: 7/5/2023 9:55:00 AM
Received Date: 7/6/2023 6:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	7/7/2023 9:49:34 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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/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#: **2307079**

10-Jul-23

Client: JAKD Solutions

Project: Federal I Com 103

Sample ID: **MB-76052**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **76052**	RunNo: **98004**							
Prep Date: **7/7/2023**	Analysis Date: **7/7/2023**	SeqNo: **3566373**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-76052**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **76052**	RunNo: **98004**							
Prep Date: **7/7/2023**	Analysis Date: **7/7/2023**	SeqNo: **3566374**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Sample ID: **MB-76059**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **76059**	RunNo: **98004**							
Prep Date: **7/7/2023**	Analysis Date: **7/7/2023**	SeqNo: **3566417**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-76059**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **76059**	RunNo: **98004**							
Prep Date: **7/7/2023**	Analysis Date: **7/7/2023**	SeqNo: **3566418**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

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: JAKD Solutions | Work Order Number: 2307079 | RcptNo: 1

Received By: Tracy Casarrubias 7/6/2023 6:15:00 AM

Completed By: Tracy Casarrubias 7/6/2023 8:09:45 AM

Reviewed By: 7/6/23

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 ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
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 ☐	Checked by: 7/6/23

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	5.5	Good	Yes	Yogi		

Chain-of-Custody Record

Client: JAKD Solutions

Mailing Address: 381 Cristridge Dr. Farmington, NM

Phone #: 505-860-1666

email or Fax#: james@jakdsolutions.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☑ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Federal I COM # 103

Project #:

Project Manager: J McDaniel

Sampler:

On Ice: ☑ Yes ☐ No ugi

# of Coolers: 1

Cooler Temp(Including CF): 5.6-0.1 = 5.5 (°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. 2307079	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)
7/5/23	905	Soil	BH1 G 2'	1-4oz	None cool	001							X			
	915		BH1 G 4'			002							X			
	922		BH2 G 1'			003							X			
	927		BH2 G 2'			004							X			
	932		BH3 G 1'			005							X			
	938		BH3 G 2'			006							X			
	942		BH4 G 1'			007							X			
	945		BH4 G 2'			008							X			
	950		BH5 G 1'			009							X			
	955		BH5 G 2'			010							X			

Remarks:

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
7/5/23	1420				7/5/23	1420
7/5/23	1840			courier	7/6/23	6:15

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.

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal 1 Com 103
Lab ID: 2302858-001 **Matrix:** SOIL

Client Sample ID: 1' Deep Center
Collection Date: 2/17/2023 10:45:00 AM
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/27/2023 9:10:47 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/27/2023 9:10:47 PM
Surr: DNOP	105	69-147		%Rec	1	2/27/2023 9:10:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 2:11:21 PM
Surr: BFB	100	37.7-212		%Rec	1	2/25/2023 2:11:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	2/25/2023 2:11:21 PM
Toluene	ND	0.047		mg/Kg	1	2/25/2023 2:11:21 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 2:11:21 PM
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2023 2:11:21 PM
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	2/25/2023 2:11:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	740	60		mg/Kg	20	2/25/2023 9:08:09 AM

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal 1 Com 103
Lab ID: 2302858-002 **Matrix:** SOIL

Client Sample ID: Perimeter Delineation
Collection Date: 2/17/2023 11:00:00 AM
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/27/2023 9:21:30 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/27/2023 9:21:30 PM
Surr: DNOP	108	69-147		%Rec	1	2/27/2023 9:21:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 2:35:09 PM
Surr: BFB	99.8	37.7-212		%Rec	1	2/25/2023 2:35:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	2/25/2023 2:35:09 PM
Toluene	ND	0.047		mg/Kg	1	2/25/2023 2:35:09 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 2:35:09 PM
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2023 2:35:09 PM
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	2/25/2023 2:35:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	2/25/2023 9:20:34 AM

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal 1 Com 103
Lab ID: 2302858-003 **Matrix:** SOIL

Client Sample ID: NW Composite
Collection Date: 2/17/2023 11:05:00 AM
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/27/2023 9:32:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/27/2023 9:32:12 PM
Surr: DNOP	108	69-147		%Rec	1	2/27/2023 9:32:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 2:58:59 PM
Surr: BFB	101	37.7-212		%Rec	1	2/25/2023 2:58:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	2/25/2023 2:58:59 PM
Toluene	ND	0.049		mg/Kg	1	2/25/2023 2:58:59 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 2:58:59 PM
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2023 2:58:59 PM
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	2/25/2023 2:58:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	150	60		mg/Kg	20	2/25/2023 9:32:58 AM

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal 1 Com 103
Lab ID: 2302858-004 **Matrix:** SOIL

Client Sample ID: NE Composite
Collection Date: 2/17/2023 11:10:00 AM
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	46	9.4		mg/Kg	1	2/27/2023 9:42:53 PM
Motor Oil Range Organics (MRO)	98	47		mg/Kg	1	2/27/2023 9:42:53 PM
Surr: DNOP	112	69-147		%Rec	1	2/27/2023 9:42:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 3:22:50 PM
Surr: BFB	99.5	37.7-212		%Rec	1	2/25/2023 3:22:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	2/25/2023 3:22:50 PM
Toluene	ND	0.047		mg/Kg	1	2/25/2023 3:22:50 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 3:22:50 PM
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2023 3:22:50 PM
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	2/25/2023 3:22:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	2600	150		mg/Kg	50	2/27/2023 12:24:55 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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Project: Federal 1 Com 103
Lab ID: 2302858-005 **Matrix:** SOIL

Client Sample ID: SW Composite
Collection Date: 2/17/2023 11:15:00 AM
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/27/2023 9:53:33 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/27/2023 9:53:33 PM
Surr: DNOP	114	69-147		%Rec	1	2/27/2023 9:53:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2023 4:10:32 PM
Surr: BFB	100	37.7-212		%Rec	1	2/25/2023 4:10:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	2/25/2023 4:10:32 PM
Toluene	ND	0.049		mg/Kg	1	2/25/2023 4:10:32 PM
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2023 4:10:32 PM
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2023 4:10:32 PM
Surr: 4-Bromofluorobenzene	95.0	70-130		%Rec	1	2/25/2023 4:10:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	400	60		mg/Kg	20	2/25/2023 9:57:46 AM

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

Analytical Report
Lab Order **2302858**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: JAKD Solutions
Client Sample ID: SE Composite
Project: Federal 1 Com 103
Collection Date: 2/17/2023 11:20:00 AM
Lab ID: 2302858-006 **Matrix:** SOIL
Received Date: 2/21/2023 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	200	9.4		mg/Kg	1	2/27/2023 10:04:13 PM
Motor Oil Range Organics (MRO)	400	47		mg/Kg	1	2/27/2023 10:04:13 PM
Surr: DNOP	103	69-147		%Rec	1	2/27/2023 10:04:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2023 4:34:28 PM
Surr: BFB	101	37.7-212		%Rec	1	2/25/2023 4:34:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	2/25/2023 4:34:28 PM
Toluene	ND	0.047		mg/Kg	1	2/25/2023 4:34:28 PM
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2023 4:34:28 PM
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2023 4:34:28 PM
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	2/25/2023 4:34:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	2400	60		mg/Kg	20	2/25/2023 10:10:11 AM

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit


±16ft -108.27008
ft
±11ft 5485
°,T
±12 S188
16Aug23 13:53 Ad-hoc
armington NM 87401, US 16-Aug-23 13:53:46


±16ft -108.27032
ft
±11ft 5482
°,T
±12 SE107
16Aug23 13:53 Ad-hoc
armington NM 87401, US 16-Aug-23 13:53:16


36.71292,
±22ft -108.27020
ft
±18ft 5478
°,T
±12 N5
16Aug23 13:52 Ad-hoc
Farmington NM 87401, US
16-Aug-23 13:52:42

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:
DUGAN PRODUCTION CORP PO Box 420 Farmington, NM 87499	6515
	Action Number: 253063
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan approved with the following conditions; 1. Dugan is approved using 400 square foot per each 5 point composite sample. 2. Dugan must furnish the site characterization supporting items not transmitted within this document and include it within the next appropriate or final closure report. 3. Remediation Due date updated to February 20, 2024 to submit its appropriate or final closure report.	11/20/2023