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: **Enterprise Field Services, LLC**	OGRID: **151618**
Contact Name: **Thomas Long**	Contact Telephone: **505-599-2286**
Contact email:**tjlong@eprod.com**	Incident # *(assigned by OCD):* **nAPP2202747264**
Contact mailing address: **614 Reilly Ave, Farmington, NM 87401**	

Location of Release Source

Latitude **36.484021** Longitude **-108.11705** *(NAD 83 in decimal degrees to 5 decimal places)*

Site Name **Chaco Plant Produced Water Spill**	Site Type **Produced Water Pipeline Riser**
Date Release Discovered: **4/2/2019**	Serial Number *(if applicable)*: **N/A**

Unit Letter	Section	Township	Range	County
E	**16**	**26N**	**12W**	**San Juan**

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

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) **3-5 Barrels**	Volume Recovered (bbls) **None**
	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)

Incident ID	
District RP	
Facility ID	
Application ID	

Cause of Release: On January 6, 2022, Enterprise had a release produced water from frozen valve on a riser associated with the plant's three phase separator and the produced water tanks. The associated pipeline was isolated, depressurized, locked and tagged out. No washes or residents were affected. No fire occurred. No emergency services responded. Release liquids affected an area approximately six feet in diameter. Remediation was initiated on January 24, 2022, by excavating the contaminant mass. Approximately 500 cubic yards of hydrocarbon contaminated soil have been excavated and transported to a NMOCD permitted soil remediation facility for proper disposal. Contaminant concentrations exceeding Tier I standards only exist in the capillary fringe/smear zone with approximately 22 feet of clean overburden material. Therefore, contaminant mass removal by excavating would not continue as a practicable remediation method. On May 5, 2022, after approval for NMOCD, a hydrogen peroxide solution to the excavation side walls followed by backfilling the excavation with clean fill material. Additional delineation and remediation activities are outlined in the attached Remedial Plan.

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?	<50 (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.

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Page 3

State of New Mexico
Oil Conservation Division

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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.

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: Thomas Long Title: Senior Environmental Scientist

Signature: Thomas Long Date: 05/24/2022

email: tjlong@eprod.com Telephone: 505-599-2286

OCD Only

Received by: Nelson Velez Date: 05/24/2022

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***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: Thomas Long Title: Senior Environmental Scientist

Signature: Thomas Long Date: 05/24/2022

email: tjlong@eprod.com Telephone: 505-599-2286

OCD Only

Received by: Nelson Velez Date: 05/24/2022

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Nelson Velez Date: 06/30/2022

Produced Water Spill Remediation Plan



Chaco Plant

36.484021, -108.11705
Unit E, Section 16, T26N, R12W
San Juan County, New Mexico

Enterprise Products

Incident #nAPP2202747264
Project #04061-0040

Mr. Tom Long
614 Reilly Ave.
Farmington, New Mexico
Phone: (505) 599-2286
E-mail: tjlong@eprod.com

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Chaco Plant - Produced Water Spill Remediation Plan
Incident # nAPP2202747264
Unit E, Section 16, T26N, R12W
San Juan County, New Mexico

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Location

The subject site is identified as the Chaco Plant Produced Water Spill and is located within Unit E, Section 16, Township 26 North, Range 12 West, San Juan County, New Mexico. The site location is further described as latitude 36.484021 and longitude -108.11705; see **Figure 1, Vicinity Map**.

Background

On January 6, 2022, a release of produced water occurred at Enterprise's Chaco Plant due to a frozen valve on a riser associated with the plant's three phase separator and produced water tanks. Approximately 5 barrels of produced water were released, and visible surface impact included a stained area approximately 6 feet in diameter. The subject pipeline was isolated, depressurized, locked, and tagged out. Residential properties and nearby washes/arroyos were not affected; a fire did not occur; and emergency services were not required.

Surface and Ground Water

Based on information provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS) Web Soil Survey, the soils predominant at the site is the Doak-Uffens complex which consists of alluvium derived from sandstone and shale.

The subject site is 2,376 feet northeast from an unnamed tributary of the West Fork of Gallegos Canyon. Four (4) groundwater monitoring wells exist within the Chaco Plant property. The depth to groundwater in the monitoring wells were reported to be between 12.14 feet and 13.55 feet in August 2021; therefore, depth to water at the subject site is estimated to be less than 50 feet below ground surface (bgs). Siting criteria documentation for the subject well site is provided in **Appendix A, Siting Documentation.**

Regulatory Standards

Based on the shallow depth of groundwater, the closure criteria for the site were based on the following standards (*19.15.29.12 NMAC*):

Constituent	Method	Limit
Chloride	EPA 300.0	600 mg/kg
Total Petroleum Hydrocarbons (TPH)	EPA Method 8015D	100 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA Method 8021B	50 mg/kg
Benzene	EPA Method 8021B	10 mg/kg

Site Status and Initial Characterization

Enterprise initiated remediation activities and repairs on January 24, 2022. Enterprise determined the release reportable per NMOCD regulation by the volume of observed impacted soil and reported the release via C-141 Form on January 26, 2022.

Once the pipeline was repaired and the site location was secure, on April 18 through April 21, 2022, Envirotech personnel and Enterprise's earth work contractor arrived on-site to conduct site remediation activities. Prior to field work, a Job Safety Analysis (JSA) was completed.

Field Screening Analysis

To direct excavation activities, field screening for volatile organic compounds (VOCs) was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. Soil samples were also screened in the field for TPH per United States Environmental Protection Agency (EPA) Method 418.1 using an Infracal Total Oil and Grease (TOG)/ TPH Analyzer. A three-point calibration was completed prior to conducting soil screening. Field screening protocol followed the manufacture's operating procedures. Field screening results are summarized below and in **Appendix B*, Field Notes.***

Sample ID	Date	VOC (ppm)	TPH using USEPA Method 418.1 (ppm)
CS-01	4/18/2022	2,867	Not Analyzed
CS-02	4/18/2022	2,860	Not Analyzed
CS-03	4/18/2022	1,051	Not Analyzed
CS-04	4/18/2022	431	Not Analyzed
CS-05	4/18/2022	0.2	Not Analyzed
CS-06	4/18/2022	1.2	Not Analyzed
CS-07	4/18/2022	34.8	Not Analyzed
CS-08	4/18/2022	22.0	Not Analyzed
CS-09	4/18/2022	18.0	Not Analyzed
CS-10	4/18/2022	2,883	Not Analyzed
CS-11	04/18/2022	2,831	Not Analyzed
CS-12	4/18/2022	2,759	Not Analyzed
CS-13	4/18/2022	2,832	Not Analyzed
CS-14	4/19/2022	1,589	44
CS-15	4/19/2022	57.8	36

Sample ID	Date	VOC (ppm)	TPH using USEPA Method 418.1 (ppm)
CS-16	4/19/2022	2,813	36
CS-17	4/19/2022	71.1	56
CS-18	4/19/2022	89.2	52
CS-19	4/19/2022	2,765	156
CS-20	4/19/2022	2,758	1,624
CS-21	4/19/2022	1,085	108
CS-22	4/20/2022	820	152
CS-23	4/20/2022	652	32
CS-24	4/20/2022	105.2	12
CS-25	4/20/2022	2,798	756
CS-26	4/20/2022	377.5	36
CS-27	4/20/2022	2,795	96
CS-28	4/21/2022	290.4	96
CS-29	4/21/2022	2,830	2,928

The final excavation measured approximately 25 feet long by 20 feet wide by 25 feet deep. Approximately 500 cubic yards of hydrocarbon contaminated soil have been excavated and transported to a NMOCD permitted soil remediation facility for proper disposal.

Confirmation Sampling Activities

Enterprise notified the NMOCD prior to collecting confirmation samples at the site. Confirmation samples were collected on April 21 and April 28, 2022. A total of seventeen (17) five-point composite soil samples were collected from the excavation for laboratory analysis. Samples collected were representative of the walls and base of the excavation. All samples collected were representative of 200 square feet (ft^2) or less. The soil samples were placed into an individual laboratory provided 4-ounce jar, capped head space free, and transported on ice to Envirotech Analytical Laboratory under strict chain of custody. The soil sample locations are illustrated in **Figure 2, *Site Map*** and in **Appendix C*, Site Photography.***

Laboratory Analytical Results

The soil samples were analyzed per analytical methods referenced in *19.15.29.12 NMAC*. Laboratory results indicate soils are contaminated above applicable regulatory standards for TPH, benzene, and total BTEX in two (2) of the seventeen (17) samples (CS-45 and CS-46). These soil samples were collected from the north and west walls at depths representative of 22 to 25 feet bgs. Analytical results are summarized in **Table 1, *Summary of Soil Analytical***

Results and **Appendix D, Laboratory Analytical Report.**

Continued Site Characterization/Delineation

Contaminant concentrations exceeding Tier I standards only exist in the capillary fringe/smear zone with approximately 22 feet of clean overburden material. Therefore, contaminant mass removal by excavating would not continue to be a practicable remediation method. On May 5, 2022, Enterprise proposed, to NMOCD, the application of a hydrogen peroxide solution to the excavation side walls followed by backfilling the excavation with clean fill material. The alternative remediation action was verbally approved by an NMOCD representative on May 5, 2022; please see enclosed **Appendix E, *Regulatory Correspondence***.

Completed Remediation Actions

On May 16, 2022, Envirotech, Unlimited Construction, and Enterprise's earth work contractor arrived on-site to apply the 50% hydrogen peroxide solution to the excavation. Utilizing a hose and sprayer, approximately 210 gallons of the solution was applied to the excavation. During the application process, the excavation was not entered, and an exclusion zone was maintained. The excavation was backfilled with clean fill material no less than 24-hours after the hydrogen peroxide solution was applied. Hydrogen peroxide application activities are documented in the enclosed **Appendix C, *Site Photography*** and the hydrogen peroxide safety data sheet (SDS) is enclosed in **Appendix F, *BioSol HP50 Safety Data Sheet***.

Release Delineation

Enterprise and its contractors will install soil borings and/or groundwater monitoring wells to further delineate the impacted area. Groundwater monitoring wells will be installed pursuant to *19.27.4 NMAC*. The newly installed groundwater monitoring wells will allow for the collection of representative soil and groundwater samples, which will be submitted for laboratory analysis. Sample results will confirm the presence or absence of subject contaminants in groundwater.

Permits and Notifications

Prior to monitoring well installation activities, an *Application for Permit to Drill A Well with No Consumptive Use of Water* will be submitted and approved by the District V Office of the New Mexico Office of the State Engineer (NMOSE).

A project notification will be submitted to NMOCD at least 96 hours prior to installation activities. Additionally, a public underground utility locate request will be submitted to New Mexico 811 prior to the groundwater monitoring installations.

Groundwater Monitoring Well Installation

Enterprise and its contractors will advance soil borings and install groundwater monitoring wells as depicted on **Figure 3, *Proposed Soil Boring/Groundwater Monitori*ng Well *Map***. The monitoring wells will be installed by a New Mexico licensed drilling contractor with environmental

well drilling experience and expertise per *19.27.4 NMAC*. The soil borings will be advanced using a CME-55LC hollow-stem auger (HSA) drilling rig equipped with 4.25-inch augers and a 2-inch by 18-inch split-spoon sampling system.

Field Screening

Field personnel will conduct field screening every 5-feet to evaluate, describe, and record lithology per the Unified Soil Classification System, hydrocarbon vapors, odor, and all other observations pertinent to the geology of the site. Information will be recorded on a field soil boring/monitoring well log form and will be submitted with the final report. Field screening for VOC vapors will be conducted with a PID-OVM. Prior to commencing field screening activities, the PID-OVM will be calibrated with 100 ppm isobutylene gas. The following protocol outlines the steps in which the soil samples will be field screened:

- Use a clean, 32-oz glass jar and half-fill with sample (the volume ratio of soil to air is equal), then immediately seal it using aluminum foil and the jar lid ring. Lightly shake the jar in order to break up any soil clusters. Note: Immediately after opening the split spoon sampler or soil sample liner, transfer soil to field screening jars.
- Allow headspace development for at least 10 minutes in an area that is not exposed to direct sunlight (i.e. vehicle floor heater). Vigorously shake jar for 15 seconds at the beginning and end of the headspace development period.
- After headspace development, introduce the instrument sampling probe through a small opening in the foil seal to a point about one-half of the headspace depth. Keep the probe free of water droplets and soil particles.
- Record the highest meter response on a sampling form. Maximum response usually occurs within about two seconds. Erratic meter response may occur if high organic vapor concentrations or moisture is present. Note any erratic headspace data in the sampling form. Do not collect analytical samples from the jar.

Monitoring Well Construction

Groundwater is anticipated to be encountered at 25 feet bgs. Monitoring wells are anticipated to be installed with the screened interval extending from 20 feet bgs to total depth (35 feet bgs.) A sediment sump will be installed in the lower 2-feet of the well bore (35 to 37 feet bgs).

The groundwater monitoring wells will be constructed in accordance with the New Mexico Environment Department (NMED) Groundwater Quality Bureau (GWQB) *Monitoring Well Construction and Abandonment Guidelines*. The wells will be constructed of 2-inch Schedule 40 PVC threaded flush joint casing with 0.010 slot screen. The screen will be gravel packed with #10-20 Colorado silica sand to 2-feet above the screened interval, followed by an annular seal of hydrated bentonite chips. A flush mount, traffic rated meter box completion will be cemented in place at the surface. A watertight j-plug with capabilities of being locked will be placed on the top of the casing. The wells will be allowed to set for a minimum period of 12-hours, at which time the well will be developed utilizing an alternating pumping and surging technique.

Soil Samples

Two (2) soil samples will be collected from each soil boring for laboratory analysis: one (1) within the vadose zone based on highest VOCs concentration utilizing a PID, visible staining, and/or odor and one (1) from immediately above the static water level. The soil samples will be transported on ice under chain of custody to Envirotech Analytical Laboratory, a National Environmental Laboratory Accreditation Program (NELAP) certified analytical laboratory located in Farmington, New Mexico. Soil samples will be analyzed for the constituents found in *19.15.29.12 NMAC*.

If groundwater is encountered in soil borings not completed as monitoring wells, a grab groundwater sample will be collected from the bore hole using a disposable bailer. The groundwater will be analyzed for VOCs per EPA Method 8260.

Groundwater Monitoring Well Development

The monitoring wells will be developed utilizing an alternating pumping and surging technique using a submersible pump. The wells will then be purged with the pump until purge water is clear (indicating a decrease in turbidity) and water quality parameters (pH, conductivity, and temperature) have stabilized. A Monitor Well Data Form will be used to record the volume of water removed and water quality parameters measured during well development activities.

Stabilization parameters will be monitored utilizing a YSI 556 Multiparameter System (YSI) handheld instrument during the purge sequence. The YSI will be calibrated according to manufacturer specifications prior to each sampling event to ensure the collection of accurate groundwater parameter readings. Parameters and visual/olfactory observations will be recorded on field forms.

Groundwater stabilization is defined as three (3) consecutive readings as described below:

- **Dissolved oxygen (DO)**: less than 0.5 mg/L, 10% if greater than 0.5 g/L;
- **Specific Conductance (EC)**: within 3%;
- **Temperature**: within 3%;
- **pH**: within 0.1 standard units; and
- **Oxidation/Reduction Potential (ORP)**: within 10 millivolts (mV).

Initial field stabilization parameters and water levels will be recorded 1 minute after commencing the purge sequence and at 5-minute intervals thereafter until stabilization is achieved. If stabilization is not achieved within 2 hours of commencing the purging sequence, a full explanation of attempts to achieve stabilization will be recorded on the field form. Final groundwater parameters will be recorded upon stabilization and will be considered representative of aquifer conditions in the vicinity of the groundwater monitoring wells at the time of sample collection. Subsequent of development activities, the well will be left undisturbed

for a minimum of one week prior to collecting samples.

Professional Survey

Upon completion of the monitoring well installation, the new wells will be surveyed by a New Mexico licensed surveyor. An accurate survey is beneficial in monitoring groundwater elevation, determining flow gradient, and alleviates possible locating issues in the future. The top of casing of each well will be surveyed to determine USGS elevation, which will be established to an accuracy of 0.01 feet and tied to a USGS benchmark. The horizontal location of the well will be determined to an accuracy of 0.1 foot. Survey data will be recorded and reported in NAD83 and NAVD88 coordinate datum.

Groundwater Monitoring

The first groundwater monitoring event will be conducted within two (2) weeks of the monitoring well development activities, but a full week will be allowed between development and sampling.

Groundwater Measurements and Water Quality Data

Static water levels and water quality data will be collected prior to collecting samples from the subject monitoring wells. Monitoring wells will be evaluated for security, and serviceability, and suitability for low-flow groundwater sampling technology. Monitoring wells will be provided sufficient time for the static water level to stabilize/equilibrate after each well is opened prior to taking a measurement. Water levels will be measured from the northern bearing side of each well casing using a water level meter and/or interface probe.

Depth to water (from top of casing) will be recorded within 0.01 vertical foot at each well and used to calculate the amount of water in each well. If non-aqueous phase liquid (NAPL) is present, an oil-water interface probe will be used to measure the depth to the top of NAPL and the depth to the top of water. This data will be recorded onto a Monitoring Well Data Form. The presence of NAPL in any of the wells will be reported to the NMOCD.

Once static water levels are collected from the monitoring wells, water quality parameters and samples will be collected from the wells. Water quality data and samples will be collected using low-flow sampling methodology and will follow the defined procedure:

1. Low flow sampling requires a minimum of approximately 1.25-feet of a sustainable water column for sample collection.
2. If the total water column in a monitoring well is below the screened interval, the well will be considered “dry” and a sample will not be collected.
3. If the total water column in a monitoring well is within the screened interval, but less than or equal to 1.25-feet, then the low-flow pump intake will be placed at approximately 0.75-feet above the bottom of the well within the screened interval.
4. If the total water column in a monitoring well is greater than 1.25-feet and below the top

of the screened interval, the low-flow pump intake will be positioned in the center of the water column.

5. If the total water column in a monitoring well is above the screened interval, the low-flow pump intake will be positioned at the center of the well screen.

Real-time stabilization parameters will be monitored utilizing a YSI 556 Multiparameter System (YSI) handheld instrument connected to a flow-through cell during the purge sequence. The YSI will be calibrated according to manufacturer specifications prior to each sampling event to ensure the collection of accurate groundwater parameter readings. Parameters and visual/olfactory observations will be recorded on field forms.

Prior to sample collection, monitoring wells will be purged per EPA *Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells* (2017). The water level within the groundwater monitoring wells will be monitored during the purge sequence to optimize the flow rate and prevent a well drawdown greater than 0.3 feet, adjustments will be made as needed. Final groundwater parameters will be recorded upon stabilization and will be considered representative of aquifer conditions in the vicinity of the groundwater monitoring well at the time of sample collection.

Groundwater Sample Collection

Groundwater sampling will be conducted from all monitoring wells. Samples will be collected at wells without adequate water for stabilization or wells that exhibit excessive drawdown using passive low-flow sampling methodology. Passive low-flow sampling is conducted by purging the volume of the pump bladder and the tubing string (system volume) prior to collecting a sample.

Groundwater Sample Analysis

All groundwater samples will be analyzed for the full suite of VOCs per EPA Method 8260; Cations per EPA Method 6010 (dissolved); Anions including Chloride per EPA Method 300.0. Groundwater samples will be decanted directly into laboratory supplied containers with labels identifying the site name, groundwater monitoring well, sampler, analysis, preservative, date, and time of sample collection. The containers will be immediately placed on ice in a cooler to prevent volatilization of contaminants. Upon completion of the monitoring event, the groundwater samples will be hand-delivered via strict chain-of-custody protocol to Envirotech Analytical Laboratory. For Quality Assurance/Quality Control (QA/QC) purposes, a travel blank will also be analyzed for volatile organics per EPA Method 8260B for each sampling event.

Sampling Equipment Decontamination

The low-flow bladder pump is disassembled and decontaminated prior to sampling and between each well using an Alconox/tap water solution, followed by a tap water and double distilled water rinse. Pump bladders and other disposable pump items are removed, discarded, and replaced between each sample. Dedicated Teflon™-lined, dual-bonded tubing is used for each well and

retained for future sampling events. All one-time-use, disposable equipment is discarded at the completion of each sampling point. New nitrile gloves are donned at each sampling point and at any time cross contamination is a concern.

The water level probe and groundwater-exposed measurement tape will be decontaminated with an Alconox/tap water solution followed by a tap water rinse between each water level measurement per EPA *Field Equipment Cleaning and Decontamination Operating Procedure* (2015).

Final Report

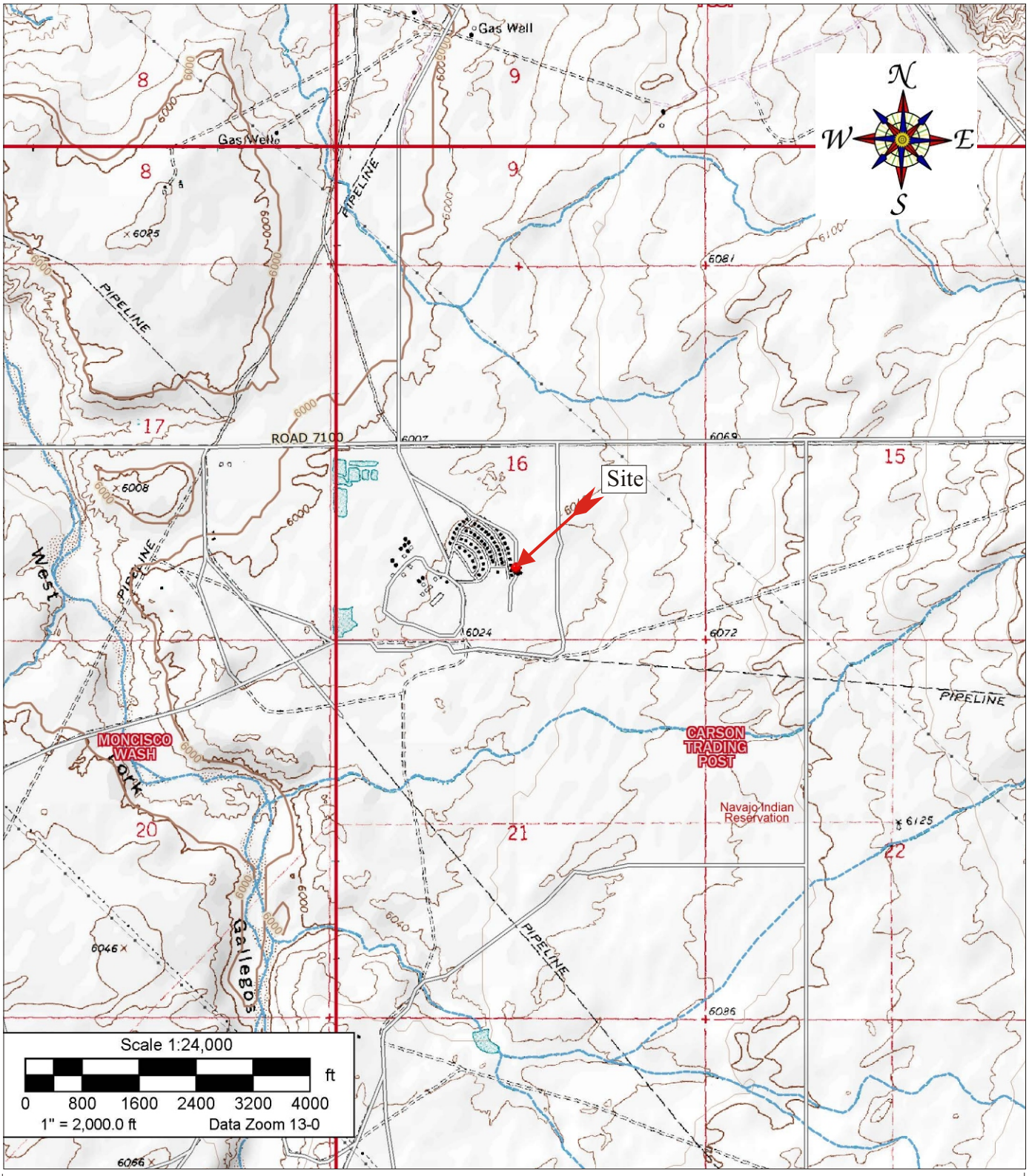
Upon final receipt of all laboratory analytical results, a report will be prepared and submitted to the NMOCD. The report will include, at a minimum, methods and procedures followed during monitor well installation; NMOSE permit documentation; well logs; waste disposal documentation; analytical results; survey calculations; field notes; groundwater gradient maps; contaminant concentration map; and recommendations for continued remediation or site closure.

Figures

Figure 1, *Vicinity Map*

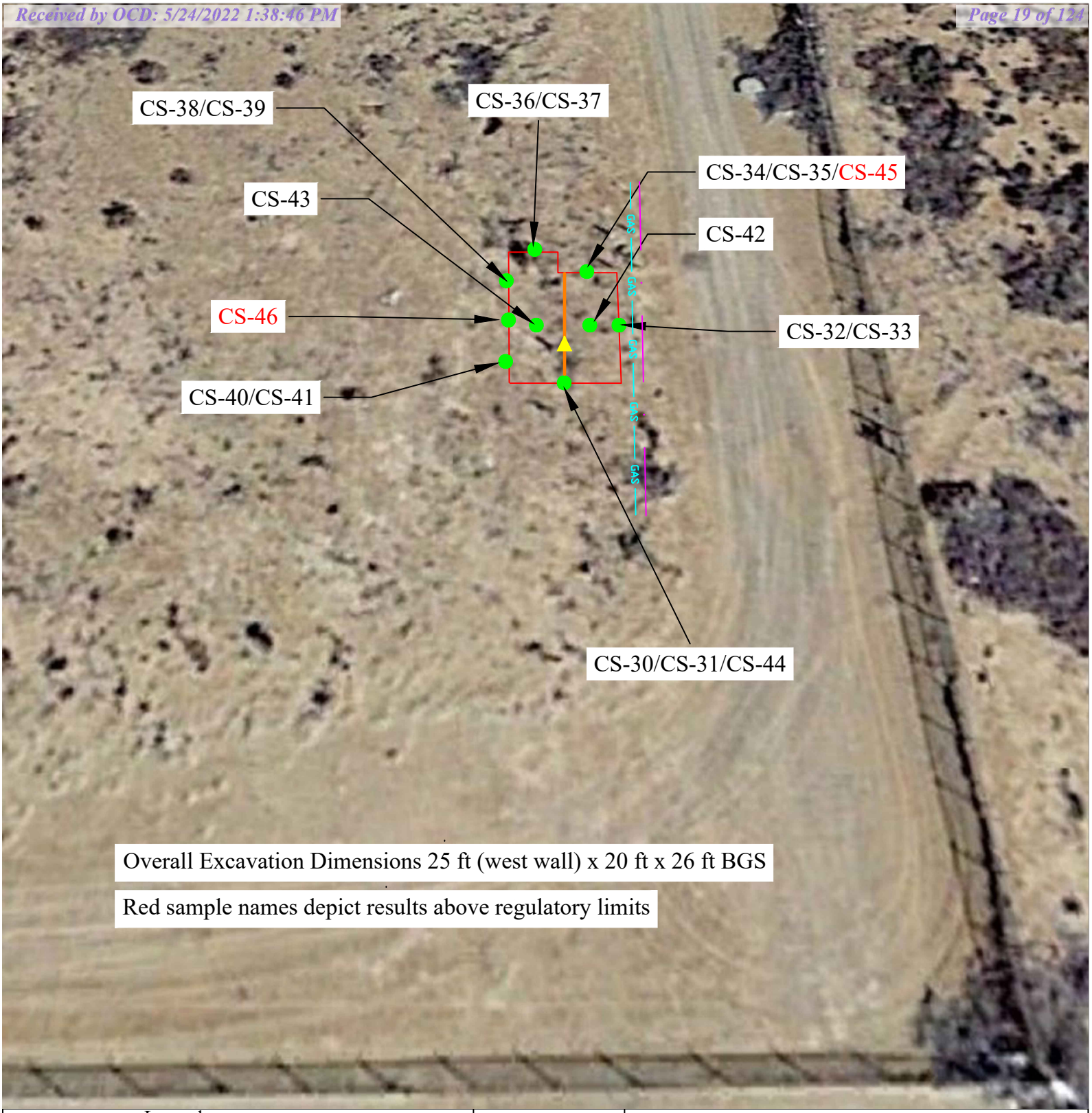
Figure 2, *Site Map*

Figure 3, *Proposed Soil Boring/Groundwater Well Map*



Source: 7.5 Minute, Carson Trading Post, New Mexico U.S.G.S. Topographic Quadrangle Map
Scale: 1:24,000 1" = 2,000

Enterprise Products Remedation Excavation Report Chaco Plant San Juan County, New Mexico 36.483783, -108.117059 Incident #nAAP2202747264	envirotech ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 Farmington, New Mexico 87401 505.632.0615	Vicinity Map Figure #1	
Project Number: 04061-0040 / Date Drawn: 05/23/2022		DRAWN BY: Brittany Hall	PROJECT MANAGER: Greg Crabtree



Legend

- Underground Electrical Line
- Excavation
- Pipeline
- Pipeline Riser
- Five point composite sample locations

CS-30/CS-31/CS-44 - 2 to 4 ft/ 4 to 22 ft/22 to 25 ft

N

envirotech

MAP DRAWN BY: GB 04/25/2022

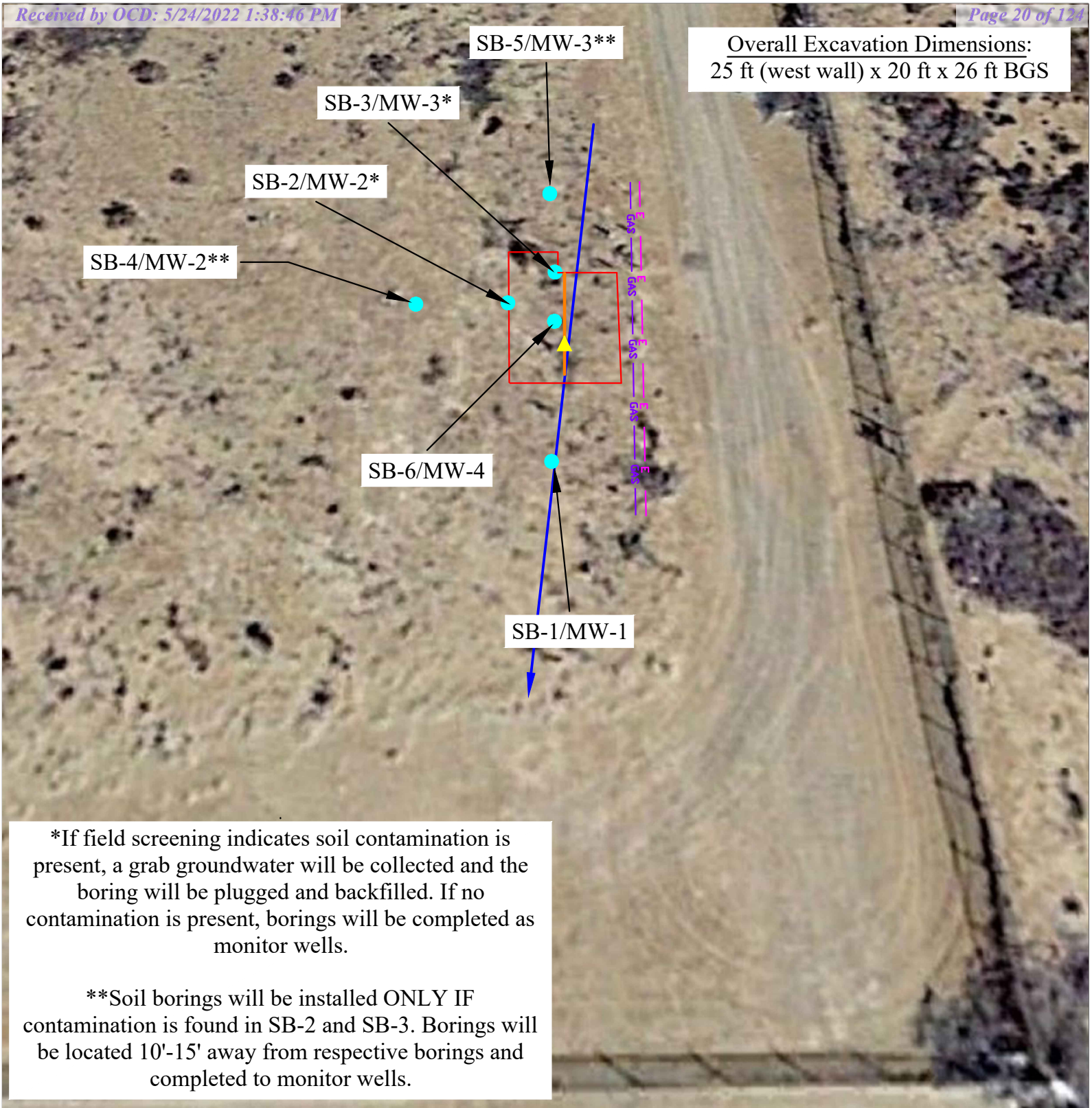
REVISIONS BY: KJCS 5/4/2022

APPROVED BY: NAME DATE

Scale

Figure 2, Site Map

Enterprise Products
Remediation Excavation Report
Chaco Plant
San Juan County, New Mexico
36.483783°, -108.117059°
Incident # nAPP2202747264
Project #04061-0040



*If field screening indicates soil contamination is present, a grab groundwater will be collected and the boring will be plugged and backfilled. If no contamination is present, borings will be completed as monitor wells.

**Soil borings will be installed ONLY IF contamination is found in SB-2 and SB-3. Borings will be located 10'-15' away from respective borings and completed to monitor wells.

Legend

- Excavation
- Pipeline
- Pipeline Riser
- Five point composite sample locations
- Underground Electrical Line
- Anticipated Groundwater Flow Direction

envirotech

MAP DRAWN BY: GB 04/25/2022

REVISIONS BY: BAH 5/23/2022

APPROVED BY: NAME DATE

Scale

Figure 3, Proposed Soil Boring/ Groundwater Monitoring Well Map

Enterprise Products
Remediation Excavation Report
Chaco Plant
San Juan County, New Mexico
36.483783°, -108.117059°
Incident # nAPP2202747264
Project #04061-0040

Tables

Table 1, *Summary of Soil Analytical Results*

Table 1, Summary of Soil Analytical Results
Enterprise Products -Chaco Plant Produced Water Release
Remediation Progress Report
Incident #nAPP2202747264
36.484021, -108.11705
Project #04061-0060

Sample Description	Date	Sample Location (ft)	EPA Method 8015			EPA Method 8021		EPA Method 300.0
			GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	Chlorides (mg/kg)
NMOCD Reclamation Closure Criteria (Table 1 - 19.15.29.12 NMAC)			*100 mg/kg*			*10 mg/kg*	*50 mg/kg*	*600 mg/kg*
CS-13	4/18/2022	Test Pit (22)	**1,610**	<25.0	<50.0	**27.5**	**605.5**	<20.0
CS-30	4/21/2022	South Wall (0 to 4)	<20.0	<25.0	<50.0	<0.025	0.0268	<20.0
CS-31	4/21/2022	South Wall (4 to 20)	<20.0	<25.0	<50.0	<0.025	0.529	<20.0
CS-32	4/21/2022	East Wall (0 to 4)	<20.0	<25.0	<50.0	<0.025	<0.1	31.0
CS-33	4/21/2022	East Wall (4 to 20)	<20.0	<25.0	<50.0	<0.025	<0.1	<20.0
CS-34	4/21/2022	North Wall - NE Quad (0 to 4)	<20.0	<25.0	<50.0	<0.025	<0.1	<20.0
CS-35	4/21/2022	North Wall-NE Quad (4 to 22)	<20.0	<25.0	<50.0	<0.025	<0.1	<20.0
CS-36	4/21/2022	North Wall-NW Quad (0 to 4)	<20.0	<25.0	<50.0	<0.025	<0.1	29.3
CS-37	4/21/2022	North Wall- NW Quad (4 to 22)	48.3	<25.0	<50.0	0.300	16.67	20.2
CS-38	4/21/2022	North West Wall (0 to 4)	<20.0	<25.0	<50.0	<0.025	0.0341	<20.0
CS-39	4/21/2022	North West Wall (4 to 22)	<20.0	<25.0	<50.0	<0.025	<0.1	<20.0
CS-40	4/21/2022	SouthWest Wall (0 to 4)	<20.0	<25.0	<50.0	<0.025	<0.1	<20.0
CS-41	4/21/2022	South West Wall (4 to 22)	<20.0	<25.0	53.9	0.187	<0.1	<20.0
CS-42	4/28/2022	East Base @ 26	<20.0	<25.0	<50.0	0.259	4.309	<20.0
CS-43	4/28/2022	West Base @ 26	<20.0	<25.0	<50.0	0.0283	1.135	<20.0
CS-44	4/28/2022	South Wall (22 to 25)	<20.0	<25.0	<50.0	0.0305	1.209	<20.0
CS-45	4/28/2022	North Wall (22 to 25)	**912**	**35.1**	<50.0	**17.7**	**423.2**	<20.0
CS-46	4/28/2022	West Wall (22 to 25)	**13,000**	**124**	<50.0	**691**	**5,648**	<20.0

Not Used for Closure Criteria
RED - over regulatory standard

Appendix A

Siting Criteria Documentation

envirotech

Practical Solutions for a Better Tomorrow

Site Name:	**Chaco Plant Produced Water Spill**			
API #/Incident #	nAPP2202747264			
Lat/Long:	36.484021, -108.11705			
TRS:	Unit E, Section 16, T26N, R12W			
Land Jurisdiction:	Private			
County:	San Juan			
Wellhead Protection Area Assessment				
Water Source Type (well/spring/stock pond)	**ID**	**Latitude**	**Longitude**	**Distance**
Distance to Nearest Significant Watercourse				
2,376 feet to unnamed tributary northeast of spill location				
Depth to Groundwater Determination				
Cathodic Report/Site Specific Hydrogeology				
Elevation Differential				
Water Wells	Groundwater monitoring wells on site indicate groundwater is less than 20 feet bgs			
Sensitive Receptor Determination				
<300' of any continuously flowing watercourse or any other significant watercourse				No
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water				No
<300' of an occupied permanent residence, school, hospital, institution or church				No
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes				No
<1000' of any water well or spring				No
Within incorporated municipal boundaries or within a defined municipal fresh water well				No
<300' of a wetland				No
Within the area overlying a subsurface mine				No
Within an unstable area				No
Within a 100-year floodplain				No
DTW Determination	**≤50** ☑	**50-100** ☐	**>100** ☑	
Benzene	**10**	**10**	**10**	
BTEX (mg/kg)	**50**	**50**	**50**	
8015 TPH (GRO/DRO) (mg/kg)	**Not Applicable**	**1,000**	**1,000**	
8015 TPH (GRO/DRO/MRO) (mg/kg)	**100**	**2,500**	**2,500**	
Chlorides (mg/kg)	**600**	**10,000**	**20,000**	

ENSOLUM

TABLE 4
Chaco Plant 3 Phase Separator (7/22/20)
GROUNDWATER ELEVATIONS

Well I.D.	Date	Depth to Product (feet BTOC)	Depth to Water (feet BTOC)	Product Thickness	Total Well Depth (feet BTOC)	Screen Interval (feet BTOC)	TOC Elevations (feet AMSL)	Groundwater Elevation (feet AMSL)
EW-1	8.6.21	ND	12.29	ND	20	10-20	6026.96	6014.67
EW-2	8.6.21	ND	12.27	ND	20	10-20	6026.78	6014.51
EW-3	8.6.21	ND	13.55	ND	20	10-20	6028.28	6014.73
EW-4	8.6.21	ND	12.14	ND	20	10-20	6026.83	6014.69

Notes:

Monitoring wells surveyed in September 2021

BTOC - below top of casing

AMSL - above mean sea level

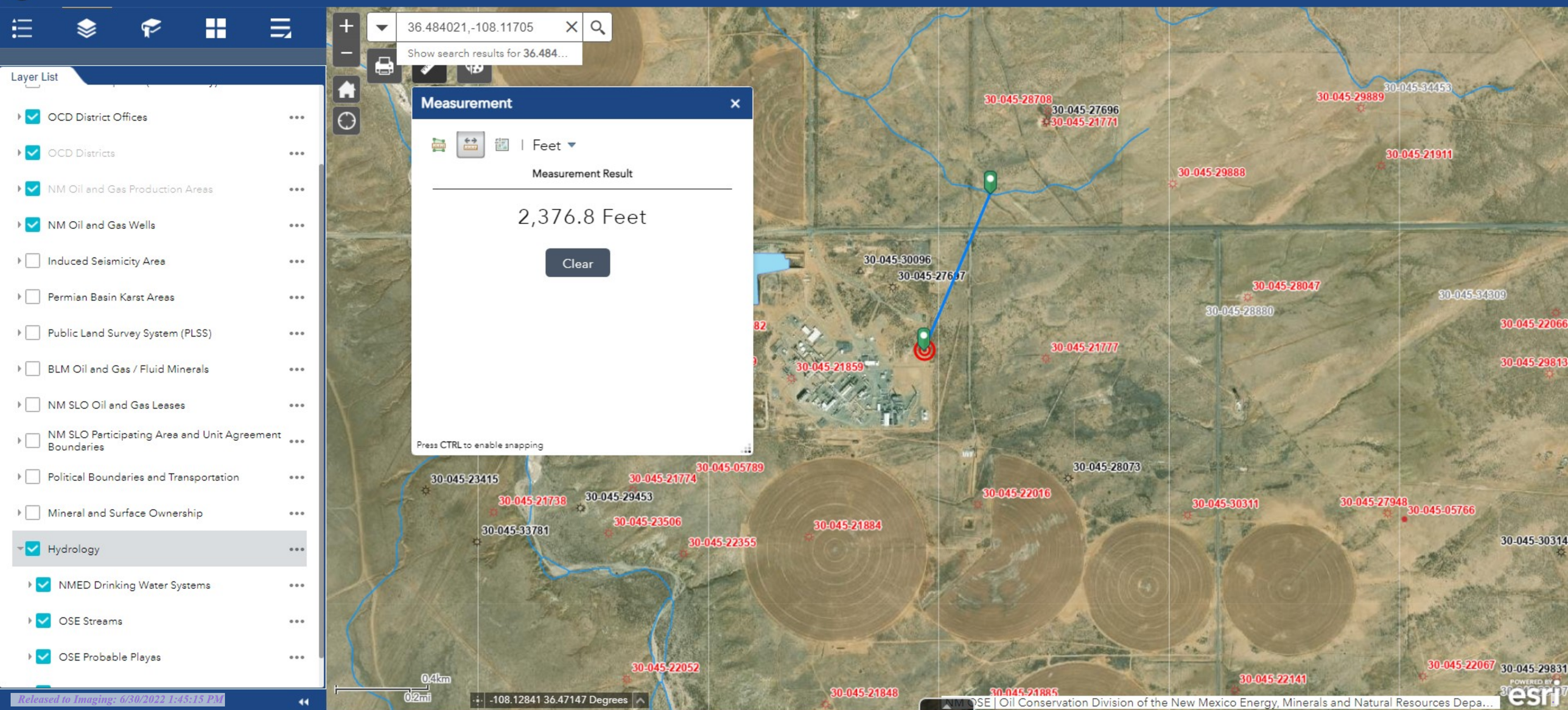
TOC - top of casing

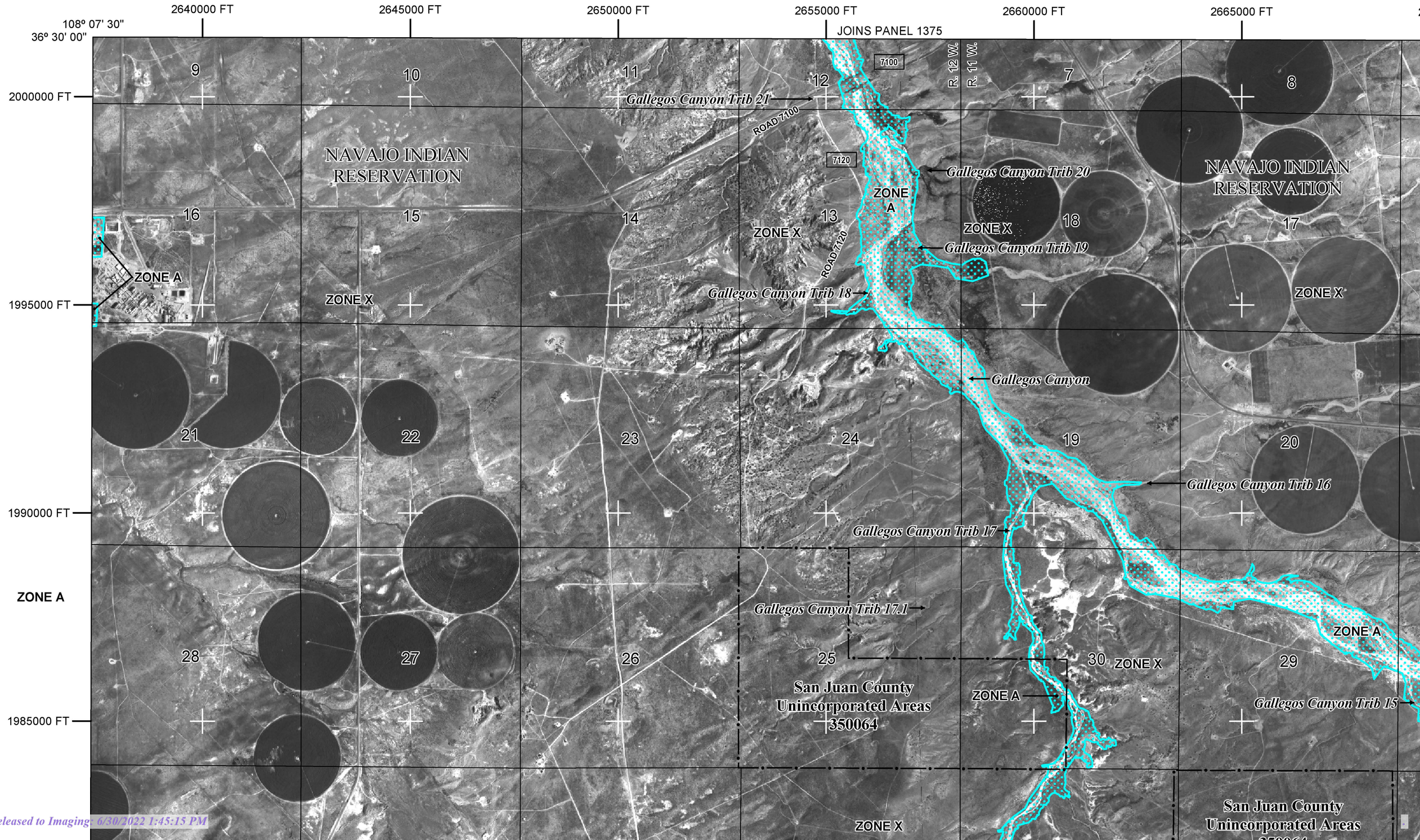
New Mexico Office of the State Engineer
Wells with Well Log Information

No wells found.

PLSS Search:

Section(s): 16 **Township:** 26N **Range:** 12W


36.484021,-108.11705
Show search results for 36.484...
Layer List
OCD District Offices
OCD Districts
NM Oil and Gas Production Areas
NM Oil and Gas Wells
Induced Seismicity Area
Permian Basin Karst Areas
Public Land Survey System (PLSS)
BLM Oil and Gas / Fluid Minerals
NM SLO Oil and Gas Leases
NM SLO Participating Area and Unit Agreement Boundaries
Political Boundaries and Transportation
Mineral and Surface Ownership
Hydrology
NMED Drinking Water Systems
OSE Streams
OSE Probable Playas
Measurement
Feet
Measurement Result
2,376.8 Feet
Clear
Press CTRL to enable snapping
30-045-28708
30-045-27696
30-045-21771
30-045-29889
30-045-34453
30-045-21911
30-045-29888
30-045-30096
30-045-27697
30-045-28047
30-045-28880
30-045-34309
30-045-22066
30-045-21777
30-045-21859
30-045-29813
30-045-05789
30-045-23415
30-045-21774
30-045-21738
30-045-29453
30-045-33781
30-045-23506
30-045-22355
30-045-28073
30-045-22016
30-045-21884
30-045-30311
30-045-27948
30-045-05766
30-045-30314
30-045-22052
30-045-21848
30-045-22141
30-045-22067
30-045-29831
0.4km
0.2mi
-108.12841 36.47147 Degrees
NM OSE | Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Depa...
esri


2640000 FT
2645000 FT
2650000 FT
2655000 FT
2660000 FT
2665000 FT
108º 07' 30"
36º 30' 00"
2000000 FT
1995000 FT
1990000 FT
1985000 FT
JOINS PANEL 1375
7100
7120
R. 12 W.
R. 11 W.
ROAD 7100
ROAD 7120
Gallegos Canyon Trib 21
Gallegos Canyon Trib 20
Gallegos Canyon Trib 19
Gallegos Canyon Trib 18
Gallegos Canyon
Gallegos Canyon Trib 16
Gallegos Canyon Trib 17
Gallegos Canyon Trib 17.1
Gallegos Canyon Trib 15
NAVAJO INDIAN RESERVATION
NAVAJO INDIAN RESERVATION
ZONE A
ZONE X
ZONE A
ZONE X
ZONE X
ZONE A
ZONE X
ZONE A
ZONE A
ZONE X
ZONE X
San Juan County Unincorporated Areas 350064
San Juan County Unincorporated Areas
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Appendix B

Field Notes

CLIENT: Enterprise	envirotech	Envmtl. Spclst: GB	
CLIENT/JOB #: 04061-0040	505-632-0615 | 1-800-362-1879	Onsite:	Offsite:
START DATE: 4-18-22	5796 US Highway 64	LAT: 36.483796°	
FINISH DATE:	Farmington, NM 87401	LONG: -108.117070	
Page # 1 of 2			

LOCATION: Name: Chaco Plant Well #: API:
County: San Juan State: NM HWY-MM:
Cause of Release: Material Released: Amt. Released:
QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: FT. FROM
Excavation Approx: 25 FT. X 10 FT. X 11 FT. Volume (cy/tons):
Disposal Facility:
Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:
ADDITIONAL CLOSURE REQUIREMENTS:

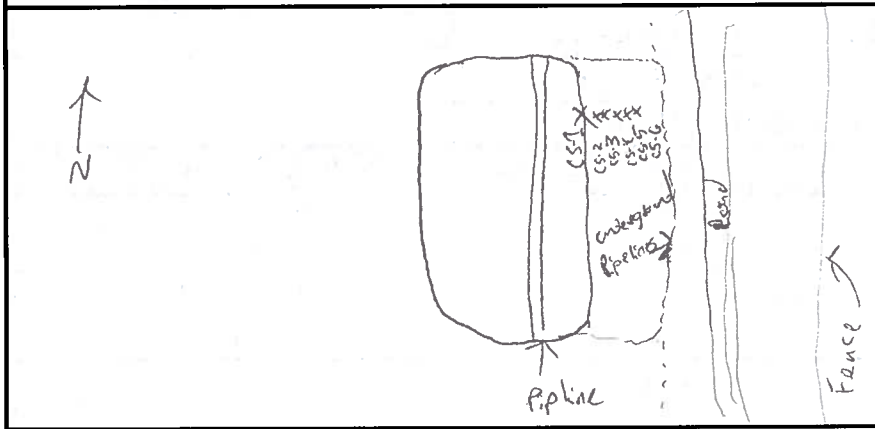
			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
~~CS-01~~ CS01	9:34	2' from top on east wall	~~9:56~~	2867					
~~CS-02~~	~~9:42~~	~~grab at 8' on east wall~~							
CS02	10:05	2' from surface on east wall	10:17	2860					
CS-03	10:21	2' from surface on east wall	10:36	~~1051~~					
CS-04'	10:54	2' from surface on east wall	11:09	431					
CS-05	11:07	2' from surface	11:18	0.2					
CS-06	11:26	on east wall 2' below surface	11:38	1.2					

NOTES: *Include laboratory analysis information*

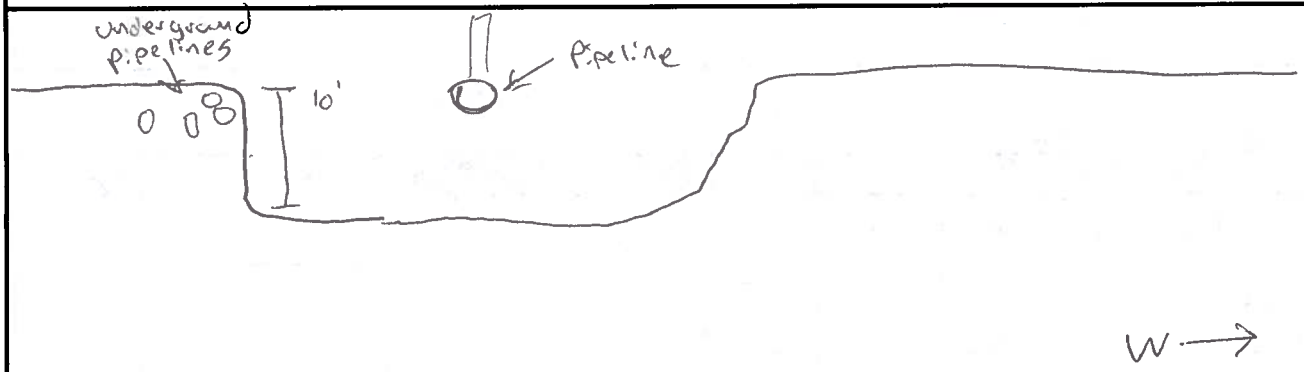
CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

Field Screening for test Trench

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*



EXCAVATION OVERVIEW:



EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Revised 6/14/2021

CLIENT: Enterprise	envirotech	Envmtl. Spclst: GR	
CLIENT/JOB #: 04061-0040	505-632-0615 | 1-800-362-1879	Onsite:	Offsite:
START DATE: 4-18-22	5796 US Highway 64	LAT: 36.483796°	
FINISH DATE:	Farmington, NM 87401	LONG: -108.117070°	
Page # 2 of 2			

LOCATION: Name: Chaco Plant Well #: API:
County: San Juan State: NM HWY-MM:
Cause of Release: Material Released: Amt. Released:
QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: FT. FROM
Excavation Approx: FT. X FT. X FT. Volume (cy/tons):
Disposal Facility:
Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:
ADDITIONAL CLOSURE REQUIREMENTS:

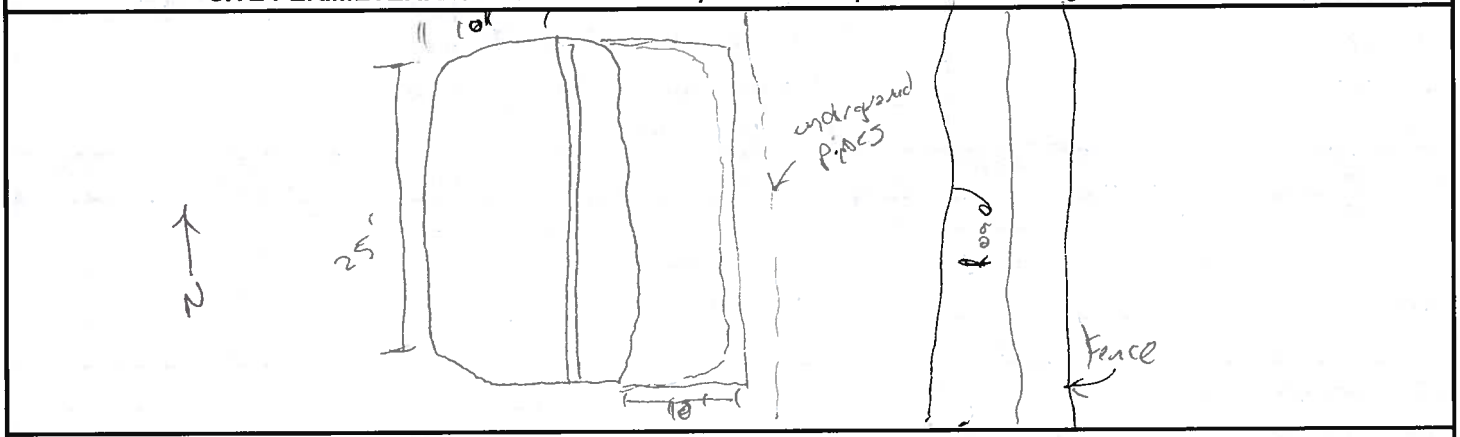
			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-07	12:47	East wall 5' Below Surface	1302	34.8					
CS-08	12:53	South wall 5' Below Surface	13:07	22.0					
CS-09	12:59	North wall 5' Below Surface	13:15	18.0					
CS-10	13:11	Base Sample 2' Below Base	13:24	2883					
CS-11	13:31	Base Sample 4' Below Base	13:46	2831					
CS-12	13:43	Base sample 6' Below Base	13:59	2759					
~~CS-13~~	~~13:53~~	~~Base Sample 8' Below Base~~							
CS-13	14:40	Base sample 12' Below Base overall 22' BGS	14:52	2832	17:30	62	248		

NOTES: *Include laboratory analysis information*

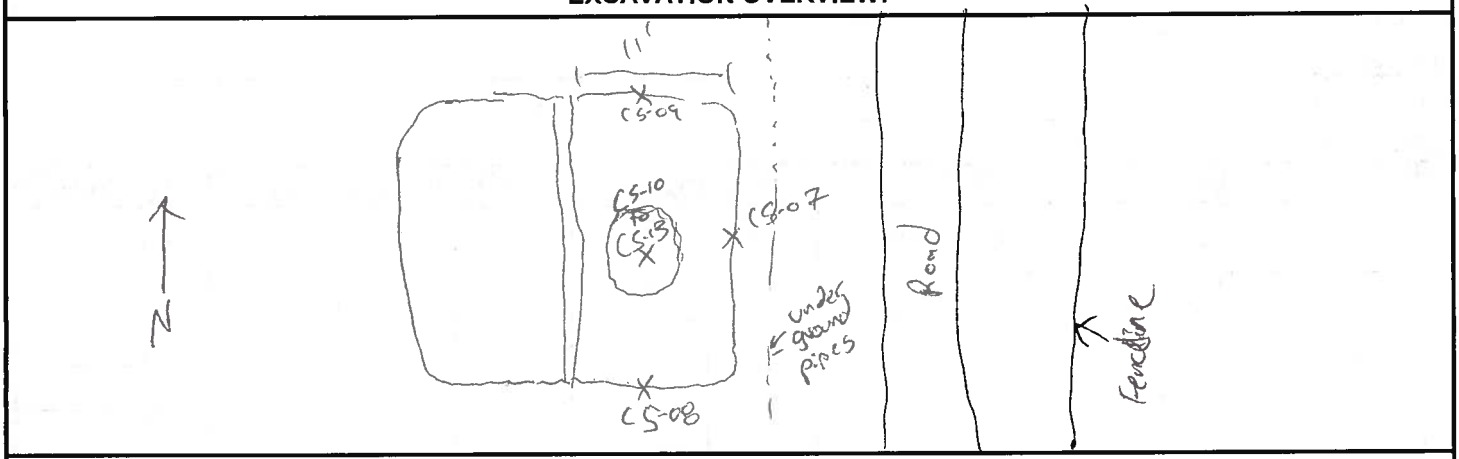
CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

Field Screening for new excavation east side of pipeline, Sampled CS-13 for TPH, BTEX, and Chlorides.

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

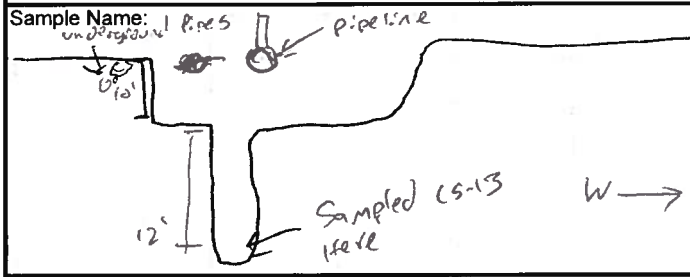


EXCAVATION OVERVIEW:



EXCAVATION PROFILE VIEWS:

Sample Name: underground pipes pipeline



Sample Name:

Sample Name:

Sample Name:

Revised 6/14/2021

CLIENT: Enterprise	envirotech		Envmtl. Spclst: GB
CLIENT/JOB #: 04061-0040			Onsite: Offsite:
START DATE: 4-19-22	505-632-0615 | 1-800-362-1879		LAT:
FINISH DATE:	5796 US Highway 64		LONG:
Page # ____ of ____	Farmington, NM 87401		

LOCATION: Name: Chaco Plant Well #: API:
County: San Juan State: NM HWY-MM:
Cause of Release: Material Released: Amt. Released:
QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: ____ FT. FROM
Excavation Approx: 25 FT. X 11 FT. X 24 FT. Volume (cy/tons):
Disposal Facility:
Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:
ADDITIONAL CLOSURE REQUIREMENTS:

			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
~~GBCS-01~~ CS-14	10:07	North wall at 5' BGS	11:02	1589	12:05	11	44		
~~GBCS-02~~ CS-15	10:08	North wall at 18' BGS	11:05	57.8	12:12	09	36		
~~GBCS-03~~ CS-16	10:27	East wall at 5' BGS	11:08	2813	12:15	09	36		
~~GBCS-04~~ CS-17	10:37	East wall at 18' BGS	11:11	71.1	1:20	14	56		
~~GBCS-05~~ CS-18	10:40	South wall at 5' BGS	11:12	89.2	13:23	13	52		
~~GBCS-06~~ CS-19	10:42	South wall at 20' BGS	11:14	2765	13:25	39	156		
CS-20	13:12	Base 24' Below stick up	13:51	2758	14:15	406	1624		
CS-21	14:15	NW Quad Base at 10ft	16:10	1085	15:41	27	108		

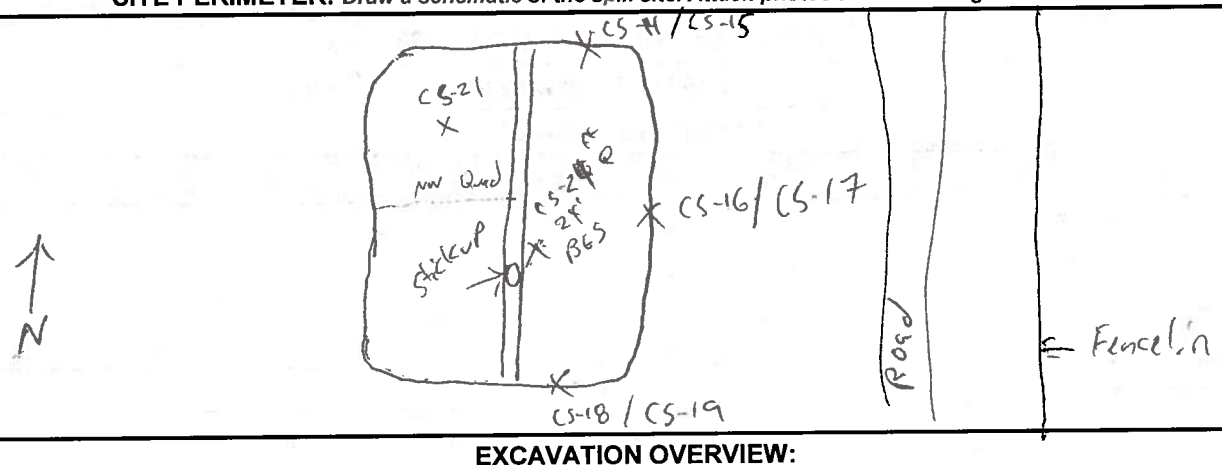
NOTES: *Include laboratory analysis information*

CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

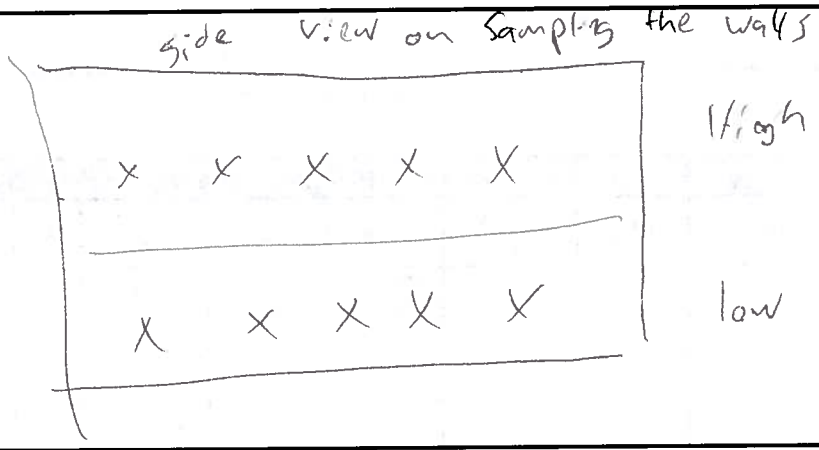
Field Screening new excavation ran North, East, South, NE & Southeast Quad and North west Quad (debris)

Revised 6/14/2021

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*



EXCAVATION OVERVIEW:



EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Revised 6/14/2021

CLIENT: Enterprise	envirotech		Envmtl. Spclst: GR
CLIENT/JOB #: 04061-0040	505-632-0615 | 1-800-362-1879		Onsite: Offsite:
START DATE: 4-20-22	5796 US Highway 64		LAT:
FINISH DATE:	Farmington, NM 87401		LONG:
Page # 1 of 9			

LOCATION: Name: Well #: API:

County: State: HWY-MM:

Cause of Release: Material Released: Amt. Released:

QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: FT. FROM

Excavation Approx: 24 FT. X 25 FT. X 12 FT. Volume (cy/tons):

Disposal Facility:

Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:

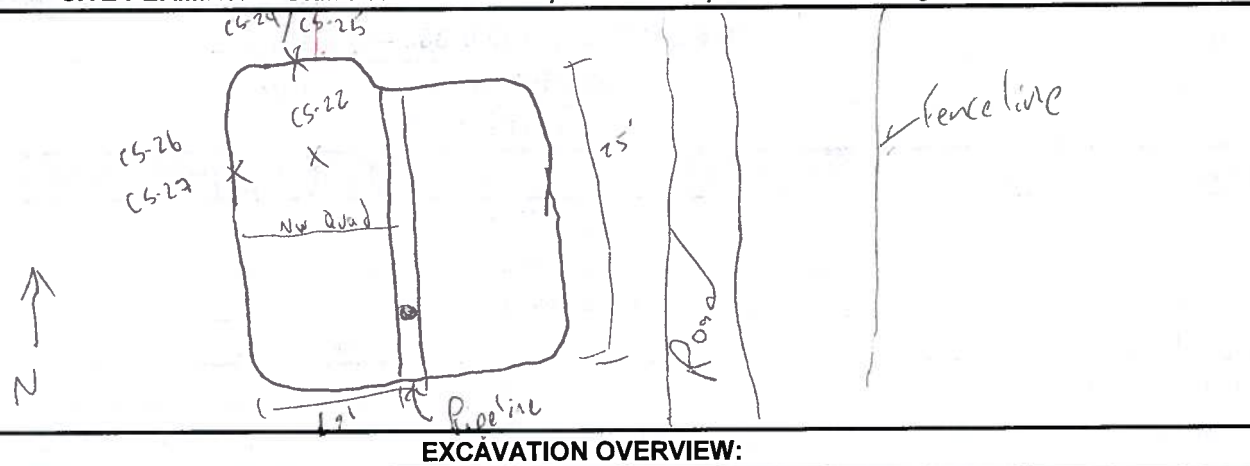
ADDITIONAL CLOSURE REQUIREMENTS:

			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-22	09:03	NW Quad at 4' BGS/Base	09:18	820	10:07	30	152		
CS-23	10:25	NW Quad at 20' BGS/Base	10:39 ~~10:25~~	652	10:48	08	32		
CS-24	11:25	NW Quad 4' BGS ~~West~~ wall	12:48	105.2	13:04	03	12		
CS-25	11:30	NW Quad/ 24' BGS North wall	12:49	2798	13:07	189	756		
CS-26	11:40	NW Quad/ 4' BGS ~~East~~ West wall	13:00	377.5	13:10	09	36		
CS-27	11:45	NW Quad 24' BGS ~~East~~ West wall	13:01	2795	13:13	21	96		

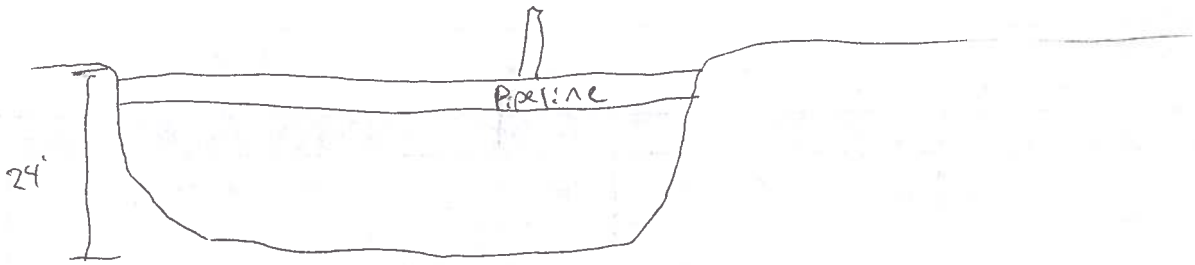
NOTES: *Include laboratory analysis information*

CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

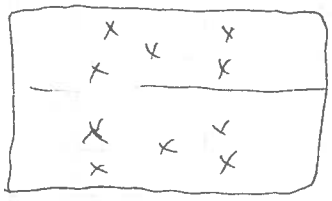


EXCAVATION OVERVIEW:



EXCAVATION PROFILE VIEWS:

Sample Name: excavation wall



* 5 pt Composite sample

Sample Name:

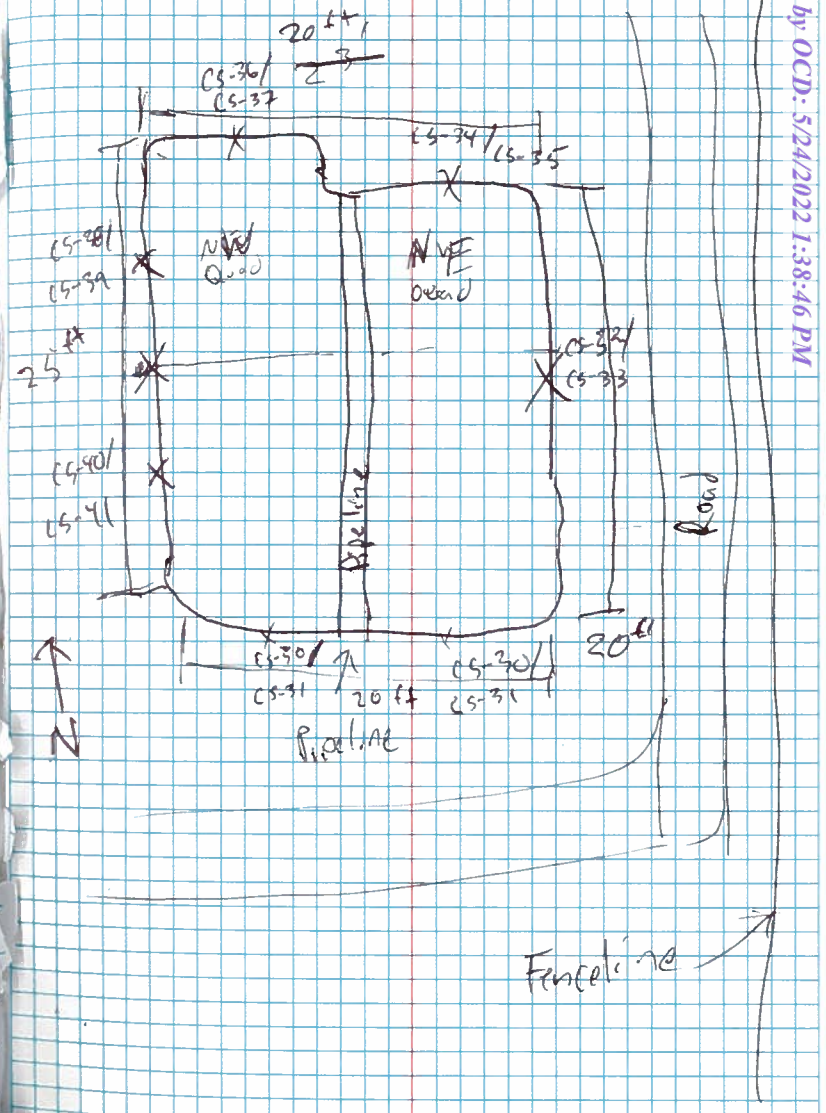
Sample Name:

Sample Name:

Sample ID	Time	~~Sample ID~~	Description
CS-30	13:44	South Wall	High
CS-31	13:57	South wall	Low
CS-32	14:04	East Wall	High
CS-33	14:08	East wall	low
CS-34	14:11	North wall (NE Quad)	High
CS-35	14:15	North wall (NE Quad)	Low
CS-36	14:18	North wall (NW Quad)	High
CS-37	14:22	North wall (NW Quad)	Low
CS-38	14:37	west wall (North side)	High
CS-39	14:38	west wall (North side)	Low
CS-40	14:40	West Wall (South side)	High
CS-41	14:42	West wall (South S.)	Low

Chaco Plant

4-21-2022



CLIENT: Enterprise Envirotech	envirotech		Envmtl. Spclst: GB
CLIENT/JOB #: 04061-0040			Onsite: Offsite:
START DATE: 4-21-22	505-632-0615 | 1-800-362-1879		LAT: 36.483783°
FINISH DATE:	5796 US Highway 64		LONG: -108.117059°
Page # ____ of ____	Farmington, NM 87401		

LOCATION: Name: Blanco Plant Well #: API:

County: San Juan State: NM HWY-MM:

Cause of Release: Material Released: Amt. Released:

QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: ____ FT. FROM

Excavation Approx: 25 FT. X 20 FT. X 20 FT. Volume (cy/tons):

Disposal Facility:

Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:

ADDITIONAL CLOSURE REQUIREMENTS:

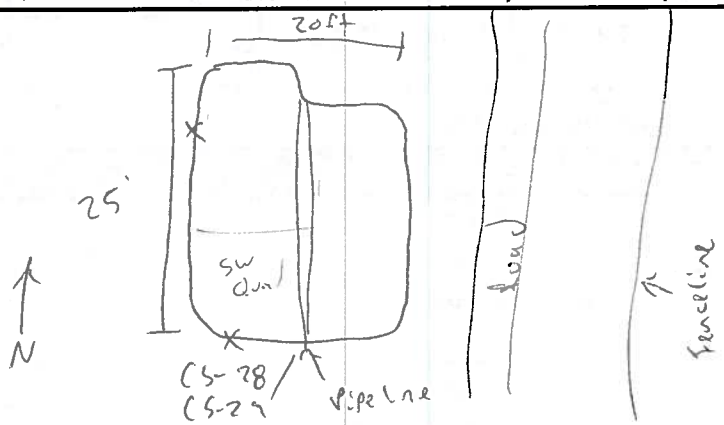
			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-28	8:38AM	SW Quad 1'-4' BGS South wall	09:09	290.4	11:21	24	96		
CS-29	8:41AM	SW Quad 20'-24' BGS South wall	09:11	2830	13:33	732	~~2,928~~ 732 EA		
CS-30	13:44	South Wall High (1to10')							
CS-31	13:57	South Wall low (11-20')							
CS-32	14:04	East wall high (1-10')							
CS-33	14:08	East wall low (11-20')							
CS-34	14:11	North wall (NE Quad) High							
CS-35	14:15	North Wall (NE Quad) low							
CS-36	14:18	North wall (NW Quad) High							
CS-37	14:22	North wall (NW Quad) low							
CS-38	14:37	West Wall North Side (High							

NOTES: *Include laboratory analysis information*

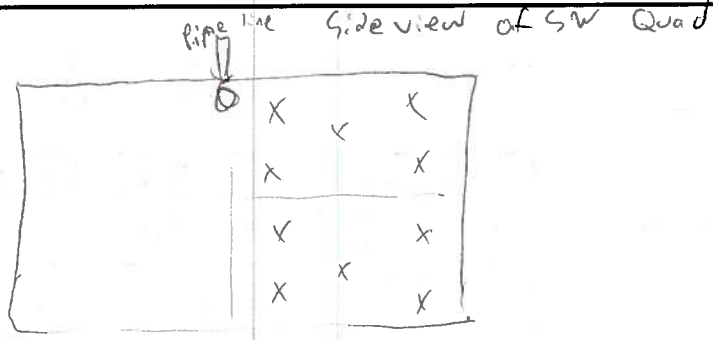
CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

- Collected Soil Samples from CS-30 to CS-41

SITE PERIMETER: ***Draw a schematic of the spill site. Attach photos and other diagrams as needed.***



EXCAVATION OVERVIEW:



EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Revised 6/14/2021

CLIENT: Enterprise	envirotech		Envmtl. Spclst: GB
CLIENT/JOB #: 04061-0640	505-632-0615 | 1-800-362-1879		Onsite: Offsite:
START DATE: 4-21-22	5796 US Highway 64		LAT: 36, 483 783°
FINISH DATE:	Farmington, NM 87401		LONG: -108.117 059°
Page # ____ of ____			

LOCATION: Name: _____ Well #: _____ API: _____

County: _____ State: _____ HWY-MM: _____

Cause of Release: _____ Material Released: _____ Amt. Released: _____

QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: _____ FT. FROM _____

Excavation Approx: _____ FT. X _____ FT. X _____ FT. Volume (cy/tons): _____

Disposal Facility: _____

Land Use: Land Owner:

REGULATORY AGENCY: _____ TPH CLOSURE STD: _____

ADDITIONAL CLOSURE REQUIREMENTS:

			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-39	14:38	west wall (North Side) Low							
CS-40	14:40	west wall (South Side) High							
CS-41	14:42	west wall (South Side) low							

NOTES: *Include laboratory analysis information*

CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

- Collected Soil Samples from CS-30 to CS-41

CLIENT: Enterprise	envirotech		Envmtl. Spclst: GB
CLIENT/JOB #: D4061-0060			Onsite: 1448 Offsite: 15:45
START DATE: 4/28/22	505-632-0615 | 1-800-362-1879		LAT:
FINISH DATE:	5796 US Highway 64		LONG:
Page # ____ of ____	Farmington, NM 87401		

LOCATION: Name: Chaco Plant Well #: API:

County: State: HWY-MM:

Cause of Release: Material Released: Amt. Released:

QUAD/UNIT: SEC: TWP: RNG: PM:

Spill Located Approximately: ____ FT. FROM

Excavation Approx: 25 FT. X 20 FT. X 25 FT. Volume (cy/tons):

Disposal Facility:

Land Use: Land Owner:

REGULATORY AGENCY: TPH CLOSURE STD:

ADDITIONAL CLOSURE REQUIREMENTS:

			VOC		TPH (Method 418.1)			Chloride	
SAMPLE NAME	TIME COLLECTED	DESCRIPTION	TIME	PID/OV ppm	TIME	READING	CALC ppm	TIME	mg/kg
CS-42	15:19	EAST BASE @ 26'							
CS-43	15:23	WEST BASE @ 26'							
CS-44	15:26	South Wall (22' to 25')							
CS-45	15:29	NORTH WALL (22 to 25')							
CS-46	15:31	West WALL (22 to 25')							

NOTES: *Include laboratory analysis information*

CS-COMPOSITE SAMPLE
GS-GRAB SAMPLE
SB-SOIL BORING
TP-TEST PIT
DU- DECISION UNIT
ST-STATION

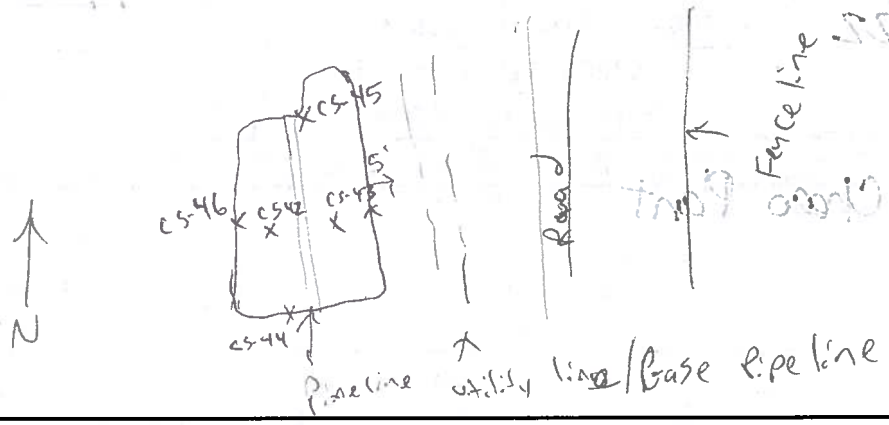
East wall 22 to 25 no sample due to pipeline integrity &

no change in lateral dimensions excavation deepened from 4/21/22 benches created on west & south side to reach base @ 26'

Utility line and gas line 5ft east of West Wall

Revised 6/14/2021

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*

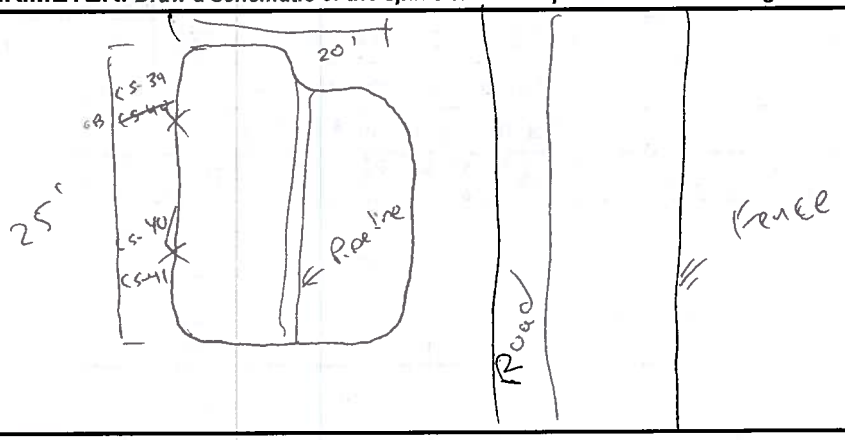


EXCAVATION OVERVIEW:

EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

SITE PERIMETER: *Draw a schematic of the spill site. Attach photos and other diagrams as needed.*



EXCAVATION OVERVIEW:

EXCAVATION PROFILE VIEWS:

Sample Name:	Sample Name:
Sample Name:	Sample Name:

Revised 6/14/2021

Appendix C

Site Photography

Site Photography
Enterprise Products
Remediation Prgress Report
Chaco Plant Produced Water Spill
San Juan, New Mexico
Incident ID: nAPP2202747264

Picture 1: Excavation (View 1)

Picture 2: Excavation (View 2)

Site Photography
Enterprise Products
Remediation Prgress Report
Chaco Plant Produced Water Spill
San Juan, New Mexico
Incident ID: nAPP2202747264

May 16, 2022

Picture 3: Hydrogen Peroxide Application (View 1)

Picture 4: Hydrogen Peroxide Application (View 2)

Site Photography
Enterprise Products
Remediation Prgress Report
Chaco Plant Produced Water Spill
San Juan, New Mexico
Incident ID: nAPP2202747264

Picture 5: Hydrogen Peroxide Application (View 3)

Picture 6: Hydrogen Peroxide Application (View 4)

Appendix D

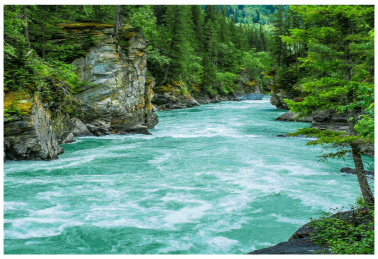
Laboratory Analytical Reports

envirotech

Practical Solutions for a Better Tomorrow

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enterprise Products

Project Name: Chaco Plant

Work Order: E204090

Job Number: 04061-0040

Received: 4/18/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/20/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/20/22

Greg Crabtree
614 Reilly Ave
Farmington, NM 87401

Project Name: Chaco Plant
Workorder: E204090
Date Received: 4/18/2022 4:47:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/18/2022 4:47:00PM, under the Project Name: Chaco Plant.

The analytical test results summarized in this report with the Project Name: Chaco Plant apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	04/20/22 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-13	E204090-01A	Soil	04/18/22	04/18/22	Glass Jar, 4 oz.

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/20/2022 3:49:35PM

CS-13

E204090-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217002
Benzene	**27.5**	0.500	20	04/19/22	04/19/22	
Ethylbenzene	**29.0**	0.500	20	04/19/22	04/19/22	
Toluene	**308**	0.500	20	04/19/22	04/19/22	
o-Xylene	**49.0**	0.500	20	04/19/22	04/19/22	
p,m-Xylene	**192**	1.00	20	04/19/22	04/19/22	
Total Xylenes	**241**	0.500	20	04/19/22	04/19/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.8 %*	*70-130*	*04/19/22*	*04/19/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217002
Gasoline Range Organics (C6-C10)	**1610**	400	20	04/19/22	04/19/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*93.6 %*	*70-130*	*04/19/22*	*04/19/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AK			Batch: 2217007
Diesel Range Organics (C10-C28)	ND	25.0	1	04/19/22	04/19/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/19/22	04/19/22	
Surrogate: n-Nonane		*92.0 %*	*50-200*	*04/19/22*	*04/19/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2217004
Chloride	ND	20.0	1	04/19/22	04/19/22	

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/20/2022 3:49:35PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217002-BLK1)									Prepared: 04/19/22 Analyzed: 04/20/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.71*		*8.00*		*96.4*	*70-130*			
LCS (2217002-BS1)									Prepared: 04/19/22 Analyzed: 04/19/22
Benzene	4.74	0.0250	5.00		94.9	70-130			
Ethylbenzene	4.56	0.0250	5.00		91.2	70-130			
Toluene	4.75	0.0250	5.00		95.0	70-130			
o-Xylene	4.77	0.0250	5.00		95.4	70-130			
p,m-Xylene	9.40	0.0500	10.0		94.0	70-130			
Total Xylenes	14.2	0.0250	15.0		94.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.41*		*8.00*		*105*	*70-130*			
LCS Dup (2217002-BSD1)									Prepared: 04/19/22 Analyzed: 04/19/22
Benzene	4.93	0.0250	5.00		98.5	70-130	3.76	20	
Ethylbenzene	4.71	0.0250	5.00		94.2	70-130	3.18	20	
Toluene	4.92	0.0250	5.00		98.5	70-130	3.54	20	
o-Xylene	4.92	0.0250	5.00		98.4	70-130	3.13	20	
p,m-Xylene	9.70	0.0500	10.0		97.0	70-130	3.12	20	
Total Xylenes	14.6	0.0250	15.0		97.5	70-130	3.12	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/20/2022 3:49:35PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217002-BLK1)									Prepared: 04/19/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.2*	*70-130*			
LCS (2217002-BS2)									Prepared: 04/19/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0		94.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.28*		*8.00*		*91.0*	*70-130*			
LCS Dup (2217002-BSD2)									Prepared: 04/19/22 Analyzed: 04/20/22
Gasoline Range Organics (C6-C10)	52.0	20.0	50.0		104	70-130	9.36	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.12*		*8.00*		*89.0*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/20/2022 3:49:35PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217007-BLK1)									Prepared: 04/19/22 Analyzed: 04/19/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*43.9*		*50.0*		*87.8*	*50-200*			
LCS (2217007-BS1)									Prepared: 04/19/22 Analyzed: 04/19/22
Diesel Range Organics (C10-C28)	491	25.0	500		98.2	38-132			
Surrogate: n-Nonane	*46.9*		*50.0*		*93.9*	*50-200*			
Matrix Spike (2217007-MS1)				**Source: E204089-02**					Prepared: 04/19/22 Analyzed: 04/19/22
Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.8	38-132			
Surrogate: n-Nonane	*44.7*		*50.0*		*89.5*	*50-200*			
Matrix Spike Dup (2217007-MSD1)				**Source: E204089-02**					Prepared: 04/19/22 Analyzed: 04/19/22
Diesel Range Organics (C10-C28)	487	25.0	500	ND	97.4	38-132	1.69	20	
Surrogate: n-Nonane	*47.2*		*50.0*		*94.4*	*50-200*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/20/2022 3:49:35PM

Anions by EPA 300.0/9056A

Analyst: CS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217004-BLK1)									Prepared: 04/19/22 Analyzed: 04/19/22
Chloride	ND	20.0							
LCS (2217004-BS1)									Prepared: 04/19/22 Analyzed: 04/19/22
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2217004-MS1)				**Source: E204083-01**					Prepared: 04/19/22 Analyzed: 04/19/22
Chloride	298	20.0	250	48.8	99.8	80-120			
Matrix Spike Dup (2217004-MSD1)				**Source: E204083-01**					Prepared: 04/19/22 Analyzed: 04/19/22
Chloride	300	20.0	250	48.8	101	80-120	0.755	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	04/20/22 15:49

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of ___

Client: Enterprise Products	Bill To
Project: Chaco Plant	Attention:
Project Manager: Greg Crabtree	Address:
Address:	City, State, Zip
City, State, Zip	Phone:
Phone:	Email:
Email: Tknight Gcrabtree Bhall Igarcia KSanchez DCarter Gbenally	
Report due by:	

Lab Use Only		TAT				EPA Program	
Lab WO# E204090	Job Number 04061-0040	1D	2D	3D	Standard	CWA	SDWA
		X					

Analysis and Method													RCRA
													X
													State
													NM CO UT AZ TX
													x

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TCLP VOC's	TCLP S-VOCs	TCLP RCRA 8 Metals	BTEX	TPH	Chlorides							Remarks
14:40	4/18/2022	S	1	CS-13	1				X	X	X							

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Gilbert Benally

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-18-22	16:46		4/18/22	16:47
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) / N
T1 ____ T2 ____ T3 ____
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other ____

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 4/18/2022 6:00:31PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Enterprise Products	Date Received:	04/18/22 16:47	Work Order ID:	E204090
Phone:	(505)599-2104	Date Logged In:	04/18/22 17:58	Logged In By:	Alexa Michaels
Email:		Due Date:	04/19/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Gilbert Benally
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	No
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

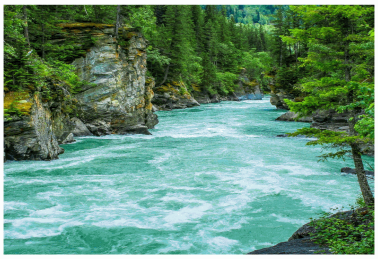
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enterprise Products

Project Name: Chaco Plant

Work Order: E204116

Job Number: 04061-0040

Received: 4/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/26/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/26/22

Greg Crabtree
614 Reilly Ave
Farmington, NM 87401

Project Name: Chaco Plant
Workorder: E204116
Date Received: 4/21/2022 6:46:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/21/2022 6:46:00PM, under the Project Name: Chaco Plant.

The analytical test results summarized in this report with the Project Name: Chaco Plant apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	04/26/22 13:32

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS-30	E204116-01A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-01B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-31	E204116-02A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-02B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-32	E204116-03A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-03B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-33	E204116-04A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-04B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-34	E204116-05A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-05B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-35	E204116-06A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-06B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-36	E204116-07A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-07B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-37	E204116-08A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-38	E204116-09A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-09B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-39	E204116-10A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-10B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-40	E204116-11A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-11B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
CS-41	E204116-12A	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.
	E204116-12B	Soil	04/21/22	04/21/22	Glass Jar, 4 oz.

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-30

E204116-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	**0.0268**	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.9 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.6 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*129 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-31

E204116-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	**0.125**	0.0250	1	04/22/22	04/25/22	
o-Xylene	**0.121**	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	**0.283**	0.0500	1	04/22/22	04/25/22	
Total Xylenes	**0.404**	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.7 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.3 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*111 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-32

E204116-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.7 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*127 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	**31.0**	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-33

E204116-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.3 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.5 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*130 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-34

E204116-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.6 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.2 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*135 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-35

E204116-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.3 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*87.7 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*126 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-36

E204116-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.9 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.8 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/22/22	
Surrogate: n-Nonane		*102 %*	*50-200*	*04/22/22*	*04/22/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	**29.3**	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-37

E204116-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	**0.300**	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	**1.01**	0.0250	1	04/22/22	04/25/22	
Toluene	**6.27**	0.0250	1	04/22/22	04/25/22	
o-Xylene	**2.27**	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	**6.82**	0.0500	1	04/22/22	04/25/22	
Total Xylenes	**9.09**	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*103 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	**48.3**	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*90.7 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/23/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/22/22*	*04/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	**20.2**	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-38

E204116-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	**0.0341**	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*98.1 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/23/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/22/22*	*04/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/22/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-39

E204116-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	**0.122**	0.0250	1	04/22/22	04/25/22	
o-Xylene	**0.0374**	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	**0.114**	0.0500	1	04/22/22	04/25/22	
Total Xylenes	**0.151**	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*99.1 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.1 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/23/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/22/22*	*04/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/23/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-40

E204116-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	ND	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	ND	0.0250	1	04/22/22	04/25/22	
o-Xylene	ND	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	ND	0.0500	1	04/22/22	04/25/22	
Total Xylenes	ND	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.5 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.0 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/22/22	04/23/22	
Surrogate: n-Nonane		*114 %*	*50-200*	*04/22/22*	*04/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/23/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

CS-41

E204116-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Benzene	**0.187**	0.0250	1	04/22/22	04/25/22	
Ethylbenzene	ND	0.0250	1	04/22/22	04/25/22	
Toluene	**0.460**	0.0250	1	04/22/22	04/25/22	
o-Xylene	**0.0612**	0.0250	1	04/22/22	04/25/22	
p,m-Xylene	**0.197**	0.0500	1	04/22/22	04/25/22	
Total Xylenes	**0.258**	0.0250	1	04/22/22	04/25/22	
Surrogate: 4-Bromochlorobenzene-PID		*97.6 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2217050
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/22/22	04/25/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.9 %*	*70-130*	*04/22/22*	*04/25/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2217043
Diesel Range Organics (C10-C28)	ND	25.0	1	04/22/22	04/23/22	
Oil Range Organics (C28-C36)	**53.9**	50.0	1	04/22/22	04/23/22	
Surrogate: n-Nonane		*139 %*	*50-200*	*04/22/22*	*04/23/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2217039
Chloride	ND	20.0	1	04/22/22	04/23/22	

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217050-BLK1)									Prepared: 04/22/22 Analyzed: 04/25/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*7.88*		*8.00*		*98.5*	*70-130*			
LCS (2217050-BS1)									Prepared: 04/22/22 Analyzed: 04/25/22
Benzene	5.30	0.0250	5.00		106	70-130			
Ethylbenzene	4.78	0.0250	5.00		95.6	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130			
Total Xylenes	14.8	0.0250	15.0		99.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.11*		*8.00*		*101*	*70-130*			
LCS Dup (2217050-BSD1)									Prepared: 04/22/22 Analyzed: 04/25/22
Benzene	5.69	0.0250	5.00		114	70-130	7.09	20	
Ethylbenzene	5.11	0.0250	5.00		102	70-130	6.80	20	
Toluene	5.44	0.0250	5.00		109	70-130	7.02	20	
o-Xylene	5.37	0.0250	5.00		107	70-130	7.09	20	
p,m-Xylene	10.5	0.0500	10.0		105	70-130	6.74	20	
Total Xylenes	15.9	0.0250	15.0		106	70-130	6.86	20	
Surrogate: 4-Bromochlorobenzene-PID	*8.13*		*8.00*		*102*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217050-BLK1)									Prepared: 04/22/22 Analyzed: 04/25/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.13*		*8.00*		*89.1*	*70-130*			
LCS (2217050-BS2)									Prepared: 04/22/22 Analyzed: 04/25/22
Gasoline Range Organics (C6-C10)	47.7	20.0	50.0		95.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.2*	*70-130*			
LCS Dup (2217050-BSD2)									Prepared: 04/22/22 Analyzed: 04/25/22
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0		91.4	70-130	4.37	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.21*		*8.00*		*90.1*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217043-BLK1)									Prepared: 04/22/22 Analyzed: 04/22/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*64.0*		*50.0*		*128*	*50-200*			
LCS (2217043-BS1)									Prepared: 04/22/22 Analyzed: 04/22/22
Diesel Range Organics (C10-C28)	542	25.0	500		108	38-132			
Surrogate: n-Nonane	*59.1*		*50.0*		*118*	*50-200*			
Matrix Spike (2217043-MS1)				**Source: E204107-01**					Prepared: 04/22/22 Analyzed: 04/22/22
Diesel Range Organics (C10-C28)	547	25.0	500	ND	109	38-132			
Surrogate: n-Nonane	*60.2*		*50.0*		*120*	*50-200*			
Matrix Spike Dup (2217043-MSD1)				**Source: E204107-01**					Prepared: 04/22/22 Analyzed: 04/22/22
Diesel Range Organics (C10-C28)	549	25.0	500	ND	110	38-132	0.538	20	
Surrogate: n-Nonane	*59.0*		*50.0*		*118*	*50-200*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0040	
Farmington NM, 87401	Project Manager:	Greg Crabtree	4/26/2022 1:32:57PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2217039-BLK1)									Prepared: 04/22/22 Analyzed: 04/22/22
Chloride	ND	20.0							
LCS (2217039-BS1)									Prepared: 04/22/22 Analyzed: 04/22/22
Chloride	254	20.0	250		102	90-110			
Matrix Spike (2217039-MS1)				**Source: E204116-01**					Prepared: 04/22/22 Analyzed: 04/22/22
Chloride	259	20.0	250	ND	104	80-120			
Matrix Spike Dup (2217039-MSD1)				**Source: E204116-01**					Prepared: 04/22/22 Analyzed: 04/22/22
Chloride	297	20.0	250	ND	119	80-120	13.6	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0040	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	04/26/22 13:32

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information

Chain of Custody

Page 1 of 2

Client:	Enterprise Products
Project:	Chaco Plant
Project Manager:	Greg Crabtree
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E204116

Job Number 04061-0040

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA
		X

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BP60C	Remarks
13:44	4-21-22	S	2	CS-30	1								Cool
13:57				CS-31	2								
14:04				CS-32	3								
14:08				CS-33	4								
14:11				CS-34	5								
14:15				CS-35	6								
14:18				CS-36	7								
14:22				CS-37	8								
14:37				CS-38	9								
14:38				CS-39	10								

Additional Instructions: Vis ICE in Cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Gilbert Benally

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4.21.22	18:46		4-21-22	18:46
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information

Chain of Custody

Page 2 of 2

Client:	Enterprise Products
Project:	Chaco Plant
Project Manager:	Greg Crabtree
Address:	
City, State, Zip	
Phone:	
Email:	
Report due by:	

Bill To

Attention:	
Address:	
City, State, Zip	
Phone:	
Email:	

Lab Use Only

Lab WO# E204116

Job Number 04061-0040

TAT

1D	2D	3D	Standard
X			

EPA Program

CWA	SDWA	RCRA

State

NM	CO	UT	AZ	TX	
X					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDGOV	Remarks
14:40	4-21-22	S	2	CS-40	11							1	Gas
14:42	1	1	1	CS-41	12							1	1

Analysis and Method

Additional Instructions: Vis ICE & Cooler

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Gilbert Benally

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-21-22	18:46		4.21.22	18:46
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only

Received on ice: Y / N

T1 T2 T3

AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Envirotech Analytical Laboratory

Printed: 4/22/2022 10:00:46AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Enterprise Products	Date Received:	04/21/22 18:46	Work Order ID:	E204116
Phone:	(505)599-2104	Date Logged In:	04/22/22 08:09	Logged In By:	Caitlin Christian
Email:		Due Date:	04/25/22 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Gilbert Benally
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes	

Sample Cooler

7. Was a sample cooler received?	Yes	
8. If yes, was cooler received in good condition?	Yes	
9. Was the sample(s) received intact, i.e., not broken?	Yes	
10. Were custody/security seals present?	No	
11. If yes, were custody/security seals intact?	NA	
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes	
13. If no visible ice, record the temperature. Actual sample temperature: 4°C		

Sample Container

14. Are aqueous VOC samples present?	No	
15. Are VOC samples collected in VOA Vials?	NA	
16. Is the head space less than 6-8 mm (pea sized or less)?	NA	
17. Was a trip blank (TB) included for VOC analyses?	NA	
18. Are non-VOC samples collected in the correct containers?	Yes	
19. Is the appropriate volume/weight or number of sample containers collected?	Yes	

Field Label

20. Were field sample labels filled out with the minimum information:		
Sample ID?	Yes	
Date/Time Collected?	Yes	
Collectors name?	Yes	

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No	
22. Are sample(s) correctly preserved?	NA	
24. Is lab filteration required and/or requested for dissolved metals?	No	

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No	
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA	

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

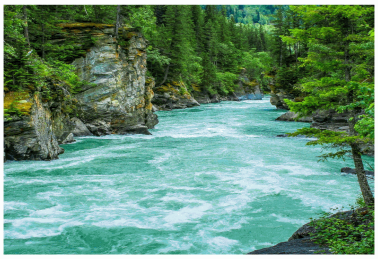
Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Report to:

Greg Crabtree



5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com

envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Enterprise Products

Project Name: Chaco Plant

Work Order: E204204

Job Number: 04061-0060

Received: 4/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
5/3/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.
Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 5/3/22

Greg Crabtree
614 Reilly Ave
Farmington, NM 87401

Project Name: Chaco Plant
Workorder: E204204
Date Received: 4/28/2022 4:40:00PM

Greg Crabtree,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/28/2022 4:40:00PM, under the Project Name: Chaco Plant.

The analytical test results summarized in this report with the Project Name: Chaco Plant apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
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ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0060	
Farmington NM, 87401	Project Manager:	Greg Crabtree	05/03/22 16:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS - 42	E204204-01A	Soil	04/28/22	04/28/22	Glass Jar, 4 oz.
CS - 43	E204204-02A	Soil	04/28/22	04/28/22	Glass Jar, 4 oz.
CS - 44	E204204-03A	Soil	04/28/22	04/28/22	Glass Jar, 4 oz.
CS - 45	E204204-04A	Soil	04/28/22	04/28/22	Glass Jar, 4 oz.
CS - 46	E204204-05A	Soil	04/28/22	04/28/22	Glass Jar, 4 oz.

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

CS - 42

E204204-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Benzene	**0.259**	0.0250	1	04/29/22	05/02/22	
Ethylbenzene	**0.200**	0.0250	1	04/29/22	05/02/22	
Toluene	**1.91**	0.0250	1	04/29/22	05/02/22	
o-Xylene	**0.462**	0.0250	1	04/29/22	05/02/22	
p,m-Xylene	**1.48**	0.0500	1	04/29/22	05/02/22	
Total Xylenes	**1.94**	0.0250	1	04/29/22	05/02/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.1 %*	*70-130*	*04/29/22*	*05/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/22	05/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.3 %*	*70-130*	*04/29/22*	*05/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2218050
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/22	05/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/22	05/01/22	
Surrogate: n-Nonane		*110 %*	*50-200*	*04/29/22*	*05/01/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2218049
Chloride	ND	20.0	1	04/29/22	04/29/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

CS - 43

E204204-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Benzene	**0.0283**	0.0250	1	04/29/22	05/02/22	
Ethylbenzene	**0.0541**	0.0250	1	04/29/22	05/02/22	
Toluene	**0.404**	0.0250	1	04/29/22	05/02/22	
o-Xylene	**0.155**	0.0250	1	04/29/22	05/02/22	
p,m-Xylene	**0.494**	0.0500	1	04/29/22	05/02/22	
Total Xylenes	**0.649**	0.0250	1	04/29/22	05/02/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*04/29/22*	*05/02/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/22	05/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.9 %*	*70-130*	*04/29/22*	*05/02/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2218050
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/22	05/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/22	05/01/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*04/29/22*	*05/01/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2218049
Chloride	ND	20.0	1	04/29/22	04/29/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

CS - 44

E204204-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Benzene	**0.0305**	0.0250	1	04/29/22	05/03/22	
Ethylbenzene	**0.0581**	0.0250	1	04/29/22	05/03/22	
Toluene	**0.437**	0.0250	1	04/29/22	05/03/22	
o-Xylene	**0.162**	0.0250	1	04/29/22	05/03/22	
p,m-Xylene	**0.521**	0.0500	1	04/29/22	05/03/22	
Total Xylenes	**0.683**	0.0250	1	04/29/22	05/03/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/29/22	05/03/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*91.8 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2218050
Diesel Range Organics (C10-C28)	ND	25.0	1	04/29/22	05/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/22	05/01/22	
Surrogate: n-Nonane		*112 %*	*50-200*	*04/29/22*	*05/01/22*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2218049
Chloride	ND	20.0	1	04/29/22	04/29/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

CS - 45

E204204-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Benzene	**17.7**	0.500	20	04/29/22	05/03/22	
Ethylbenzene	**21.5**	0.500	20	04/29/22	05/03/22	
Toluene	**198**	0.500	20	04/29/22	05/03/22	
o-Xylene	**36.9**	0.500	20	04/29/22	05/03/22	
p,m-Xylene	**149**	1.00	20	04/29/22	05/03/22	
Total Xylenes	**186**	0.500	20	04/29/22	05/03/22	
Surrogate: 4-Bromochlorobenzene-PID		*95.9 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Gasoline Range Organics (C6-C10)	**912**	400	20	04/29/22	05/03/22	T16
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.7 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2218050
Diesel Range Organics (C10-C28)	**35.1**	25.0	1	04/29/22	05/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/22	05/01/22	
Surrogate: n-Nonane		*337 %*	*50-200*	*04/29/22*	*05/01/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2218049
Chloride	ND	20.0	1	04/29/22	04/29/22	

Sample Data

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

CS - 46

E204204-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Benzene	**691**	6.25	300	04/29/22	05/03/22	
Ethylbenzene	**177**	6.25	300	04/29/22	05/03/22	
Toluene	**3390**	6.25	300	04/29/22	05/03/22	
o-Xylene	**257**	6.25	300	04/29/22	05/03/22	
p,m-Xylene	**1130**	12.5	300	04/29/22	05/03/22	
Total Xylenes	**1390**	6.25	300	04/29/22	05/03/22	
Surrogate: 4-Bromochlorobenzene-PID		*96.1 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2218048
Gasoline Range Organics (C6-C10)	**13000**	5000	300	04/29/22	05/03/22	T16
Surrogate: 1-Chloro-4-fluorobenzene-FID		*92.5 %*	*70-130*	*04/29/22*	*05/03/22*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2218050
Diesel Range Organics (C10-C28)	**124**	25.0	1	04/29/22	05/01/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/29/22	05/01/22	
Surrogate: n-Nonane		*1880 %*	*50-200*	*04/29/22*	*05/01/22*	*S5*
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: CS			Batch: 2218049
Chloride	ND	20.0	1	04/29/22	04/29/22	

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0060	
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218048-BLK1)									Prepared: 04/29/22 Analyzed: 04/29/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.43*		*8.00*		*105*	*70-130*			
LCS (2218048-BS1)									Prepared: 04/29/22 Analyzed: 04/29/22
Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.61	0.0250	5.00		92.1	70-130			
Toluene	4.88	0.0250	5.00		97.7	70-130			
o-Xylene	4.79	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.51	0.0500	10.0		95.1	70-130			
Total Xylenes	14.3	0.0250	15.0		95.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*70-130*			
Matrix Spike (2218048-MS1)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Benzene	5.00	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	61-133			
Toluene	4.80	0.0250	5.00	ND	95.9	61-130			
o-Xylene	4.71	0.0250	5.00	ND	94.2	63-131			
p,m-Xylene	9.32	0.0500	10.0	ND	93.2	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*8.22*		*8.00*		*103*	*70-130*			
Matrix Spike Dup (2218048-MSD1)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Benzene	5.28	0.0250	5.00	ND	106	54-133	5.36	20	
Ethylbenzene	4.73	0.0250	5.00	ND	94.6	61-133	4.54	20	
Toluene	5.04	0.0250	5.00	ND	101	61-130	4.98	20	
o-Xylene	4.93	0.0250	5.00	ND	98.7	63-131	4.68	20	
p,m-Xylene	9.73	0.0500	10.0	ND	97.3	63-131	4.24	20	
Total Xylenes	14.7	0.0250	15.0	ND	97.7	63-131	4.39	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.95*		*8.00*		*99.4*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0060	
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218048-BLK1)									Prepared: 04/29/22 Analyzed: 04/29/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			
LCS (2218048-BS2)									Prepared: 04/29/22 Analyzed: 04/29/22
Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.20*		*8.00*		*89.9*	*70-130*			
Matrix Spike (2218048-MS2)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0	ND	91.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.26*		*8.00*		*90.7*	*70-130*			
Matrix Spike Dup (2218048-MSD2)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Gasoline Range Organics (C6-C10)	49.6	20.0	50.0	ND	99.2	70-130	8.42	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.23*		*8.00*		*90.4*	*70-130*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0060	
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218050-BLK1)									Prepared: 04/29/22 Analyzed: 04/30/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*49.6*		*50.0*		*99.3*	*50-200*			
LCS (2218050-BS1)									Prepared: 04/29/22 Analyzed: 04/30/22
Diesel Range Organics (C10-C28)	507	25.0	500		101	38-132			
Surrogate: n-Nonane	*47.1*		*50.0*		*94.2*	*50-200*			
Matrix Spike (2218050-MS1)				**Source: E204142-01**					Prepared: 04/29/22 Analyzed: 04/30/22
Diesel Range Organics (C10-C28)	524	25.0	500	ND	105	38-132			
Surrogate: n-Nonane	*51.5*		*50.0*		*103*	*50-200*			
Matrix Spike Dup (2218050-MSD1)				**Source: E204142-01**					Prepared: 04/29/22 Analyzed: 05/01/22
Diesel Range Organics (C10-C28)	525	25.0	500	ND	105	38-132	0.212	20	
Surrogate: n-Nonane	*47.8*		*50.0*		*95.6*	*50-200*			

QC Summary Data

Enterprise Products	Project Name:	Chaco Plant	**Reported:**
614 Reilly Ave	Project Number:	04061-0060	
Farmington NM, 87401	Project Manager:	Greg Crabtree	5/3/2022 4:19:07PM

Anions by EPA 300.0/9056A

Analyst: CS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2218049-BLK1)									Prepared: 04/29/22 Analyzed: 04/29/22
Chloride	ND	20.0							
LCS (2218049-BS1)									Prepared: 04/29/22 Analyzed: 05/02/22
Chloride	251	20.0	250		101	90-110			
Matrix Spike (2218049-MS1)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Chloride	445	20.0	250	174	108	80-120			
Matrix Spike Dup (2218049-MSD1)				**Source: E204202-01**					Prepared: 04/29/22 Analyzed: 04/29/22
Chloride	411	20.0	250	174	95.0	80-120	7.82	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Definitions and Notes

Enterprise Products	Project Name:	Chaco Plant	
614 Reilly Ave	Project Number:	04061-0060	**Reported:**
Farmington NM, 87401	Project Manager:	Greg Crabtree	05/03/22 16:19

S5	Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
T16	The results for this petroleum hydrocarbon analysis is elevated due to the presence of a single analyte peak in the quantitation range.
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
DNI	Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

Project Information | Chain of Custody | Page 1 of 1

Client: Enterprise	**Bill To**	**Lab Use Only**
Project: Chaco Plant	Attention:	Lab WO# E204204
Project Manager: Greg Crabtree	Address:	Job Number 04061-0060
Address:	City, State, Zip	
City, State, Zip	Phone:	
Phone:	Email:	
Email: Tknight Gcrabtree Bhall Igarcia KSanchez DCarter Gbenally		
Report due by:		

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
		x			
					RCRA
				State	
				NM	CO	UT	AZ	TX	
				x					

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	TCLP VOC's	TCLP S-VOCs	TCLP RCRA 8 Metals	Chlorine	BDGOC	Remarks
15:19	4/28/2022	S	1	CS-42	1					x	
15:23	4/28/2022	S	1	CS-43	2					x	
15:26	4/28/2022	S	1	CS-44	3					x	
15:29	4/28/2022	S	2	CS-45	4					x	
15:31	4/28/2022	S	3	CS-46	5					x	

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Gilbert Benally

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-28-22	16:40		4/28/22	16:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: (Y) N
T1 T2 T3
AVG Temp °C 4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Envirotech Analytical Laboratory

Printed: 4/28/2022 5:04:26PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Enterprise Products	Date Received:	04/28/22 16:40	Work Order ID:	E204204
Phone:	(505)599-2104	Date Logged In:	04/28/22 16:59	Logged In By:	Caitlin Christian
Email:		Due Date:	05/03/22 17:00 (3 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Gilbert Benally
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: na

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

Appendix E

Regulatory Correspondence

envirotech

Practical Solutions for a Better Tomorrow

From: Long, Thomas
To: Brittany Hall
Subject: FW: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264
Date: Monday, May 23, 2022 2:17:52 PM

FYI

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Thursday, May 5, 2022 10:55 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; Tami Knight <TKnight@envirotech-inc.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

[Use caution with links/attachments]

In lieu of Enterprise's pro-active approach and submittal of the appropriate site assessment documentation regarding this incident, your request for a 90 day extension beyond the 04/26/2022 remediation due date is approved. In addition, the initial proposed remedial action is verbally approved. Enterprise must submit the finalized remediation plan through the C-141 portal as soon as practicable (30 days maximum from this correspondence) with the necessary documentation (e.g. safety data sheet for H_2o_2, application technique, etc.) to support the future activities.

The updated remediation due date is now 07/29/2022.

According to our records, this is an initial time extension request.

Please keep a copy of this communication for inclusion within the appropriate reporting documentation.

The OCD requires a copy of all correspondence related to remedial activities be included in all proposals, weekly/monthly/quarterly/semi-annual/annual, or final closure reports. Correspondence reporting requirements may include, but not limited to, notifications for sampling or drilling event(s), and request for time extension(s) or variance(s).

If you have any questions, please contact me via email at your convenience.

Thanks again

Regards,

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Thursday, May 5, 2022 8:22 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; Tami Knight <TKnight@envirotech-inc.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

Nelson,

This email is a time extension request of 90 days to continue the delineation and remediation activities associated with the Chaco Plant Produced Water release that occurred on January 26, 2022. To date, Enterprise has been remediating the release by contaminant mass removal. The current excavation is approximately 25 feet long by 20 feet wide by 25 feet deep. Approximately 500 cubic yards of hydrocarbon contaminated soil has been excavated and transported to a NMOCD approved landfarm facility for proper disposal. A majority of the release has been remediated to the NMOCD Tier I remediation standards. Two soil samples (CS-45 and CS-46) exhibit contaminant concentrations exceeding the NMOCD Tier I remediation standards. These soil samples were collected from the capillary fringe/smear zone located approximately 22 to 25 feet below ground surface. Please see the attachment for analytical results and a map illustrating where soil samples exceed the Tier I remediation standards. Because contaminant concentrations exceeding Tier I standards only exist in the capillary fringe/smear zone with approximately 22 feet of clean overburden material, contaminant mass removal by excavating would not continue to be a

practicable remediation method. Enterprise proposes an alternate remediation approach. Enterprise requests to apply a hydrogen peroxide solution to the excavation side walls and then backfill the excavation with clean fill material. Upon completion, Enterprise proposes to install soil borings and/or groundwater monitoring wells utilizing a hollow stem augur drilling rig in an effort to continue delineation and remediation activities. Please acknowledge acceptance of this time extension request and alternate remediation approach. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
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505-599-2286 (office)
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tjlong@eprod.com

From: Long, Thomas
Sent: Wednesday, April 27, 2022 2:06 PM
To: 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; tknight@envirotech-inc.com; Tami Knight <TKnight@envirotech-inc.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

Nelson,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis tomorrow April 28, 2022 at 3:00 p.m. Unfortunately, we were not ready to collect the samples today. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Wednesday, April 27, 2022 10:11 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; tknight@envirotech-inc.com; Tami Knight <TKnight@envirotech-inc.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

[Use caution with links/attachments]

Your variance to modify the sampling notification per 19.15.29.12D (1a) NMAC is approved. If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the final closure report submittal.

Nelson Velez • Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00–11:00 am & 12:00–3:30 pm Mon.–Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Wednesday, April 27, 2022 7:43 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; tknight@envirotech-inc.com; Tami Knight <TKnight@envirotech-inc.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

Nelson,

Please find the attached site map and lab report for the Chaco Plant Produced Water Spill excavation. All sample results are below the NMOCD Tier I remediation standards. The sample identifications are for upper and lower intervals (example CS-30/CS-31) to meet the 200 square foot

sampling requirement. We still have to clean out the bottom/base and sample it. We plan on doing that this afternoon and I am requesting another variance request for the required 48 hour sample notification, as that we would like to sample around 3:00 p.m. Enterprise will be collecting soil samples on the base every 200 square feet as per NMCOD regulation. If we do not sample the base this afternoon, it will be Friday afternoon and I will send a follow up notification. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

Thomas J. Long
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Enterprise Products Company
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Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

Enterprise Products

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Thursday, April 21, 2022 10:58 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>; tknight@envirotech-inc.com
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

[Use caution with links/attachments]

If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the final closure report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposal and/or final closure reports.

Correspondence required to be included in reports may include, but not limited to, time extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests.

Thanks again.

Regards

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Thursday, April 21, 2022 9:48 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>; tknight@envirotech-inc.com
Subject: FW: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

Nelson,

This email is a follow up to our phone conversation earlier. Enterprise requests a variance for the required 48 hour sample notification. Enterprise requests to sample the entire excavation to establish a baseline. Enterprise will be collecting soil samples every 200 square feet as per NMCOD regulation. Please acknowledge acceptance of this variance request. If you have any questions, please call or email.

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Enterprise Products

From: Long, Thomas
Sent: Thursday, April 14, 2022 10:55 AM
To: 'Velez, Nelson, EMNRD' <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

Nelson,

I am sending notification today because tomorrow is a holiday for Enterprise. This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Chaco Plant Produced Water Spill excavation Monday, April 18, 2022 at 3:00 p.m. If you have any questions,

please call or email.

Thomas J. Long
Senior Environmental Scientist
Enterprise Products Company
614 Reilly Ave.
Farmington, New Mexico 87401
505-599-2286 (office)
505-215-4727 (Cell)
tjlong@eprod.com

From: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Sent: Friday, April 8, 2022 7:39 AM
To: Long, Thomas <tjlong@eprod.com>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

[Use caution with links/attachments]

Thank you for the notice. If an OCD representative is not on-site on the date &/or time given, please sample per 19.15.29 NMAC. For whatever reason, if the sampling timeframe is altered, please notify the OCD as soon as possible so we may adjust our schedule(s). Failure to notify the OCD of this change may result in the closure sample(s) not being accepted.

Please keep a copy of this communication for inclusion within the final closure report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposal and/or final closure reports.

Correspondence required to be included in reports may include, but not limited to, time extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests.

Thanks again.

Regards

Nelson Velez ● Environmental Specialist - Adv
Environmental Bureau | EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87410
(505) 469-6146 | nelson.velez@state.nm.us

Hrs.: 7:00-11:00 am & 12:00-3:30 pm Mon.-Thur.
7:00-11:00 am & 12:00-4:00 pm Fri.

From: Long, Thomas <tjlong@eprod.com>
Sent: Friday, April 8, 2022 7:37 AM
To: Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: [EXTERNAL] Chaco Plant Produced Water Spill; UL E Section 16 T26N R12W;36.484021, -108.11705; Incident #nAPP2202747264

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

This email is a notification that Enterprise will be collecting soil samples for laboratory analysis at the Chaco Plant Produced Water Spill excavation Monday, April 11, 2022 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long
Senior Environmental Scientist
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tjlong@eprod.com

Enterprise Products

Appendix F

BioSol HP50 Safety Data Sheet

envirotech

Practical Solutions for a Better Tomorrow

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SAFETY DATA SHEET

BioSol HP50

1. PRODUCT AND COMPANY IDENTIFICATION

Company

Solugen
14549 Minetta St.
Houston, TX 77035

Oxygenated and Derivatives

Email / Telephone Number: regulatory@solugentech.com / 713.380.2134

Emergency Information

CHEMTREC: (800) 424-9300
(24 hrs., 7 days a week)

Product Information

Product name:	BioSol HP50
Synonyms:	H2O2 50%
Molecular formula:	H2O2
Chemical family:	peroxides
Molecular weight:	34.01 g/mol
Product use:	Bleaching agent, Oxidizing agent, Cosmetics, Water treatment

2. HAZARDS IDENTIFICATION

Emergency Overview

Color:	colourless
Physical state:	liquid
Odor:	pungent

***Classification of the substance or mixture:**

Oxidizing liquids, Category 2, H272
Oral: Acute toxicity, Category 3, H301
Skin corrosion, Category 1C, H314
Serious eye damage, Category 1, H318
Specific target organ toxicity - single exposure, Category 3, H335
Chronic aquatic toxicity, Category 3, H412

*For the full text of the H-Statements mentioned in this Section, see Section 16.

solugen

SAFETY DATA SHEET

BioSol HP50

GHS-Labelling

Hazard pictograms:

Signal word: **Danger**

Hazard statements:

H272 : May intensify fire; oxidizer.
H301 : Toxic if swallowed.
H314 : Causes severe skin burns and eye damage.
H335 : May cause respiratory irritation.
H412 : Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:
P210 : Keep away from heat.
P220 : Keep/Store away from clothing/ combustible materials.
P221 : Take any precaution to avoid mixing with combustibles.
P261 : Avoid breathing gas/mist/vapors/spray.
P264 : Wash skin thoroughly after handling.
P270 : Do not eat, drink or smoke when using this product.
P271 : Use only outdoors or in a well-ventilated area.
P273 : Avoid release to the environment.
P280 : Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301 + P330 + P331 : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 : IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 : Immediately call a POISON CENTER/doctor.
P363 : Wash contaminated clothing before reuse.
P370 + P378 : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage:
P403 + P233 : Store in a well-ventilated place. Keep container tightly closed.
P405 : Store locked up.

Disposal:
P501 : Dispose of contents/ container to an approved waste disposal plant.

Supplemental information:

Potential Health Effects:
If swallowed:
May cause: gastrointestinal symptoms, ulceration, burns, accumulation of fluid in the lungs which may be delayed for several hours, (severity of effects depends on extent of exposure).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Hydrogen peroxide	7722-84-1	50 %	H271, H301, H332, H335, H314, H318, H412

Water	7732-18-5	50 %	Not classified

**For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of necessary first-aid measures:

Inhalation:
If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Skin:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse. Destroy contaminated shoes.

Eyes:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Ingestion:
If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Call a Poison Control Center. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Rinse mouth.

4.2. Most important symptoms/effects, acute and delayed:

For most important symptoms and effects (acute and delayed), see Section 2 (Hazard Statements and Supplemental Information) and Section 11 (Toxicology Information) of this SDS.

4.3. Indication of immediate medical attention and special treatment needed, if necessary:

Unless otherwise noted in Notes to Physician, no specific treatment noted; treat symptomatically.

Notes to physician:
Exposure to material may cause delayed lung injury resulting in pulmonary edema and pneumonitis. Exposed individuals should be monitored for 72 hours after exposure for the onset of delayed respiratory symptoms.

5. FIREFIGHTING MEASURES

Extinguishing media (suitable):
water spray, water fog

Protective equipment:
Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

Further firefighting advice:

Oxidizing material
In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Decomposition will release oxygen, which will intensify a fire.
Cool closed containers exposed to fire with water spray.
Closed containers of this material may explode when subjected to heat from surrounding fire.
Do not allow run-off from fire fighting to enter drains or water courses.
Fire fighting equipment should be thoroughly decontaminated after use.

Fire and explosion hazards:
Solutions above 65% are especially hazardous as they do not contain enough water to remove the heat of decomposition by evaporation.
Explosive when mixed with combustible material.
Avoid breathing fumes from fire exposed material.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:
Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Avoid contact with cellulose, paper, sawdust or similar substances. Risk of self-ignition or promotion of fires. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water to ensure that all the hydrogen peroxide is removed. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Protective equipment:
Appropriate personal protective equipment is set forth in Section 8.

7. HANDLING AND STORAGE

Handling

General information on handling:
Do not taste or swallow.
Do not get in eyes, on skin, or on clothing.
Avoid breathing vapor or mist.
Keep from contact with clothing and other combustible materials.
Keep away from heat, sparks and flames.
Use only with adequate ventilation.
Wash thoroughly after handling.
Wear fire/ flame resistant/ retardant clothing.
Prevent product contamination.
Keep only in the original container.
Store in tightly closed container.
DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.
Emptied container retains vapor and product residue.
Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
Avoid contamination.

Storage

General information on storage conditions:
Store in tightly closed container. Store in cool, dry, well ventilated area away from sources of ignition such as flame, sparks and static electricity. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Store away from combustibles and incompatible materials. Refer to National Fire Protection Association (NFPA) 430, Code for the Storage of Solid and Liquid Oxidizers.

Storage incompatibility – General:
Store separate from acids, alkalies, reducing agents, and combustibles. Store separate from: Metallic oxides

Organic materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Guidelines:

Hydrogen peroxide (7722-84-1)

US. ACGIH Threshold Limit Values

Time weighted average	1 ppm

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

PEL:	1 ppm (1.4 mg/m3)

Only those components with exposure limits are printed in this section. Limits with skin contact designation above have skin contact effect. Air sampling alone is insufficient to accurately quantitate exposure. Measures to prevent significant cutaneous absorption may be required. Limits with a sensitizer designation above mean that exposure to this material may cause allergic reactions.

Engineering controls:
Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Respiratory protection:
Avoid breathing vapor or mist. Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Skin protection:
Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. When handling this material, gloves of the following type(s) should be worn: Neoprene

Polyvinylchloride

Impervious butyl rubber gloves

Wear a face shield, chemical goggles and chemical resistant clothing such as an approved splash protective suit made of SBR Rubber, PVC, Gore-Tex or a HAZMAT Splash Protective Suit (Level A, B, or C) when splashing may occur (such as connecting/disconnecting, mechanical first break). For foot protection, wear boots made of NBR, PVC, polyurethane, or neoprene. Overboots made of Latex or PVC, as well as firefighter boots or specialized HAZMAT boots are also permitted. DO NOT wear any form of boot or overboots made of nylon or nylon blends. DO NOT use cotton, wool or leather, as these materials react RAPIDLY with higher concentrations of hydrogen peroxide. Rinse immediately if skin is contaminated. Remove contaminated clothing and shoes immediately. Thoroughly rinse the outside of gloves and protective clothing with water prior to removal. Completely submerge hydrogen peroxide contaminated clothing or other materials in water prior to drying. Residual hydrogen peroxide, if allowed to dry on materials such as paper, fabrics, cotton, leather, wood or other combustibles can cause the material to ignite and result in a fire. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

Eye protection:
Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	colourless
Physical state:	liquid
Odor:	pungent
Odor threshold:	No data available
Flash point	None.
Auto-ignition temperature:	Not applicable
Lower flammable limit (LFL):	Not applicable
Upper flammable limit (UFL):	Not applicable
pH:	No data available
Density:	1.196 g/cm3 (68 °F (20 °C))
Vapor pressure:	18 mmHg (68 °F (20 °C))
Relative vapor density:	1.0
Vapor density:	not determined
Boiling point/boiling range:	237 °F (114 °C)

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SAFETY DATA SHEET

BioSol HP50

Melting point/range:	No data available.
Freezing point:	-62 °F (-52 °C)
Evaporation rate:	No data available
Solubility in water:	completely soluble
Viscosity, dynamic:	No data available
% Volatiles:	100 %
Molecular weight:	34.01 g/mol
Oil/water partition coefficient:	No data available
Thermal decomposition	No data available
Flammability:	See GHS Classification in Section 2

10. STABILITY AND REACTIVITY

Stability:
This material is chemically stable under normal and anticipated storage, handling and processing conditions.

Hazardous reactions:
None known.

Materials to avoid:
Metals
Organic materials
Reducing agents
Metallic oxides
Dusts
Combustible materials (e.g., wood, sawdust)
Alkaline materials

Conditions / hazards to avoid:
Material decomposes with the potential to produce a rupture of unvented closed containers.

Hazardous decomposition products:
This material decomposes if contaminated, causing fire and possible explosions. Oxygen can be liberated at temperatures above ambient.

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SAFETY DATA SHEET

BioSol HP50

11. TOXICOLOGICAL INFORMATION

Data for HYDROGEN PEROXIDE 50% (ALL GRADES)

Acute toxicity

Oral:
Toxic if swallowed. (Rat) LD50 = 225 - 1,200 mg/kg. (50 %) (as aqueous solution)

Dermal:
Practically nontoxic. (Rat) LD50 = 9,200 mg/kg. (70 %) (as aqueous solution)

Inhalation:
No deaths occurred. (Rat) 4 h LC0 > 0.17 mg/l. (50 %) (saturated vapor)

Specific target organ toxicity - single exposure:
May cause respiratory irritation.

Skin Irritation:
Causes severe skin burns. (Rabbit) (1 h) (50 %) (aqueous solution)

Eye Irritation:
Causes serious eye damage. (Rabbit) (70 %) (aqueous solution)

12. ECOLOGICAL INFORMATION

Chemical Fate and Pathway
Data on this material and/or a similar material are summarized below.

Ecotoxicology
Data on this material and/or a similar material are summarized below.

13. DISPOSAL CONSIDERATIONS

Waste disposal:
Dilution with water is the preferred method of disposal. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

solugen

SAFETY DATA SHEET

BioSol HP50

14. TRANSPORT INFORMATION

US Department of Transportation (DOT)

UN Number	:	2014
Proper shipping name	:	Hydrogen peroxide, aqueous solutions
Class	:	5.1
Subsidiary hazard class	:	(8)
Packaging group	:	II
Marine pollutant	:	no

International Maritime Dangerous Goods Code (IMDG)

UN Number	:	2014
Proper shipping name	:	HYDROGEN PEROXIDE, AQUEOUS SOLUTION
Class	:	5.1
Subsidiary hazard class	:	(8)
Packaging group	:	II
Marine pollutant	:	no

15. REGULATORY INFORMATION

Chemical Inventory Status

EU. EINECS	EINECS	Conforms to
US. Toxic Substances Control Act	TSCA	The components of this product are all on the TSCA Inventory.
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	Conforms to
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
Japan. Kashin-Hou Law List	ENCS (JP)	Does not conform
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	Does not conform
China. Inventory of Existing Chemical Substances	IECSC (CN)	Does not conform

United States – Federal Regulations

SARA Title III – Section 302 Extremely Hazardous Chemicals:

Chemical name	CAS-No.	SARA Reportable Quantities	SARA Threshold Planning Quantity

Hydrogen peroxide	7722-84-1	1000 lbs	1000 lbs

SARA Title III - Section 311/312 Hazard Categories:
Acute Health Hazard, Fire Hazard, Reactivity Hazard

SARA Title III – Section 313 Toxic Chemicals:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

The components in this product are either not CERCLA regulated, regulated but present in negligible concentrations, or regulated with no assigned reportable quantity.

United States – State Regulations

New Jersey Right to Know

Chemical name	CAS-No.
Water	7732-18-5
Hydrogen peroxide	7722-84-1

New Jersey Right to Know – Special Health Hazard Substance(s)

Chemical name	CAS-No.
Hydrogen peroxide	7722-84-1

Pennsylvania Right to Know

Chemical name	CAS-No.
Water	7732-18-5
Hydrogen peroxide	7722-84-1

Pennsylvania Right to Know – Environmentally Hazardous Substance(s)

Chemical name	CAS-No.
Hydrogen peroxide	7722-84-1

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H271 May cause fire or explosion; strong oxidizer. H272 May intensify fire; oxidizer.
H301 Toxic if swallowed.
H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.

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1625 N. French Dr., Hobbs, NM 88240
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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 109994

CONDITIONS

Operator: Enterprise Field Services, LLC PO Box 4324 Houston, TX 77210	OGRID: 241602
	Action Number: 109994
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/30/2022