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EA Engineering, Science, and Technology, Inc.

FINAL REMEDIATION PLAN
ATEX 213
3501 ISLETA BLVD., SW, ALBUQUERQUE, NM

PSTB FACILITY #: 31815
RELEASE ID #: 28
WPID #: 4230
DELIVERABLE ID #: 4264-2
CONTRACT #: 22-667-3200-0011

Submitted to:
New Mexico Environment Department
Petroleum Storage Tank Bureau
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505

Submitted by:
EA Engineering, Science,
and Technology, Inc., PBC
320 Gold Avenue SW, Suite 1300
Albuquerque, NM 87102

Distribution:

1 Copy	Mr. Corey Jarrett, Project Manager, NMED PSTB
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Signed Electronically by
V. Mustafin on June 6, 2022

June 6, 2022

EA Project No. 6381301

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1.0 INTRODUCTION

1.1. CONTRACTUAL

EA Engineering, Science, and Technology, Inc. PBC (EA) has prepared this Final Remediation Plan (FRP) to implement the injection of Regenesis PetroFix™ to address residual groundwater contamination at the Atex 213 Site located at 3501 Isleta Boulevard, SW, Albuquerque, New Mexico (Drawing G-1). The FRP has been prepared under Contract number 22 667 3200 0011, in accordance with the New Mexico Petroleum Storage Tank Regulations, New Mexico Administrative Code (NMAC) 20.5.119.1923, and work plan identification (WPID) number 4264, approved by the New Mexico Environment Department (NMED) Petroleum Storage Tank Bureau (PSTB) on March 9, 2021.

1.2. BACKGROUND

- Atex Gas, Inc. was owned and operated by Bell Station 213.
- In 1981, inventory records indicated that approximately 43,000 gallons of unleaded gasoline were released.
- In recent years, concentrations of benzene and total naphthalenes in several wells were above the standards.
- Groundwater in the area of concern was encountered at approximately 9-10 feet below the ground surface. Groundwater flow direction is to the south-southeast at a 0.001 foot per foot gradient.
- Soil in the vadose and saturated zones consists primarily of poorly to well-graded fine to coarse sands, some silty sand near the surface, and lenses of silt/clay.

1.3. APRIL 2022 GROUNDWATER FIELD DATA RESULTS

Provided below is a summary of field data:

Table 1. A Summary of Field Data

Well ID	Depth to Water	Well Casing Elevation	Ground Water Elevation	Temperature	Specific Conductance	pH	Oxidation-Reduction Potential	Dissolved Oxygen
	feet bTOC	*feet AMSL*	*feet AMSL*	*degrees Celsius*	*micro Siemens per centimeter*	*units*	*millivolts*	*micrograms per liter*
MW-1R	9.27	4,932.08	4,922.81	18.44	1,786	7.16	-117	1.98
MW-38	9.06	4,931.87	4,922.81	17.63	1,633	6.86	-81	1.17
MW-4R	10.68	4,933.42	4,922.74	19.44	1,418	7.21	-116	1.06
MW-6RR	11.01	4,933.90	4,922.89	18.74	1,207	7.26	21	1.77
NMW-1	9.72	4,932.63	4,922.91	18.21	2,006	6.75	-135	0.82
NMW-4R	10.03	4,932.53	4,922.50	19.16	1,307	7.03	-54	1.05

Table 1. A Summary of Field Data (Continued)								
Well ID	**Depth to Water**	**Well Casing Elevation**	**Ground Water Elevation**	**Temperature**	**Specific Conductance**	**pH**	**Oxidation-Reduction Potential**	**Dissolved Oxygen**
	feet bTOC	***feet AMSL***	***feet AMSL***	***degrees Celsius***	***micro Siemens per centimeter***	***units***	***millivolts***	***micrograms per liter***
RNMW-2	10.62	4,933.45	4,922.83	18.88	1,709	6.86	-71	0.83
RNMW-3	10.38	4,933.22	4,922.84	19.03	1,667	2.02	-63	1.02
Average	***10.10***	***4,932.89***	***4,922.79***	***18.7***	***1,592***	***6.4***	***-77***	***1.21***
bTOC	below the top of casing							
AMSL	above mean sea level							

- The average depth to water was 10.10 feet below the top of the well casing and the corresponding groundwater elevation was 4,922.79 feet above the mean sea level. The groundwater flow direction was to the south at a gradient of 0.0013 (Drawing G-2).
- The average groundwater temperature was 18.7 degrees Celsius.
- The average specific conductance was 1,592 micro Siemens per centimeter.
- The average pH was 6.4pH units.
- The average ORP was – 77 millivolts.
- The average DO was 1.21 micrograms per liter.

1.4. APRIL 2022 CONTAMINANT CONCENTRATIONS

Historically, the primary contaminants of concern (COCs) at the site have been petroleum hydrocarbons that included benzene, toluene, ethylbenzene, and total xylenes (BTEX), methyl tertiary-butyl ether (MTBE), and total naphthalenes. Recently, benzene and total naphthalene concentrations were above the standards.

Provided below are the results of the April 2022 groundwater sampling event. Presented concentrations are in micrograms per liter (µg/L).

Table 2. A Summary of Recent Laboratory Analytical Results									
Well Number	**Date Sampled**	**Benzene**	**Toluene**	**Ethyl-benzene**	**Total Xylenes**	**MTBE**	**Total Naphthalenes**	**Nitrate**	**Sulfate**
MW-1R	4/6/2022	<1.0	<1.0	<1.0	<1.5	<1.0	**4.3**	<0.50	**200**
MW-38	4/6/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.50	**130**
MW-4R	4/6/2022	<1.0	<1.0	<1.0	<1.5	**1.7**	<10	<0.50	**100**
MW-6RR	4/6/2022	<1.0	<1.0	<1.0	<1.5	<1.0	<10	<0.50	**95**
NMW-1	4/6/2022	**32**	<1.0	**1.4**	**3.4**	**4.5**	**8.4**	<0.50	**200**
NMW-4R	4/6/2022	<1.0	<1.0	<1.0	<1.5	**1.9**	<10	<0.50	**91**
RNMW-2	4/6/2022	**44**	<2.0	<2.0	<3.0	**51**	**13**	<0.50	**68**
RNMW-3	4/6/2022	<1.0	<1.0	<1.0	<1.5	**5.5**	<10	<0.10	**100**

Notes: **Bold** indicates concentration above the NMWQCC standard. MTBE = Methyl tertiary butyl ether

- Concentrations of benzene exceeded the standard of 5 micrograms per liter (µg/L) in NMW-1 (32 µg/L) and RMNW-2 (44 µg/L) (Drawing G-3).
- Concentrations of toluene, ethylbenzene, xylenes, and total naphthalene were below the standards.
- Concentrations of nitrate were below detection limits and standards.
- Sulfate concentrations varied between 68 milligrams per liter (mg/L) and 200 mg/L and were below the standard of 600 mg/L.
- Total dissolved solids concentration in RMNW-3 was 586 mg/L.

2.0 REMEDIATION

2.1. GOAL OF REMEDIATION

The goal of the remediation is to mitigate recalcitrant petroleum hydrocarbon concentrations in monitoring wells MW-1R, NMW-1, and RNWM-2 to facilitate a No Further Action at the site. In recent years, benzene and total naphthalene concentrations in these wells were above the New Mexico Administrative Code (NMAC) 20.6.2.3103 Standards for Ground Water. The remediation goal is to decrease benzene concentrations to below 5 µg/L and to decrease total naphthalene concentrations to below 30 µg/L, which are the corresponding NMAC 20.6.2.3103 standards.

2.2. SELECTED INJECTATE

The NMED PSTB Request for Quote specified "trap-and-treat" as the preferred technology for site remediation. EA selected Regenesis PetroFix™, which is a suspension of 1-2 micron activated carbon with nitrate and sulfate electron acceptors. PetroFix™ will remove hydrocarbons from the dissolved phase by adsorbing them onto activated carbon particles ("trap"). Thereafter, nitrate and sulfate electron acceptors will stimulate hydrocarbon biodegradation ("treat"). Nitrate is a fast-acting electron acceptor that will be utilized by bacteria first. This will be followed by the utilization of sulfate. Activated carbon will be self-regenerating as adsorbed contaminants degrade over time. PetroFix™ manufacturer specifications are provided in Appendix A.

2.3. TARGET ZONE AND AREA

The top of the injection zone was determined based on the saturated impacted zone, as follows:

- In MW-1R, between 8 and 20 feet bgs.
- In RNMW-2, between 10 and 20 feet bgs.
- In NMW-1, between 10 and 20 feet bgs.

The target areas are immediately around wells MW-1R, RNW-2, and NMW-1 are shown in Drawing C-1. The bore logs are included in Appendix B.

2.4. DOSAGE

A conservative estimate of up to 10 mg/L TPH-gasoline concentration was used to estimate the dosing of PetroFix™. Using an online Regenesis PetroFix™ calculator and estimated residual site contaminant levels, dosing was estimated to be approximately 800 pounds of PetroFix™ and 40 pounds of electron acceptors as sodium nitrate/ammonium sulfate mixture. To deliver the PetroFix™, it will be mixed with potable water for a mixture (i.e., injectate) volume of approximately 1,200 gallons (Appendix C). Initially, a small batch will be mixed and injected to determine a practical injectable volume. Based on that, the dilution with water will be adjusted

to match site conditions. Quantities per borehole, per foot, and per 30-gallon batch in each area are presented in Appendix C.

2.5. INJECTION METHODOLOGY

To optimize the injection, direct push (DP) technology will be used to inject the remediation fluids using a top-down application at the injection points shown in Drawing C-1. A New Mexico Licensed Driller will perform the injection. The target intervals are listed in Section 2.3 above. If the top-down method is not successful and the surfacing is persistent, as a contingency, a bottom-up method with a drop-tip injection-through-the-rod method may be tried and utilized.

2.6. MIXING AND INJECTION

PetroFix™ and electron acceptors will be mixed with potable water using a mechanical mixer in a mixing vessel. Water and PetroFix™ will be mixed first and the electron acceptor added last. An injection pump equipped with control valves and a pressure gauge will be used to inject the fluids through the injection tool. A high-pressure hose will be run from the pump to the top of the drilling rod. Pressures will be increased gradually to prevent surfacing. If surfacing occurs, the tool will be advanced deeper, and injection will be attempted again. If that fails, the injection tool will be advanced in another location in the general vicinity. If rods consistently encounter refusal, the injection interval and spacing will be adjusted to reflect site conditions. The injection volume will be measured using a mixing vessel or a totalizing flow meter. The injection volume, pressure, and times will be recorded on field forms (Appendix D). Field activities will be documented by photographs. A process flow diagram for injection is provided in Drawing P-1.

2.7. MONITORING DURING INJECTION

During injection, the following monitoring will be performed:

- The proportions of PetroFix™, acceptors, and water in each batch will be recorded.
- Groundwater levels in wells MW-1R, NMW-1, and RNMW-2 will be measured before and during the injection.
- Periodically during the injection in the area, a bailer will be lowered into MW-1R, NMW-1, and RNMW-2 and the color of the groundwater will be evaluated to determine whether short-circuiting into the wells occurred.
- The injection interval, pressure, and volume for each borehole/interval will be recorded.

2.8. OPTIMIZATION AND CONTINGENCY

Goal	Optimum Conditions	Contingency
Inject Remediation Fluids	According to the design and during the mobilization	Evaluate the bottom-up injection method Adjust injection pressure and flowrate Adjust the amount of water in the mixture Adjust injection spacing Adjust injection dosage Adjust injection interval
Demonstrate Remediation	Concentrations decrease and remain below the standards	Extend the duration of monitoring Perform another injection Evaluate alternative remediation methods

2.9. BOREHOLE PLUGGING AND RESTORATION

Upon completion, the injection boreholes will be plugged with bentonite pellets or grout. Bentonite pellets will be hydrated. The surface will be restored to match the pre-existing conditions and materials and all equipment will be removed from the site.

2.10. UTILITIES, NOTIFICATIONS, ACCESS AGREEMENT, AND HASP

Before the intrusive activities, a utility locate will be requested and marked by the respective utility entities. Borehole locations will be at least three feet away from the marked utilities.

EA will notify the NMED PSTB project manager and site owner at least 96-hours before implementation of field activities. A copy of the signed access agreement with the property owner is provided in Appendix E.

A copy of the Health and Safety Plan (HASP) prepared to cover the proposed project activities is included in Appendix F.

2.11. FRP PUBLIC NOTICE

The NMED PSTB be responsible for the public notice for this FRP. EA will post the notice provided by the NMED PSTB (Appendix H) on-site and mail notifications to the owner and the adjacent properties using certified mail.

2.12. OFFICE OF STATE ENGINEER PERMIT

Before implementation, the selected New Mexico licensed driller performing the injection will obtain a permit to advance the boreholes and plug them after the injection.

2.13. DISCHARGE PERMIT

EA has prepared and submitted to the NMED Groundwater Quality Bureau (GWQB) an Underground Injection Control Discharge Permit (UIC DP) that is provided in Appendix G. The injection will be performed after the UIC DP is approved. EA will provide a copy of the completion report to the NMED PSTB and NMED GWQB to document the activities.

The UIC DP requires public notice of the proposed activities. Typically, the tasks listed below are required and will be performed. However, NMED GWQB may modify the requirements. EA will notify NMED PSTB of any modifications or changes to the requirements below.

- The public notice will be published in the Albuquerque Journal or other local publication, whichever the GWQB specifies.
- A 2’ x 3’ sign will be posted for 30 days at the site.
- An 8.5” x 11” notice will be posted in the South Broadway Public Library, 1025 Broadway Blvd., SE, Albuquerque, NM 87102.
- A public notice flyer will be mailed by 1st Class mail to the property owners within 1/3 mile of the site.
- A public notice flyer will be mailed to the owner by certified mail.
- An affidavit of posting of a public notice, a list of names and addresses to whom the public notice was mailed, a list and names and addresses of owners of discharge sites, certified mail receipts, and a copy of the newspaper ad will be submitted to the NMED GWQB.

2.14. REPORTING

Upon completion of the injection, EA will prepare and submit to the NMED PSTB and NMED GWQB a completion report documenting the injection. The report will include the following:

- A discussion of the injection process;
- A site map showing the injection locations;
- Table(s) of injection depth intervals, pressures, and volumes;
- Field notes; and
- Photographic documentation.

2.15. POST-INJECTION MONITORING

Provided below is the scope of work for the post-injection groundwater monitoring. This task was not part of the scope of the EA contract.

- Gauge eight (8) monitoring wells (MW-1R, NMW-1, RNW-2, RNW-3, MW-4R, NMW-4R, MW-6RR, and MW-38).
- Purge stagnant groundwater and record groundwater field parameters.
- Collect groundwater samples from eight (8) wells MW-1R, NMW-1, RNW-2, RNW-3, MW-4R, NMW-4R, MW-6RR, and MW-38).
- Analyze samples for volatile organic compounds (VOCs), including total naphthalenes, by the United States Environmental Protection Agency (EPA) Method 8260B and sulfate and nitrate by EPA Method 300.1.
- Also, analyze a sample from RNMW-3 for Total Dissolved Solids by SM 2540C.
- Prepare and submit a groundwater monitoring report.

2.16. SCHEDULE

After the submittal of this FRP, a public notice of 30 days is required to allow the public to provide comments for the NMED PSTB and EA to respond to. After the issuance of the approval of the FRP by NMED PSTB, and approval of the UIC DP by the NMED GWQB, EA will proceed with scheduling the injection contractor and ordering the product. EA assumes that both approvals should be issued in the summer of 2022 and that work will also be scheduled and completed by September 30, 2022, the date of contract expiration. The fieldwork was estimated to take two days.

2.17. ANNUAL EVALUATION

In accordance with 20.5.12.119.1927 NMAC, the effectiveness of the injection should be evaluated annually and contain an analysis of the trend of contaminant concentrations in groundwater, project trends for contaminant concentration decline, evaluation of the effectiveness of the remediation based on injection performance, an estimated time to achieve

remediation goals, and recommendations for remediation enhancements. The annual evaluation was not scoped within the EA's current contract.

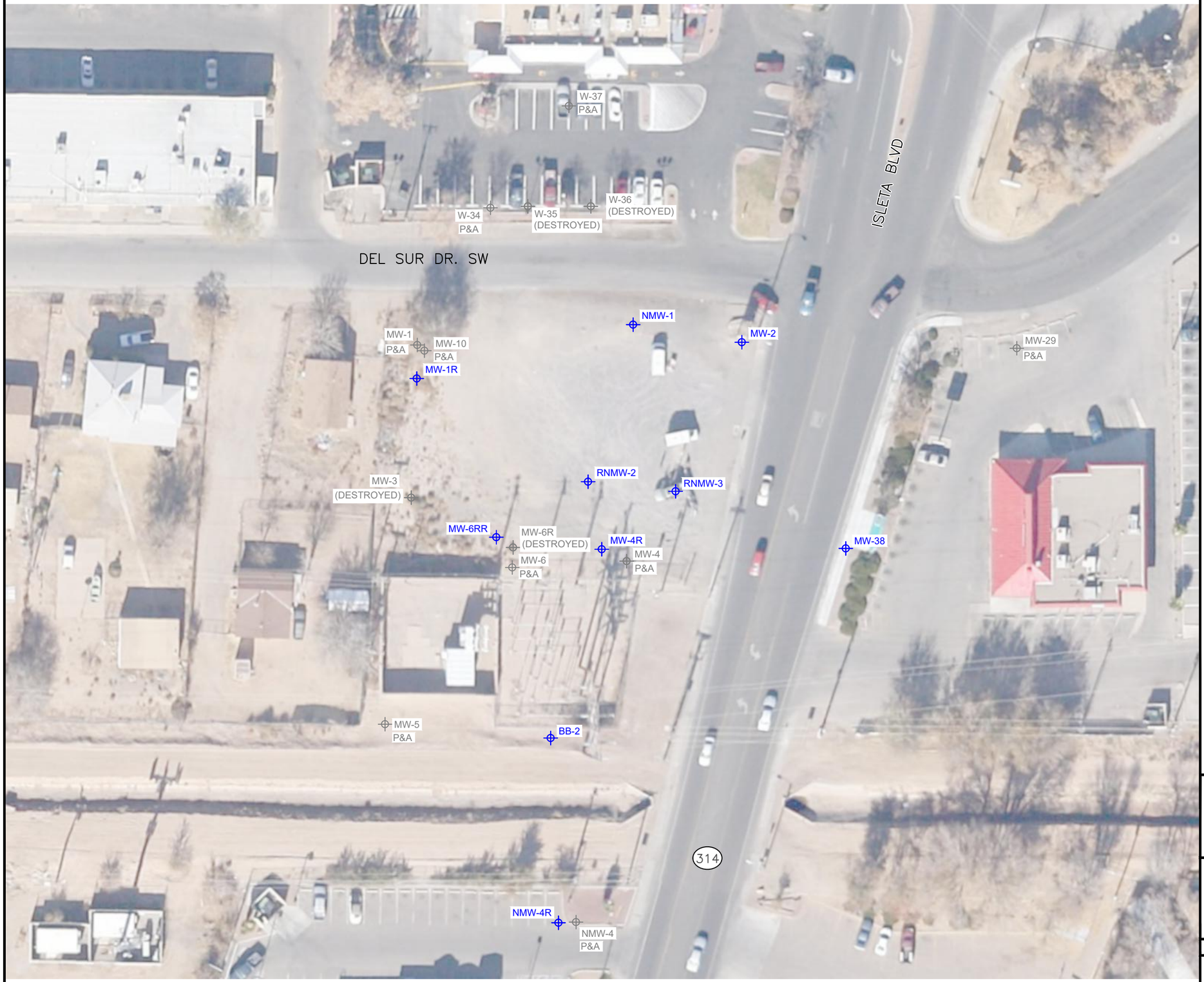
3.0 REFERENCES

EA Engineering, Science, and Technology, Inc. PBC (EA), 2022. Atex 213 Site Remediation Work Plan. March 2.

EA, 2022. Atex 213 Pre-Injection Groundwater Monitoring Report. May 17.

State of New Mexico. 2022. Professional Services Contract No. 22 667 3200 0011. February 11.

DRAWINGS



LEGEND:

MW-2	MONITORING WELL
MW-6 P&A	MONITORING WELL PLUGGED AND ABANDONED

50 25 0 50

SCALE IN FEET

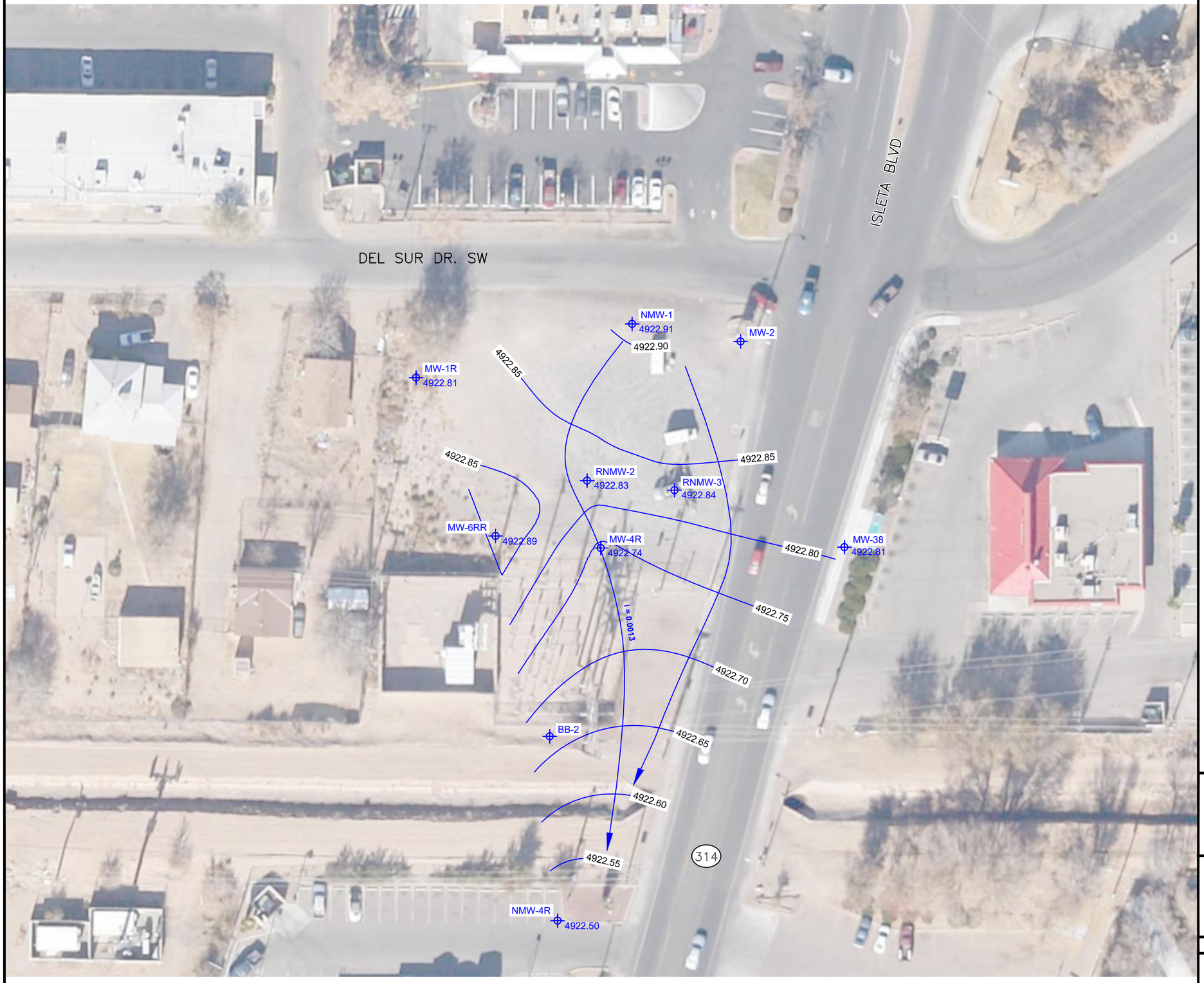
ATEX 213
ALBUQUERQUE, NEW MEXICO

DRAWING G-1
SITE MAP

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102

EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



LEGEND:

MW-2 — MONITORING WELL

4922.50 — GROUNDWTATER ELEVATION CONTOUR IN FEET ABOVE MEAN SEA LEVEL

GROUNDWATER FLOW DIRECTION

N

50 25 0 50

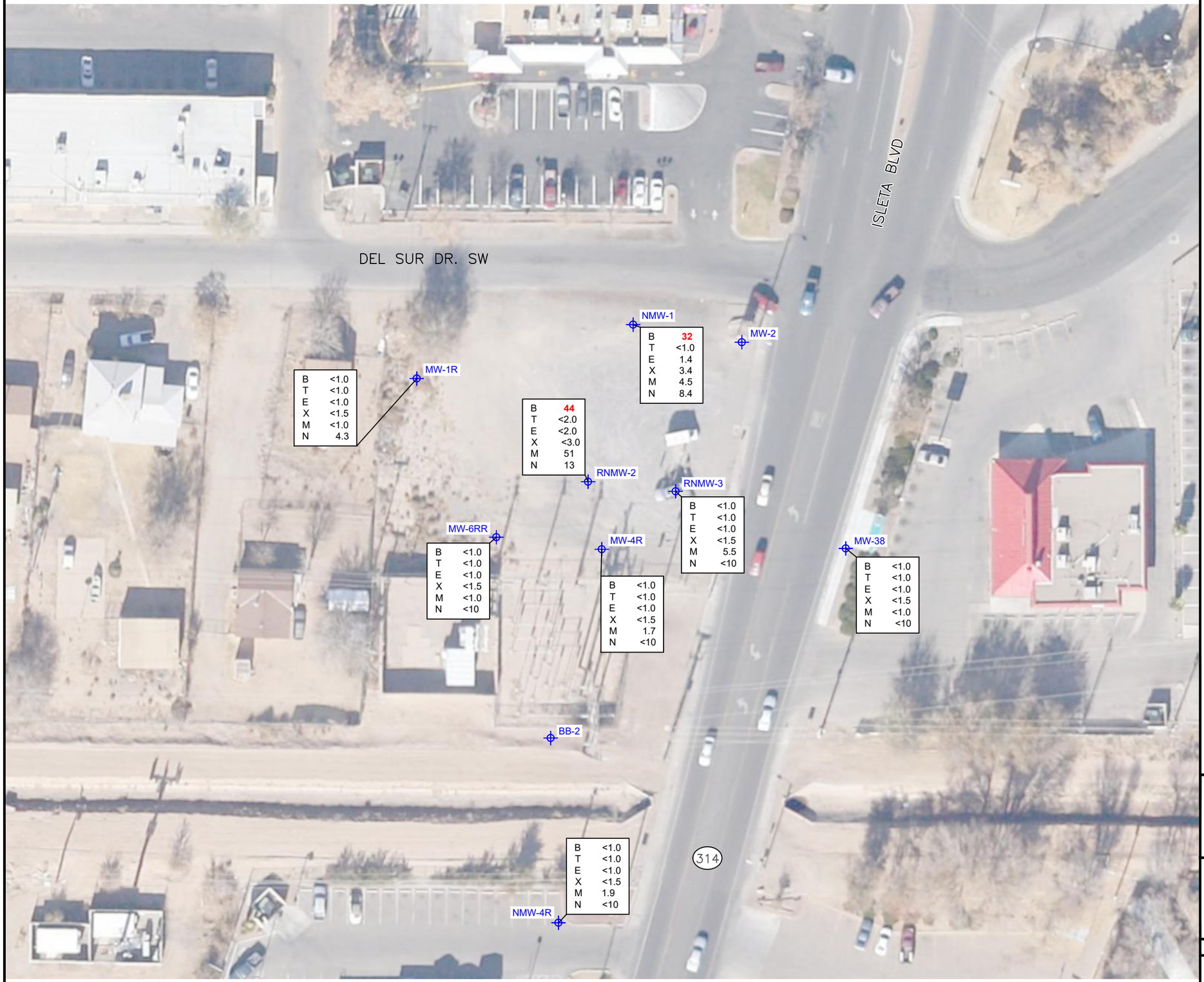
SCALE IN FEET

ATEX 213
ALBUQUERQUE, NEW MEXICO

DRAWING G-2
GROUNDWATER CONTOUR MAP
APRIL 6, 2022

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



LEGEND:

MW-2 MONITORING WELL

B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
M	METHYL TERTIARY BUTYL ETHER
N	TOTAL NAPHTHALENES

CONCENTRATIONS ARE IN MICROGRAMS PER LITER

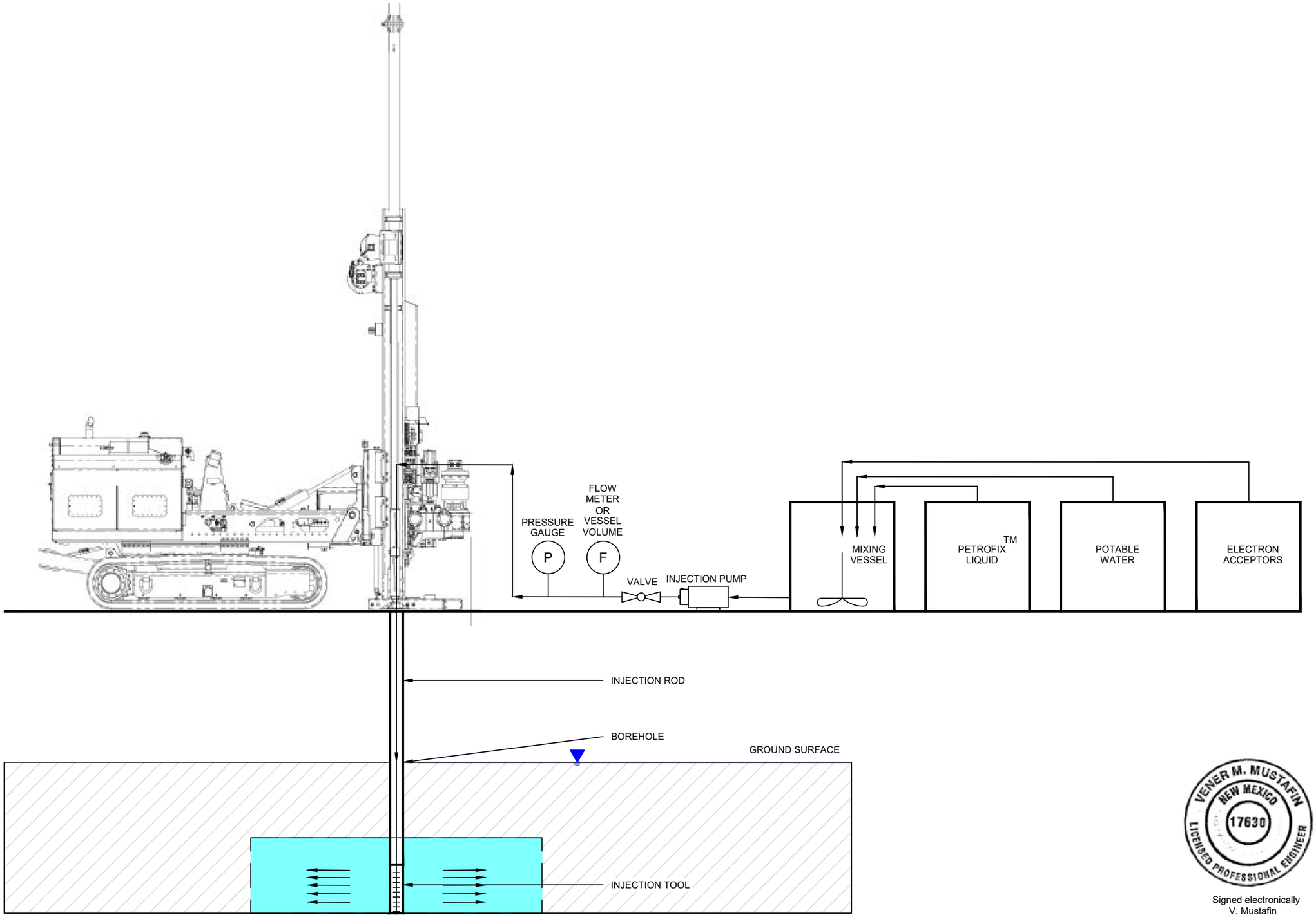
50 25 0 50
SCALE IN FEET

ATEX 213
ALBUQUERQUE, NEW MEXICO

FIGURE 3
VOLATILE ORGANIC COMPOUNDS
APRIL 6, 2022

PROJECT #:	6332224	PROJECT PHASE:	01	PROJECT MANAGER:	LA

320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. PBC



VENER M. MUSTAFIN
NEW MEXICO
17630
LICENSED PROFESSIONAL ENGINEER

Signed electronically
V. Mustafin
06/06/2022

REV	DATE	DRAWN	CHECKED	REMARKS
0	06/06/22	VM	JS	4284-2 FINAL REMEDIATION PLAN

REVISIONS

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Albuquerque, NM 87102
Phone: (505) 224-9013
Fax: (505) 224-9016
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

ATEX 213
3501 ISLETA BLVD., ALBUQUERQUE, NM
FINAL REMEDIATION PLAN

PROCESS FLOW DIAGRAM FOR INJECTION

PROJECT NUMBER:
6376501

DRAWING NO.:
P-1

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LEGEND:

MW-2 — MONITORING WELL

INJECTION POINT WITH AN ESTIMATED ROI

20 10 0 20

SCALE IN FEET

VENER M. MUSTAFIN NEW MEXICO 17630 LICENSED PROFESSIONAL ENGINEER

Signed electronically
V. Mustafin
06/06/2022

REV	DATE	DRAWN	CHECKED	REMARKS
0	06/06/22	VM	JS	4264-2 FINAL REMEDIATION PLAN

REVISIONS

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ATEX 213
3501 ISLETA BLVD., ALBUQUERQUE, NM
FINAL REMEDIATION PLAN

INJECTION PLAN

PROJECT NUMBER: 6376501

DRAWING NO.: C-1

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APPENDIX A – PETROFIX ™ SPECIFICATION SHEET

PetroFix™ Specification Sheet

PetroFix Technical Description

PetroFix is a new remedial technology designed to treat petroleum fuel spills in soil and groundwater. A simple-to-use fluid that can be applied under low pressure into the subsurface or simply poured into open excavations, PetroFix offers a cost-effective solution for environmental practitioners and responsible parties to address petroleum hydrocarbon contaminants quickly and effectively.

PetroFix has a dual function; quickly removing hydrocarbons from the dissolved phase, by absorbing them onto the activated carbon particles, while added electron acceptors stimulate hydrocarbon biodegradation in-place. PetroFix does not require high pressure "fracking" for application and can be applied with ease using readily available equipment associated with direct push technology.

The remedial fluid is a highly concentrated water-based suspension consisting of micron-scale activated carbon and biostimulating electron acceptors. PetroFix has a viscosity higher than water and is black in appearance. Its environmentally-compatible formulation of micron-scale activated carbon (1-2 microns) is combined with both slow and quick-release inorganic electron acceptors. A blend of additional electron acceptors is included along with the PetroFix fluid. Practitioners can select between a sulfate and nitrate combination blend (recommended), or sulfate only for the additional electron acceptors required.

PetroFix Design Assistant

REGENESIS has developed a proprietary web-based design assistant called PetroFix Design Assistant™ that provides environmental professionals the ability to input their site parameters, determine the required product amount, and order the product through REGENESIS' customer service. The PetroFix Design Assistant includes defaults and warnings throughout the process to guide users toward effective designs that will offer best results.

To access the PetroFix Design Assistant, create an account and login at www.PetroFix.com

PetroFIX™ Remediation Fluid

PetroFix Fluid Chemical Composition	Properties
Activated Carbon - CAS 7440-44-0 > 30% Calcium Sulfate Dihydrate - CAS 10101-41-4 < 10%	**Appearance:** Black Fluid **Viscosity:** 1500-3500 cP (corn syrup-like) **pH:** 8-10

PetroFix Electron Acceptor Powder Chemical Composition	Properties
OPTION 1 - EA Blend (preferred) Sodium Nitrate - CAS 7631-99-4, 50% Ammonium Sulfate - CAS 7783-20-2, 50% OPTION 2 - EA Blend NF Potassium Sulfate - CAS 7778-80-5, 50% Ammonium Sulfate - CAS 7783-20-2, 50%	**Appearance:** White Powder

Storage and Handling Guidelines

Storage:

- Store away from incompatible materials
- Store in original closed container
- Store at temperatures between 40°F and 95°F
- Do not allow material to freeze or store in direct sunlight.
- Freezing and hot weather technical memo can be accessed at www.petrofix.com/resources or at this ***link*** here.
- Dispose of waste and residues in accordance with local authority requirements

Handling:

- Never add additives to solution prior to mixing with water
- Wear appropriate personal protective equipment
- Do not taste or ingest
- Observe good industrial hygiene practices
- Wash hands after handling

Applications

PetroFix is mixed with water on-site and easily applied onto the sub-surface using low pressure injections, or mixed in excavations. PetroFix is compatible with and can be used with ORC Advanced® to expedite rates of biodegradation. For more information about co-application with ORC Advanced, contact REGENESIS.

REGENESIS®

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APPENDIX B – BORELOGS – MW-1R AND RNMW-2

EA Engineering, Science, and Technology, Inc.

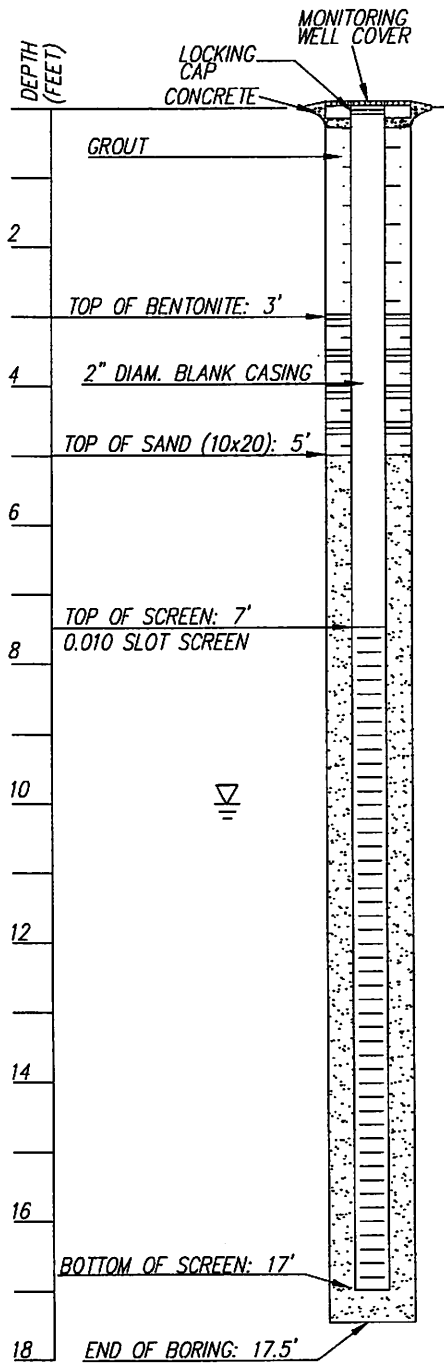
BORING/WELL CONSTRUCTION LOG

Project:	Atex 213	Project Number:	6250106.05
Drilling Company:	Rodgers Drilling	Start Time/Date:	1105; 4-29-2014
Drilling Rig/Bit:	CME-75 HSA, 24" split spoon	Completion Time/Date:	1239; 4-29-2014
Driller:	John Tanner	Final Depth:	21 feet
Boring/Well ID:	MW-1R	Logged By:	L. Andress

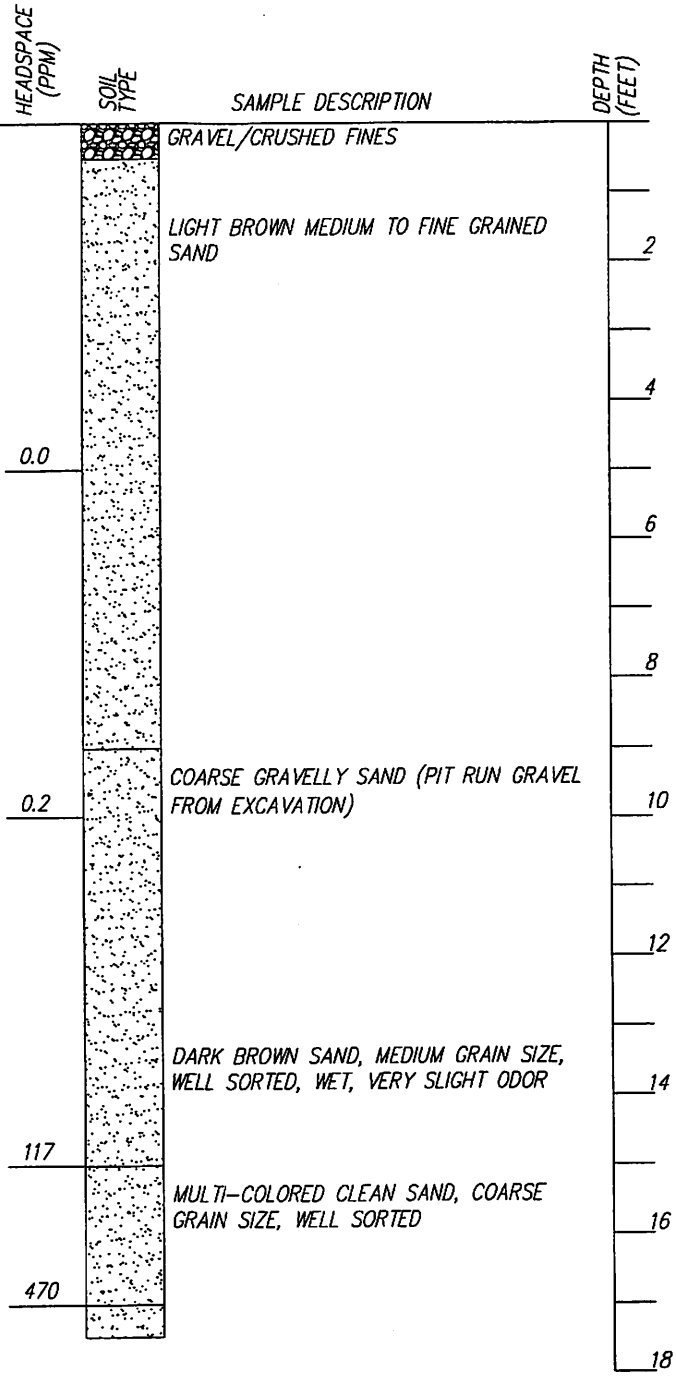
Sample Type	Recovery (in)	Sample Interval	PID Reading (ppmv)	USCS Soil Type	Depth, ft bgs	Soil Description (soil type, color, density/consistency, plasticity, moisture, grain size, angularity/minerology, other)	Boring and/or Well Details
Cuttings	NA				1	0-4.0', sand, brown, loose, dry	Bentonite
					2		
					3		
					4		
24" Split Spoon	24		0.0	SP	5	4'-6', poorly graded sand, brown (7.5 YR 5/3), loose, dry, fine grained,	PVC
					6	with occasional medium size grains (subrounded quartz and feldspar),	
					7		
					8		
				SP	9	8'-11', poorly graded sand, dark gray (7.5YR 4/1), loose, wet, medium	Sand
	14.5		1470.0		10	grained, strong petroleum hydrocarbon odor	
					11		
				SW	12	11'-14', Same as above but well graded with a grain size decreasing to	
					13	a medium to coarse grained sand.	
					14		
	12		292.0	SP	15	14'-19', poorly graded sand, gray (7.5 YR 5/1), loose, wet, coarse grained	
					16	occasional gravel up to 3mm, subrounded grains (quartz, plagioclase,	
					17	feldspars, rock (igneous, sedimentary, metamorphic)	
					18	strong petroleum hydrocarbon odor	
					19		
	6			SW	20	19'-21', well graded sand with gravel,multi-colored, loose, wet	
			26.7		21	subrounded-subangular grains (as above) 1-5mm. Faint petroleum odor.	Sand
						21': Total Depth	
						5.5" pointed end cap: ~19.5'-19' 0.010" Slot Screen: 19'-4' 2" Schedule 40 PVC riser: 4'-0.5' 10-20 Silica Sand: 21'-3' Hydrated Coated Bentonite Pellets 3'-0.5'	

SS = Split Spoon CUT = Drill Cuttings

WELL COMPLETION DATA



SOIL BORING LOG



DRILLER: GEOMECHANICS SOUTHWEST INC.
DATE COMPLETED: APRIL 27, 2005
BOREHOLE DIAMETER: 6 3/4"
SAMPLER TYPE: SPLIT SPOON
DRILLING METHOD: HOLLOW STEM AUGER
HEADSPACE: PID
TOTAL BORING DEPTH: 17.5 FT
TOTAL SAMPLE DEPTH: 17 FT
DEPTH TO WATER: 10 FT
LOGGED BY: SMA (CFK)

LOG LEGEND

PREDOMINANTLY SAND

PREDOMINANTLY GRAVEL

RNMW-2

REPLACEMENT MONITORING WELL NMW-2: SOIL BORING LOG AND WELL COMPLETION DIAGRAM

ATEX #213

ISLETA BLVD, ALBUQUERQUE, NEW MEXICO

3451 CANDELARIA ROAD NE, SUITE D
ALBUQUERQUE, NEW MEXICO, 87107
505-299-0942, FAX 505-293-3430
SERVING THE SOUTHWEST AND ROCKY MOUNTAINS

DRAWN AM
CHECKED JAB
APPROVED JAB

REVISIONS
BY DATE DESCR.
BY DATE DESCR.

341458
5/26/05

APPENDIX C – AMENDMENT DOSAGE

APPENDIX C - AMENDMENT DOSAGE
ATEX 213, 3501 ISLETA BLVD., ALBUQUERQUE, NEW MEXICO

REVIEW OR ADJUST
Application Details

Injection volume and point spacings are critical to achieving good product coverage. We have provided recommended starting values, but you may edit the fields as needed. Warnings are displayed for concerns with edited values.

MIX TANK VOLUME
275 gal

INJECTION POINT SPACING
7.5 ft

CAUTION: Injection point spacing is larger than recommended to ensure adequate coverage. Larger injection spacing is possible, but should be field verified. Download application instructions for more detail.

DILUTION FACTOR
14.7

CAUTION: The total injection volume is below what we would recommend for this site. Consider increasing your dilution factor.

ATEX 213 - TOTAL
Application Summary

DELIVERY POINTS	**9**
Product Volume	82 Gal
Water Volume	1,122 Gal
TOTAL VOLUME	**1,204 Gal**
Inject Volume/Point	134 Gal
Volume Per Vertical ft.	13 Gal
Soil Type	Mix of coarse and fine
EFFECTIVE PORE VOL. FILLED	**17%**
Mix Tank Fill Volume	275 Gal
Product to Add	19 Gal
Water to Add	256 Gal
Number of Batches Required	4.38

ATEX 213 - Total Results

LAST UPDATED: 06.06.22

Reported GW Concentrations (µg/L)	
Benzene	40
Toluene	0
Ethylbenzene	2
Xylenes	5
Trimethylbenzenes	0
Naphthalenes	40
MTBE	10
TPH-GRO	10,000
TPH-DRO	0
Total Groundwater Concentration	10,050

TREATMENT AREA	480 ft^2
TREATMENT THICKNESS	10.0 ft
TREATMENT VOLUME	178 yd^3
SUGGESTED DOSE	4.50 lb/yd^3

TOTAL
Product Required
800 lbs
Electron Acceptor 40 lbs

View/Customize Application

MW-1R		
Total Mixture Volume	400	gallons
Total PetroFix Volume	73	gallons
Total Water Volume	327	gallons
Total Mass of Electron Acceptors	13.3	pounds
Injection Injerval	8 - 20	feet bgs
Interval	12	feet
Number of Boreholes	3	boreholes
Mixture Receipe		
Per Borehole		
Total Mixture per Borehole	133	gallons
PetroFix per Borehole	24.4	gallons
Water per Borehole	109	gallons
Electron Acceptor per Borehole	4.4	pounds
Per Foot		
Total Mixture per Foot	11.1	gallons
PetroFix Per Foot	2.0	gallons
Water per Foot	9.1	gallons
Electron Acceptor per Foot	0.4	pounds
Per Batch		
Mixture Receipe Per Batch	30	gallons
Number of Batches	13.3	
PetroFix	5.5	gallons
Water	24.5	gallons
Electron Acceptor	1.0	pounds

NMW-1		
Total Mixture Volume	400	gallons
Total PetroFix Volume	73	gallons
Total Water Volume	327	gallons
Total Mass of Electron Acceptors	13.3	pounds
Injection Injerval	10-20	feet bgs
Interval	10	feet
Number of Boreholes	3	boreholes
Mixture Receipe		
Per Borehole		
Total Mixture per Borehole	133	gallons
PetroFix per Borehole	24.4	gallons
Water per Borehole	109	gallons
Electron Acceptor per Borehole	4.4	pounds
Per Foot		
Total Mixture per Foot	13.3	gallons
PetroFix Per Foot	2.0	gallons
Water per Foot	9.1	gallons
Electron Acceptor per Foot	0.4	pounds
Per Batch		
Mixture Receipe Per Batch	30	gallons
Number of Batches	13.3	
PetroFix	5.5	gallons
Water	24.5	gallons
Electron Acceptor	1.0	pounds

RNMW-2		
Total Mixture Volume	400	gallons
Total PetroFix Volume	73	gallons
Total Water Volume	327	gallons
Total Mass of Electron Acceptors	13.3	pounds
Injection Injerval	10-20	feet bgs
Interval	10	feet
Number of Boreholes	3	boreholes
Mixture Receipe		
Per Borehole		
Total Mixture per Borehole	133	gallons
PetroFix per Borehole	24	gallons
Water per Borehole	109	gallons
Electron Acceptor per Borehole	4.4	pounds
Per Foot		
Total Mixture per Foot	13.3	gallons
PetroFix Per Foot	2.4	gallons
Water per Foot	10.9	gallons
Electron Acceptor per Foot	0.4	pounds
Per Batch		
Mixture Receipe Per Batch	30	gallons
Number of Batches	13.3	
PetroFix	5.5	gallons
Water	24.5	gallons
Electron Acceptor	1.0	pounds

APPENDIX D – FIELD FORMS

Atex 213, 3501 Isleta Boulevard, Albuquerque, NM

Contractor (company):

Contractor Personnel:

List of Contractor Equipment:

Before starting, take photos of pre-existing conditions of the site

Take photos of each piece of equipment, instrumentation, materials, overall setup and anything of importance

Drill Rig (manufacturer, model)	
Rods (diameter, run length)	
Injection Tool (diameter, length, injection interval length)	
Support Truck (manufacturer, model)	
Injection Pump (manufacturer, model)	
Mixer (volume, type)	
Water Tank (volume, type)	
PetroFix (volume, concentration)	Activated Carbon, > 30%
Electron Acceptor (volume, composition)	Sodium Nitrate/Ammonium Sulfate
Water Source	
Bentonite (type, mass, volume, container)	
Flowmeter (type, manufacturer, model, location)	
Pressure (type, scale, resolution, location)	
Sorbent (type, volume, mass)	

INJECTION FORM
ATEX 213, 3501 ISLETA BLVD, ALBUQUERQUE, NEW MEXICO

Date and Time:	6381301
EA Personnel:	
Subcontractor Personnel and Equipment:	
Project Manager/PE: Vener Mustafin	505-296-1070 vmustafin@eaest.com

Batch Mix Recipe

Volume of PetroFix, gallons	
Mass of Amendments, pounds	
Volume of Water, gal	

Injection

Borehole ID	Time - Start/End	Interval, ft bgs	Pressure, psi	Injected Volume, gal		Notes

Notes:

APPENDIX E – ACCESS AGREEMENT

CONSENT FOR ACCESS TO PROPERTY

Name of Property Owner: Hombre de Petro, LLC
Location of Property: 3501 Isleta Boulevard Southwest, Albuquerque, New Mexico, 87105

This is my consent to the New Mexico Environment Department (Department) and its authorized officers, employees, contractors, and representatives for access to the above-described Property for corrective action consistent with the requirements of 20.5.119 NMAC and approved by the Department. Activities may include but are not limited to the following:

- Ongoing gauging, groundwater sampling, repair and plugging of existing monitoring wells as needed.
- Injection of chemical compounds to remediate soil and groundwater contamination from petroleum release.
- All work will be conducted in an efficient, courteous manner and with minimal disruption and inconvenience to the patrons, employees, agents, and representative of the Owner.

The Department and its authorized officers, employees, contractors, and representatives will provide the Property Owner written or oral notice prior to each entrance onto Property. This notice shall be given to:

Property Owner: Hombre de Petro LLC / Edward Garcia
Owner's Address: P.O. Box 26209
Telephone: 505-260-5188
Email: mkonker@garciacars.com

It may be possible for the Property Owner to observe activities on the Property; however, all operations shall be conducted in accordance with the Occupational Health and Safety Regulations (see 29 CFR § 1910.120) and should any potential fire, explosion, health, safety or other hazards of the hazardous waste operation be identified, the Property Owner will not be allowed to observe. Should the property owner choose to have split samples collected and analyzed, then the Property Owner is responsible to arrange in advance for the provision of, and costs associated with any equipment, accessories and laboratory costs required for such split samples.

Installations on the Property will be placed to minimize interference with the movement of vehicles and regular activities on the Property. Following completion of the project, the Department and its authorized officers, employees, contractors, and representatives will properly abandon all wells, remove equipment, all materials, trash, fencing, and other associated items. The Department and its authorized officers, employees, contractors, and representatives will otherwise return the property as close as possible to the pre-entrance condition.

This permission is given by me voluntarily with knowledge of my right to refuse and without coercion. I have had an opportunity to ask questions and all my questions have been answered to my satisfaction.

Signature-Property Owner

3.28.22
Date

APPENDIX F – HEALTH AND SAFETY PLAN

Site Name: Atex 213	**Site Contact:** Vener Mustafin	**Telephone:** (505) 296-1070
Location: 3501 Isleta Blvd, SW Albuquerque, NM	**Client Contact:** Corey Jarrett	**Telephone:** (505)-372-8335
EPA I.D. No.: N/A	**Prepared By:** Vener Mustafin	**Date:** March 20, 2022
Project No. 6381301	**Date of Proposed Activities:** 2022-2023	

Objectives:

All personnel working on this site are trained per 29 CFR 1910.120 and are currently active in a medical monitoring program to perform work on a hazardous waste site.

The objective of this health and safety plan (HSP) is to list the site-specific hazards and the hazards controls to be used to ensure worker safety for the following activities:

- Inject PetroFix using a direct push method
- Conduct Groundwater Monitoring

Site Type: *Check as many as applicable.*

- ☐ Active
- ☐ Inactive
- ☐ Secure
- ☒ Unsecure
- ☐ Industrial Waste
- ☐ Landfill
- ☐ Confined space **(must use long form)**
- ☐ Uncontrolled Waste **(must use long form)**
- ☐ Wellfield
- ☒ Underground storage tank
- ☐ Unknown **(must use long form)**
- ☐ Other *(Egg Farm)*

Site Description/History and Site Activities:

Atex Gas, Inc. was owned and operated by Bell Station 213. In 1981, inventory records indicated that approximately 43,000 gallons of unleaded gasoline were released. In June 2021, benzene groundwater concentrations exceeded the standard in NMW-1 (56 micrograms per liter [µg/L]), RNMW-2 (13 µg/L), and total naphthalene concentration exceeded the standard in MW-1R (37 µg/L). Additionally, in the past, well W-35 total naphthalene concentrations were above the standard; this well was destroyed during the construction of McDonald's.

EA is planning to conduct pre-injection groundwater monitoring and inject 800 gallons of PetroFix and amendments remediation fluids using a direct push method to mitigate residual petroleum hydrocarbons associated with the release of gasoline. Post-injection monitoring may be also conducted if PSTB approves the scope and provides funding.

Note: A site map, definitions, and additional information about this form are provided on the last three pages of this form.

Waste Management Practices:

The site contains trace levels of petroleum hydrocarbons. Disposable gloves, bailers, twine, paper towels, and other waste will be placed in plastic trash bags and disposed of at municipal trash receptacles. Soil cutting will not be generated. Purge groundwater will be discharged onto impervious ground onsite. The disposal of investigation-derived waste will be following NMED PSTB requirements.

Waste Types:	☒ Liquid	☐ Solid	☐ Sludge	☐ Gas
Waste / Chemical Characteristics:	☐ Corrosive	☐ Oxidizer	☐ Flammable	
☐ Toxic	☐ Explosive	☐ Volatile	☐ Radioactive	
☐ Reactive	☐ Inert		☐ Other *(specify)* _____	

Chemical / Health Hazards of Concern:

- ☐ Explosion or fire hazard – monitor with combustible gas meter
- ☐ Oxygen deficiency – monitor with an oxygen meter
- ☐ Landfill gases – monitor with methane and hydrogen sulfide meter
- ☐ Surface tanks
- ☐ Potential inhalation or skin absorption hazard that is immediately dangerous to life and health (IDLH) – **must use the long form**
- ☐ Inorganic chemicals (nitrate and chloride)
- ☐ Organic chemicals (PCP)
- ☒ Petroleum Hydrocarbons (as TPH DRO)
- ☐ Underground storage tanks
- ☒ Other Regenesis PetroFix – carbon-based remediation compound

Explosion or Fire Potential:	☐ High	☐ Medium	☒ Low	☐ Unknown

Radiological Hazards of Concern: None known

☐ Ionizing radiation (Radioactive materials, X-ray) **(must use long form)**
☐ Non-ionizing radiation (ultraviolet, lasers)

Safety Hazards of Concern: (Based on anticipated clean-up operations)

☒ Heavy Equipment
☒ Pinch points
☒ Energized and rotating equipment (direct push rig)
☒ Steam cleaning equipment
☐ Excavations
☐ Welding or torch cutting (Hot work)
☒ Sharp Objects
☒ Hazardous energy sources (electrical, hydraulic)
☒ Buried utilities
☒ Overhead utilities
☐ Suspended loads
☐ Buried drums
☐ Work over or near water
☐ Work from elevated platforms
☒ Manual Lifting
☒ Other *(specify)*
Heavy traffic

Physical Hazards of Concern:

☒ Heat stress
☒ Cold stress
☒ Slips, trips, falls
☒ Illumination
☒ Vibration
☒ Noise
☒ Solar (sunburn)
☐ Unstable or steep terrain
☐ Other *(specify) Traffic*_____

Biological Hazards of Concern:

☐ Poisonous plants (poison ivy, poison oak)
☐ Spiders (black widow or brown recluse spiders)
☐ Medical waste
☐ Snakes (rattlesnakes)
☒ Stinging insects (bees, wasps)
☐ Animals (feral dogs, mountain lions, etc.)
☐ Blood or other body fluids

Unexploded Ordnance:

☐ Unexploded Ordnance (UXO) **(must use long form)**
☐ Chemical Warfare Materials (CWM) **(must use long form)**
☐ Explosive ordnance waste (OEW) **(must use long form)**

Chemical Products EA Engineering Will Use or Store On Site: (Attach a Safety Data Sheet [SDS] for each item.)

☒ Alconox® or Liquinox®

☒ Mercuric Chloride

☐ Nitric Acid (HNO_3)

☐ Sodium hydroxide (NaOH)

☐ Sulfuric Acid (H_2SO_4)

☒ Other *(specify)* Petrofix

☐ Other *(specify)* _____

☐ Other *(specify)* _____

☐ Other *(specify)* _____

☐ Other *(specify)* _____

☐ Other *(specify)* _____

Chemicals Present at Site	Highest Observed Concentration* (groundwater)	PEL/TLV (specify ppm or mg/m^3)	IDLH Level (specify ppm or mg/m^3)	Symptoms and Effects of Acute Exposure	Photo-ionization Potential (eV)
Benzene	120 µg/L	1 ppm (PEL)	500 ppm CARC	Severe irritant (skin, eye); reproductive toxin; CNS narcotic	9.24
Toluene	<2.0 µg/L	100 ppm	500 ppm	Severe irritant (skin, eye); reproductive toxin; CNS narcotic; fatigue, weakness, dizziness; headache	8.82
Ethylbenzene	3.6 µg/L	100 ppm	800 ppm	Severe irritant (skin, eye, mucous membranes); headache; narcosis	8.76
Xylenes (o, m, and p)	13 µg/L	100 ppm	900 ppm	Irritant (skin, eye, throat); reproductive toxin, CNS narcotic	8.44 – 8.56
Gasoline	NA	300 ppm	CARC	Irritant (skin, eye, mucous membrane); CNS narcotic	NA
Petrofix	Carbon Based Compound	Activated Carbon 2 mg/m^3 Calcium Sulfate Dihydrate 10 mg/m^3	None	Irritant (eyes, nose, throat);	NA

Notes: NIOSH Pocket Guide to Chemical Hazards, https://www.cdc.gov/niosh/npg/default.html

CARC = Carcinogenic
eV = Electron volt
GW = Ground water
IDLH = Immediately dangerous to life or health
mg/L = Milligram per liter
mg/m^3 = Milligram per cubic meter
NA = Not available
PEL = Permissible exposure limit
ppm = Part per million
TLV = Threshold limit value

Field Activities Covered Under This Plan:

Task Description	Type	Level of Protection: Primary	Level of Protection: Contingency	Date of Activities
1 Groundwater Sampling	☒ Intrusive ☐ Nonintrusive	☐ C ☒ D	☐ C ☐ B	2022-2023
2 Petrofix Injection	☒ Intrusive ☐ Nonintrusive	☐ C ☒ D	☐ C ☐ D	2022

Site Personnel and Responsibilities (include subcontractors):

Employee Name and Office Code	Task	Responsibilities
Vener Mustafin	1	Project Manager or Designated Leader: Directs project activities, makes site safety coordinator (SSC) aware of pertinent project developments and plans, and maintains communications with the client as necessary.
Aaron Kupper, others	1	Site Safety Coordinator (SSC): Ensures that appropriate personal protective equipment (PPE) is available, enforces proper utilization of PPE by on-site personnel, suspends investigative work if he or she believes that site personnel are or may be exposed to an immediate health hazard, implements the health and safety plan, and reports any observed deviations from anticipated conditions described in the health and safety plan to the health and safety representative.
Aaron Kupper, others	1	Field Personnel: Complete tasks as directed by the program manager, field team leader, and SSC and follow all procedures and guidelines established in the EA Engineering Health and Safety Manual.

Protective Equipment: (Indicate the type of material as necessary for each task; attach additional sheets as necessary)

Task: ☒ 1 ☐ 1	Task: ☒ 2 ☐ 2
Level: ☒ D ☐ C	Level: ☒ D ☐ C
Level C as contingency (see note below)	☒ Primary ☐ Contingency
RESPIRATORY	**RESPIRATORY**
☐ Not needed	☐ Not needed
☐ APR:	☐ APR:
☐ Cartridge:	☐ Cartridge:
☐ Escape mask:	☐ Escape mask:
☐ Other:	☒ Other: Dust Mask
PROTECTIVE CLOTHING	**PROTECTIVE CLOTHING**
☐ Not needed	☐ Not needed
☐ Tyvek® coveralls:	☒ Tyvek® coveralls: if preferred
☐ Saranex® coveralls:	☐ Saranex® coveralls:
☐ Coveralls:	☐ Coveralls:
☒ Other: Work Clothes	☐ Other:
HEAD AND EYE	**HEAD AND EYE**
☐ Not needed	☐ Not needed
☐ Safety glasses:	☒ Safety glasses:
☐ Face shield:	☐ Face shield:
☐ Goggles:	☐ Goggles:
☐ Hard hat:	☒ Hard hat:
☐ Other:	☐ Other:
GLOVES	**GLOVES**
☐ Not needed	☐ Not needed
☐ Under gloves:	☐ Under gloves:
☒ Gloves: Nitrile	☒ Gloves: Nitrile
☐ Over gloves:	☒ Over gloves: Work Gloves
FIRST AID EQUIPMENT	**FIRST AID EQUIPMENT**
☐ Not needed	☐ Not needed
☒ Standard First Aid kit	☒ Standard First Aid kit
☒ Portable eyewash	☒ Portable eyewash
BOOTS	**BOOTS**
☐ Not needed	☐ Not needed
☒ Work boots: Steel Toed	☒ Work boots:
☐ Over boots:	☐ Over boots:
OTHER	**OTHER**
☐ (specify):	☐ (specify):

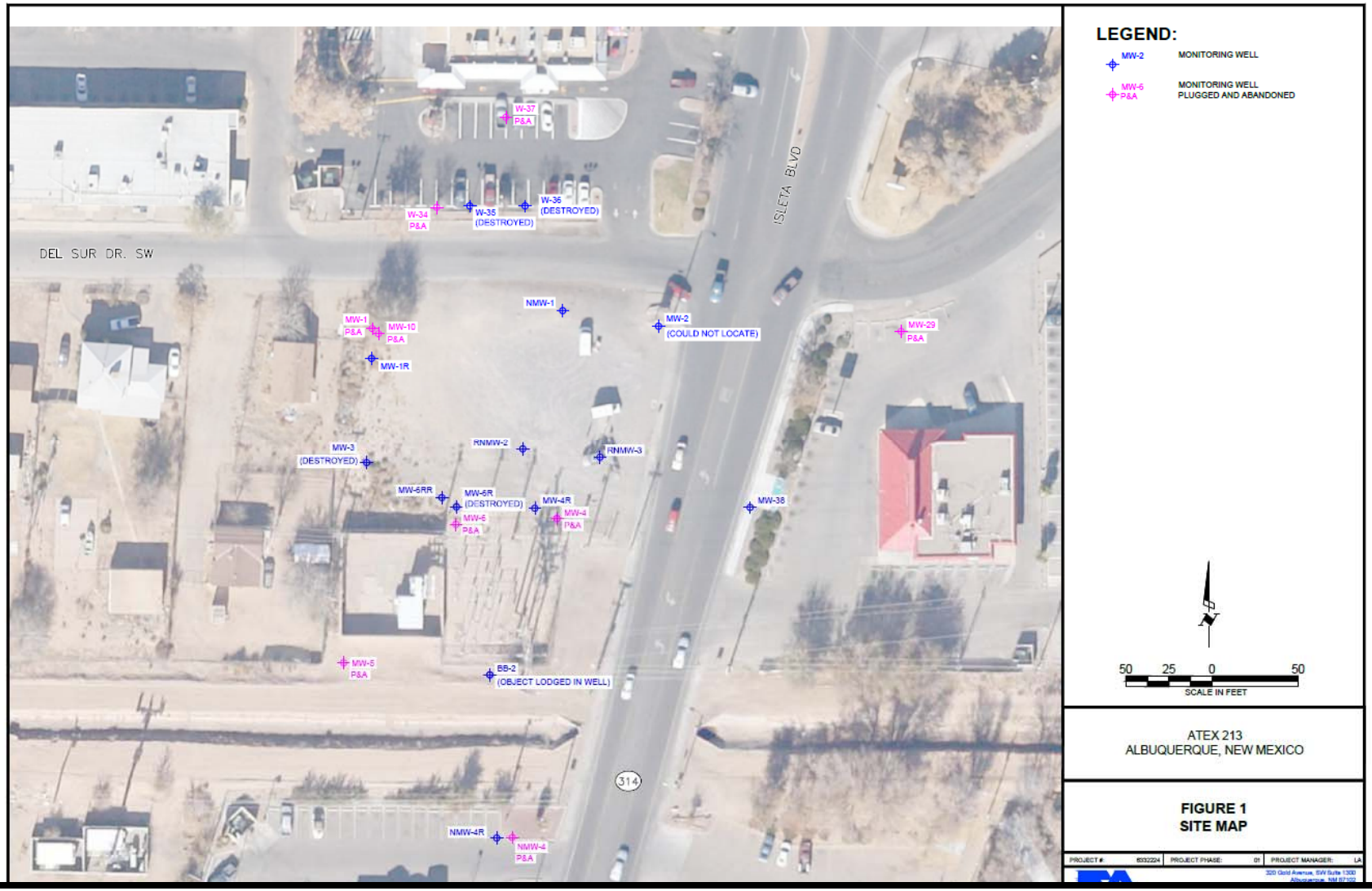
Note: A dust mask is recommended when handling Petrofix.

APR = Air-purifying respirator

Monitoring Equipment: (Specify instruments needed for each task; attach additional sheets as necessary)				
Instrument	Task	Instrument Reading	Action Guideline	Comments
Combustible gas indicator model:	☐ 1	0 to 10% LEL	No explosion hazard	☒ Not needed
	☐ 2	10 to 25% LEL	Potential explosion hazard; notify SSC	
		> 25% LEL	Explosion hazard; interrupt task; evacuate the site, notify SSC	
O2 meter model:	☐ 1	> 23.5% O2	Potential fire hazard; evacuate the site	☒ Not needed
	☐ 2	23.5 to 19.5% O2	Oxygen level normal	
		< 19.5% O2	Oxygen deficiency; interrupt task; evacuate site; notify SSC	
Photoionization detector model: ☐ 11.7 eV ☒ 10.6 eV ☐ 9.8 eV ☐ ____eV	☐ 1	>0 to 5 ppm above background	Level D	☒ Not needed
	☐ 2	>5 to 50 ppm above background	Level C	
		>50 ppm above background	Evacuate site; notify SSC	
Flame ionization detector model:	☐ 1	>0 to 5 ppm above background	Level D	☒ Not needed
	☐ 2	>5 to 50 ppm above background	Level C	
		>50 ppm above background	Evacuate site; notify SSC	
Detector tubes models:	☐ 1 ☐ 2	Specify:	Specify:	Note: This action level for upgrading the level of protection is one-half of the contaminant's PEL. If the PEL is reached, evacuate the site and notify the SSC. ☒ Not needed
Respirable dust monitor model:	☐ 1 ☐ 2	Specify:	Specify:	☒ Not needed
Other: (specify):	☐ 1 ☐ 2	Specify:	Specify:	☒ Not needed

Notes: eV = Electron volt PEL = Permissible exposure limit LEL = Lower explosive limit ppm = Part per million O_2 = Oxygen

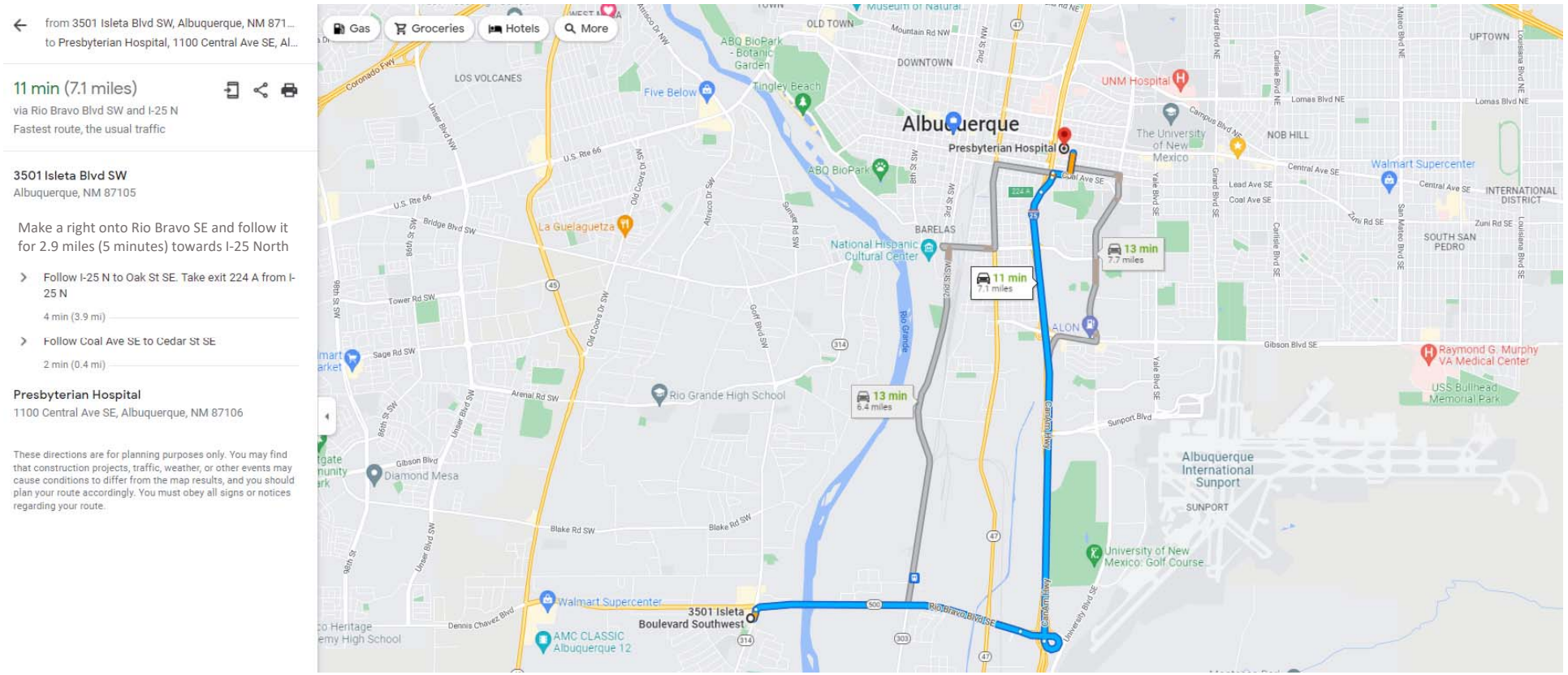
Site Map (if available):



Additional Comments:	**Emergency Contacts:**		**Telephone**
EA Engineering site workers will contain and absorb any chemicals used or transferred on-site.	U.S. Coast Guard National Response Center		800/424-8802
	InfoTrac		800/535-5053
	Fire department		911
	Police department		911
	EA Engineering Personnel:		
	Corporate Human Resource Manager:	Michele Bailey	410/584-7000
	Corporate Health & Safety Manager:	Rob Marcase	410/329-5192
	Office Health & Safety Coordinator:	Teri McMillan	505/259-6779
	Program Manager:	Mike McVey	505/235-9037
	Site Safety Coordinator:	Aaron Kupper	956/648-5752
Personnel Decontamination and Disposal Method:	**Medical Emergency:**		
Personnel will follow the U.S. Environmental Protection Agency's "Standard Operating Safety Guides" for decontamination procedures for Level C personal protection. The following decontamination stations should be set up in each decontamination zone: • All equipment will be decontaminated in a designated area All disposable equipment and gloves will be double-bagged or containerized in an acceptable manner and disposed of following local regulations.	Hospital Name: Presbyterian Hospital Hospital Address: 1100 Central Avenue, SE, Albuquerque, NM Hospital Telephone: 1-505-841-1234 Emergency – 911 Ambulance Telephone: 911 Route to Hospital: (see next page for route map)		

Note: This page must be posted on site.

Hospital Route Map (if available):



Note: This page must be posted on site.

APPROVAL AND SIGN-OFF FORM, ATEX 213, ALBUQUERQUE, NM

6381301

I have read, understood, and agree with the information outlined in this Health and Safety Plan and will follow the direction of the Site Safety Coordinator as well as procedures and guidelines established in the EA Engineering Health and Safety Manual. I understand the training and medical requirements for conducting fieldwork and have met these requirements.

Name	Signature	Date
Name	Signature	Date
Name	Signature	Date
Name	Signature	Date

APPROVALS: (Two Signatures Required)

Teri McMillan	Site Safety Coordinator	Date 03/21/2022
	Health and Safety Coordinator	Date

DEFINITIONS

Intrusive - Work involving excavation to any depth, drilling, the opening of monitoring wells, most sampling, and Geoprobe® work

Nonintrusive - Generally refers to site walk-throughs or field reconnaissance

Levels of Protection

Level D - Hard hat, safety boots, and glasses, may include protective clothing such as gloves, boot covers, and Tyvek® or Saranex® coveralls

Level C - Hard hat, safety boots, glasses, and air-purifying respirators with appropriate cartridges, **PLUS** protective clothing such as gloves, boot covers, and Tyvek® or Saranex® coveralls

Emergency Contacts

InfoTrac - For issues related to incidents involving the transportation of hazardous chemicals; this hotline provides accident assistance 24 hours per day, 7 days per week

U.S. Coast Guard National Response Center - For issues related to spill containment, cleanup, and damage assessment; this hotline will direct spill information to the appropriate state or region

Health and Safety Plan Short Form

- Used for field projects of limited duration and with relatively limited activities; may be filled in with handwritten text
- Limitations:
  - No Level B or A work
  - Limited number of tasks
  - No confined space entry
  - No unexploded ordnance work or radiation hazard

SAFETY DATA SHEET

1. Identification

Product identifier **PetroFix**

Other means of identification None.

Recommended use Remediation of contaminants in soil and groundwater.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word None.

Hazard statement The mixture does not meet the criteria for classification.

Precautionary statement

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Activated carbon <10 µm	7440-44-0	>25
Calcium sulfate dihydrate	10101-41-4	<10
Additive	-	<2

Composition comments All concentrations are in percent by weight unless otherwise indicated.
Components not listed are either non-hazardous or are below reportable limits.
Chemical ingredient identity and/or concentration information withheld for some or all components present is confidential business information (trade secret), and is being withheld as permitted by 29 CFR 1910.1200(i).

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Combustion products may include: carbon oxides, nitrogen oxides, sulfur oxides, calcium oxide.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	This material will not burn until the water has evaporated. Residue can burn. When dry may form combustible dust concentrations in air.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Avoid prolonged exposure. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Activated carbon <10 µm (CAS 7440-44-0)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Activated carbon <10 µm (CAS 7440-44-0)	TWA	2 mg/m3	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium sulfate dihydrate (CAS 10101-41-4)	TWA	10 mg/m3	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Skin protection

Other Wear suitable protective clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state Liquid.

Form Aqueous suspension.

Color Not available.

Odor Not available.

Odor threshold Not available.

pH 8 - 10

Melting point/freezing point Not available.

Initial boiling point and boiling range 212 °F (100 °C)

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Avoid drying out product. May generate combustible dust if material dries.
Incompatible materials	Strong oxidizing agents. Acids.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Spray mist may irritate the respiratory system. For dry material: Dust may irritate respiratory system.
Skin contact	Prolonged or repeated exposure may cause minor irritation.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation.

Information on toxicological effects

Acute toxicity Not expected to be acutely toxic.

Components	Species	Test Results
Activated carbon <10 µm (CAS 7440-44-0)		
Acute		
Oral		
LD50	Rat	> 10000 mg/kg

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. Regulatory information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	No

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Calcium sulfate dihydrate (CAS 10101-41-4)

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Activated carbon <10 µm (CAS 7440-44-0)
Calcium sulfate dihydrate (CAS 10101-41-4)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 15-February-2018

Revision date -

Version # 01

HMIS® ratings Health: 1
Flammability: 1
Physical hazard: 0

NFPA ratings

Disclaimer Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

SAFETY DATA SHEET

1. Identification

Product identifier **PetroFix Electron Acceptor Blend**

Other means of identification None.

Recommended use Remediation of soils and groundwater.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name Regenesis

Address 1011 Calle Sombra
San Clemente, CA 92673 USA

General information 949-366-8000

E-mail CustomerService@regenesis.com

Emergency phone number For Hazardous Materials Incidents ONLY (spill, leak, fire, exposure or accident), call CHEMTREC 24/7 at:

USA, Canada, Mexico 1-800-424-9300

International 1-703-527-3887

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Serious eye damage/eye irritation Category 2B

OSHA defined hazards Not classified.

Label elements

Hazard symbol None.

Signal word Warning

Hazard statement Causes eye irritation.

Precautionary statement

Prevention Wash thoroughly after handling.

Response If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	CAS number	%
Ammonium sulfate	7783-20-2	40 - 60
Sodium nitrate	7631-99-4	40 - 60

Composition comments All concentrations are in percent by weight unless otherwise indicated.

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact	Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed. Combustion products may include: nitrogen oxides, sulfur oxides, ammonia.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Material will not burn.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Avoid the generation of dusts during clean-up. Collect dust using a vacuum cleaner equipped with HEPA filter. Stop the flow of material, if this is without risk. Large Spills: Wet down with water and dike for later disposal. Absorb in vermiculite, dry sand or earth and place into containers. Shovel the material into waste container. Following product recovery, flush area with water. Small Spills: Sweep up or vacuum up spillage and collect in suitable container for disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling	Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with eyes. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls	Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If engineering measures are not sufficient to maintain concentrations of dust particulates below the Occupational Exposure Limit (OEL), suitable respiratory protection must be worn. If material is ground, cut, or used in any operation which may generate dusts, use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection	Unvented, tight fitting goggles should be worn in dusty areas.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.
Skin protection	
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment. Wear NIOSH approved respirator appropriate for airborne exposure at the point of use. Appropriate respirator selection should be made by a qualified professional. Recommended use: Wear respirator with dust filter.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Powder.
Color	White.
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	This material will not burn.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials. Heat.
Incompatible materials	Strong reducing agents. Strong acids.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	Dust may irritate respiratory system.
Skin contact	Dust or powder may irritate the skin.
Eye contact	Causes eye irritation.
Ingestion	May cause discomfort if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics	Irritation of eyes. Exposed individuals may experience eye tearing, redness, and discomfort. Dusts may irritate the respiratory tract, skin and eyes.

Information on toxicological effects

Acute toxicity	Not expected to be acutely toxic.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Causes eye irritation.

Respiratory or skin sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

NTP Report on Carcinogens

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Further information	Nitrate poisoning resulting in methemoglobinemia manifested as cyanosis is rare, but possible for people with specific susceptibility traits.

12. Ecological information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	The product solely consists of inorganic compounds which are not biodegradable.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical	Yes
Classified hazard categories	Serious eye damage or eye irritation

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.
Ammonium sulfate	7783-20-2	40 - 60
Sodium nitrate	7631-99-4	40 - 60

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)	Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

US. New Jersey Worker and Community Right-to-Know Act

Sodium nitrate (CAS 7631-99-4)

US. Pennsylvania Worker and Community Right-to-Know Law

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

US. Rhode Island RTK

Ammonium sulfate (CAS 7783-20-2)
Sodium nitrate (CAS 7631-99-4)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 15-August-2018

Revision date -

Version # 01

HMIS® ratings
Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings

Disclaimer

Regenesis cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.

APPENDIX G – UNDERGROUND INJECTION CONTROL DISCHARGE PERMIT

Mustafin, Vener

From: Mustafin, Vener
Sent: Thursday, May 19, 2022 4:10 PM
To: Jason G. Herman (Jason.Herman@state.nm.us)
Cc: Jarrett, Corey, ENV; NMED PSTB Electronic Submittal (PSTB.Inbox@state.nm.us)
Subject: 4264-3 RID 28 FID 31815 - Atex 213 - UIC DP
Attachments: 4264-3 Atex 213 UIC DP Submittal .pdf

May 19, 2022

Mr. Jason Herman
Acting Program Manager
New Mexico Environment Department
Ground Water Quality Bureau
1190 Saint Francis Drive, P.O. Box 5469, Santa Fe, NM 87502-5469

Underground Injection Control General Discharge Permit
Atex 213, 3501 Isleta Boulevard, SW, Albuquerque, NM
Release ID #: 28 Facility #: 31815 Deliverable ID 4264-3
Contract #: 22 667 3200 0011

Dear Mr. Herman:

EA Engineering, Science, and Technology, Inc. PBC (EA), on behalf of the New Mexico Environment Department Petroleum Storage Tank Bureau (NMED PSTB) has prepared the attached Underground Injection Control General Discharge Permit (UIC DP) to inject PetroFix to mitigate residual petroleum hydrocarbon contamination at Atex 213, 3501 Isleta Boulevard, SW, Albuquerque, New Mexico.

Hard copies and a check for the discharge permit fee are to follow.

If you have questions or comments, please feel free to contact me.

Please let us know who is assigned to process the permit.

Thank you.

Respectfully,

Vener Mustafin, PE
EA Engineering, Science, and Technology, Inc. PBC
320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
505-296-1070 cell
505-715-4477 direct
vmustafin@eaest.com

NEW MEXICO ENVIRONMENT DEPARTMENT GROUND WATER QUALITY BUREAU

UNDERGROUND INJECTION CONTROL

GENERAL DISCHARGE PERMIT

Certified Mail- Return Receipt Requested

Facility Name:	**Atex 213**
Facility Location:	**3501 Isleta Boulevard, SW, Albuquerque, NM** **Section 12 Township 9 North Range 2 East** **Bernalillo County**
Legally Responsible Party:	**NMED Petroleum Storage Tank Bureau** **121 Tijeras Avenue NE Suite 1000** **Albuquerque, NM 87102** **(505) 372-8335**
Remediation Oversight Agency Contact:	**NMED Petroleum Storage Tank Bureau** **Corey Jarrett, Project Manager, Geoscientist** **505-372-8335** **NM State Contract Number: 22-667-3200-0011**
Remediation or Injection Plan Identification:	**Atex 213 Final Remediation Plan** **FID 31815 RID 28 Work Plan ID 4264**
Permitting Action:	**New DP-**
PPS Contact	**Contact Name** **Phone Number**
EFFECTIVE DATE: XX/XX/XXXX	**TERM ENDS: XX/XX/XXXX**

Michelle Hunter
Chief, Ground Water Quality Bureau

[Subsection H of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.I]

Version updated December 5, 2018

I. UIC GENERAL DISCHARGE PERMIT

The New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) issues this Underground Injection Control General Discharge Permit (UIC Permit) for the subsurface emplacement of additive fluids through a Class V UIC injection well for the purpose of facilitating vadose zone or groundwater remediation. The GWQB issues this UIC Permit to New Mexico Environment Department Petroleum Storage Tank Bureau (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

In issuing this UIC Permit, the GWQB has determined that the requirements of Subsection C of 20.6.2.3109 NMAC have been met. The activities authorized by this UIC Permit are principally governed by Work Plan for Site Remediation (Injection Plan), under the authority of NMED PSTB, with oversight by the NMED PSTB. Compliance with this UIC Permit requires compliance with the terms, requirements, and conditions of the Injection Plan. The term of this UIC Permit shall be no longer than five years from the effective date of this UIC Permit.

The injection activities, the location of the injection site, the type of injection and quantities of additives being used are briefly described as follows:

Injection Activities (summary: including injection well type, number of wells, and injection frequency)

Copy of the Injection Plan Attached (required): ☒
Summary of Injection Plan: Soil and groundwater impacted by the past releases of gasoline from underground storage tanks in the area will be remediated by injecting 800 pounds of Regenesis PetroFix and electron acceptors mixed with water for a total volume of 800 gallons injected into approximately 9 direct push injection points between 8 and 18 feet bgs and 3 and 13 feet bgs, depending on the area. A licensed New Mexico Driller will perform the work. Work will be performed under the New Mexico State Contract 22 667 3200 0011 under the supervision and directives of the Ne Mexico Environment Department Petroleum Storage Tank Bureau.

Injection Site Information

Depth to most shallow groundwater (required): 9 ft
Existing concentration of total dissolved solids (TDS) in groundwater (required): 586mg/L
Location (required): 3501 Isleta Blvd., SW, Albuquerque, NM
County (required): Bernalillo
Latitude: 35.02548
Longitude: -106.68093
Map Showing Area of Injection Sites Attached (required): ☒

Additives Being Used (including volumes, manufacturer, and mixing ratios)

Approximately 800 pounds of Regenesis PetroFix will be mixed with 40 pounds of electron acceptors and potable water for a total injectate volume of approximately 800 gallons and injected using a direct push rig. PetroFix is a suspension of 1-2 micron-size activated carbon with nitrate and sulfate electron acceptors. Sodium Nitrate and Ammonium Sulfate will be utilized by bacteria to degrade petroleum hydrocarbons and are anticipated to be used up by bacteria within one year after injection.

Anticipated Precipitation, Dissolution, Adsorption, and Desorption Products

Activated carbon, similar to the one used for household drinking water filtration, is inert and will coat soil and adsorb petroleum hydrocarbons. Sodium Nitrate and Ammonium Sulfate are used as amendments within the mix to biologically degrade the adsorbed petroleum hydrocarbons. These amendments are utilized for the degradation of petroleum hydrocarbons by the native bacteria that incorporate them into the bacterial cells or use them for metabolism. Amendments are expected to be utilized by the bacteria within one year after the injection.

Public Notice Posting Locations

2 inch by 3 inch Newspaper Ad required for Renewal applications.
Newspaper: Albuquerque Journal or another selected by the GWQB

3 inch by 4 inch Newspaper Ad required for New, Modification, and Renewal/Modification applications.
Newspaper: Albuquerque Journal or another selected by the GWQB

2 feet by 3 feet sign posted for 30 days in a location conspicuous to the public at or near the facility required for New, Modification, and Renewal/Modification applications.
Sign Location: Onsite at 3501 Isleta Blvd., SW, Albuquerque, NM

8.5 inch by 11 inch or larger posted off-site location conspicuous to the public (e.g. public library). Required for New, Modification, and Renewal/Modification applications.
Flyer Location: South Broadway Public Library, 1025 Broadway Blvd., SE, Albuquerque, NM 87102

This UIC Permit consists of the complete and accurate completion of this UIC Permit form as determined by the GWQB.
Issuance of this UIC Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

Signatures

Signature must be that of the person listed as the legally responsible party on this application.

I, the applicant, attest under penalty of law to the truth of the information and supporting documentation contained in this application for an Underground Injection Control General Discharge Permit.

Applicant's Signature

Signature: _____ Date: 5/19/2022

Printed Name: Lorena Goerger Title: Acting Bureau Chief

Applicant Note that Submissions Must Include:

1- One electronic copy of the application delivered to the GWQB via email or other format

2- Two hardcopies of the application delivered to: Ground Water Quality Bureau
Harold Runnels Building
1190 Saint Francis Drive
P.O. Box 5469
Santa Fe, NM 87502-5469

3- Payment by check or electronic transfer of one application fee of $100.00

II. FINDINGS

In issuing this UIC Permit, GWQB finds:

1. The Permittee is injecting fluids so that such injections will move directly or indirectly into groundwater within the meaning of Section 20.6.2.3104 NMAC.
2. The Permittee is injecting fluids so that such fluids will move into groundwater of the State of New Mexico which has an existing concentration of 10,000 mg/L or less of TDS within the meaning of Subsection A of 20.6.2.3101 NMAC.
3. The Permittee is using a Class V UIC well as described in 20.6.2.5002(B)(5)(d)(ii) NMAC for in situ groundwater remediation by injecting a fluid that facilitates vadose zone or groundwater remediation.
4. The Permittee is injecting fluids into groundwater in order to achieve the remediation goals identified in the Injection Plan.

III. AUTHORIZATION TO DISCHARGE

The Permittee is authorized to inject chemical additives into groundwater in accordance with this UIC Permit and the Injection Plan under the oversight of NMED PSTB.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection C of 20.6.2.3109 NMAC]

IV. CONDITIONS

The conditions of this UIC Permit shall be complied with by the Permittee and are enforceable by GWQB.

1. The Permittee shall perform remediation activities in accordance with the Injection Plan and shall notify GWQB of any changes prior to making them.

   [20.6.2.3107 NMAC]

2. The Permittee shall monitor the injection activities and their effects on groundwater quality as required by the Injection Plan and shall provide GWQB with electronic copies of the required reporting and any pertinent documentation of activities at the site.

   [20.6.2.3107.A NMAC, 20.6.2.3109.A NMAC]

3. If the GWQB or the Permittee identifies any failure of the Injection Plan or this UIC Permit to comply with 20.6.2 NMAC not specifically noted herein, GWQB may require the Permittee to submit a corrective action plan and a schedule for completion of corrective actions to address the failure.

   Additionally, the GWQB may require the Permittee to submit a proposed modification to the Injection Plan, this UIC Permit, or both.

   [20.6.2.3107.A NMAC, 20.6.2.3109.E NMAC]

4. ADDITIONAL MONITORING REQUIREMENTS – (RESERVED) - Placeholder for any added monitoring and reporting requirements.

5. TERMINATION – Within 30 days of completion of activities authorized by this UIC Permit the Permittee shall submit a closure report and a request to terminate the UIC Permit to the GWQB for its approval. The closure report shall identify how the injection well(s) was (were) closed in accordance with the Injection Plan. The Permittee shall provide NMED GWQB with a copy of this closure report.

   [20.6.2.5005 NMAC, 19.27.4 NMAC]

6. INSPECTION and ENTRY – The Permittee shall allow a representative of the NMED to inspect the facility and its operations subject to this UIC Permit and the WQCC regulations. The GWQB representative may, upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which are located any records required to be maintained by regulations of the federal government or the WQCC.

   The Permittee shall allow the GWQB representative to have access to, and reproduce for their use, any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this UIC Permit and the WQCC regulations.

   Nothing in this UIC Permit shall be construed as limiting in any way the inspection and entry authority of GWQB under the WQA, the WQCC Regulations, or any other local, state, or federal regulations.

   [20.6.2.3107.D NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]

7. MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the injection plan that would result in a change in the volume injected; the location of the injections; or the concentration of the additives being injected by the facility, the Permittee shall notify GWQB prior to implementing such changes. The Permittee shall obtain approval (which may require modification of this UIC Permit) by GWQB prior to implementing such changes.

   [20.6.2.3107.C NMAC, 20.6.2.3109.E and G NMAC]

8. COMPLIANCE with OTHER LAWS – Nothing in this UIC Permit shall be construed in any way as relieving the Permittee of the obligation to comply with all applicable federal, state, and local laws, regulations, permits, or orders.

   [NMSA 1978, § 74-6-5.L]

9. PERMIT FEES – Payment of permit fees is due at the time of UIC Permit approval. Permit fees shall be paid in a single payment remitted to GWQB no later than 30 days after the UIC Permit effective date.

   Permit fees are associated with issuance of this UIC Permit. Nothing in this UIC Permit shall be construed as relieving the Permittee of the obligation to pay all permit fees assessed by GWQB. A Permittee that ceases injecting or does not commence injecting during the term of the UIC Permit shall pay all permit fees assessed by GWQB. An approved UIC Permit shall be suspended or terminated if the facility fails to remit a payment by its due date.

   [20.6.2.3114.F NMAC, NMSA 1978, § 74-6-5.K]

Mustafin, Vener

From: Mustafin, Vener
Sent: Monday, June 6, 2022 11:49 AM
To: Jason G. Herman (Jason.Herman@state.nm.us)
Cc: Jarrett, Corey, ENV; NMED PSTB Electronic Submittal (PSTB.Inbox@state.nm.us)
Subject: RE: 4264-3 RID 28 FID 31815 - Atex 213 - UIC DP

June 6, 2022

Dear Mr. Herman,

In finalizing the Final Remediation Plan for Atex 213, 3501 Isleta Blvd, Albuquerque, NM, EA Engineering has made the following modifications and is requesting these changes to be reflected in the approved UIC DP:

- Injectate volume increased from 800 gallons of remediation fluids to 1,200 gallons of remediation fluids. The quantity increase represents a greater dilution with potable water.
- PetroFix quantities remained at 800 pounds (110 gallons) and electron acceptor quantities remained at 40 pounds.

Thank you.

Respectfully,

Vener Mustafin, PE
EA Engineering, Science, and Technology, Inc. PBC
320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
505-296-1070 cell
505-715-4477 direct
vmustafin@eaest.com

From: Mustafin, Vener
Sent: Thursday, May 19, 2022 4:10 PM
To: Jason G. Herman (Jason.Herman@state.nm.us) <Jason.Herman@state.nm.us>
Cc: Jarrett, Corey, ENV <Corey.Jarrett@state.nm.us>; NMED PSTB Electronic Submittal (PSTB.Inbox@state.nm.us) <PSTB.Inbox@state.nm.us>
Subject: 4264-3 RID 28 FID 31815 - Atex 213 - UIC DP

May 19, 2022

Mr. Jason Herman
Acting Program Manager
New Mexico Environment Department
Ground Water Quality Bureau
1190 Saint Francis Drive, P.O. Box 5469, Santa Fe, NM 87502-5469

Underground Injection Control General Discharge Permit
Atex 213, 3501 Isleta Boulevard, SW, Albuquerque, NM
Release ID #: 28 Facility #: 31815 Deliverable ID 4264-3

Contract #: 22 667 3200 0011

Dear Mr. Herman:

EA Engineering, Science, and Technology, Inc. PBC (EA), on behalf of the New Mexico Environment Department Petroleum Storage Tank Bureau (NMED PSTB) has prepared the attached Underground Injection Control General Discharge Permit (UIC DP) to inject PetroFix to mitigate residual petroleum hydrocarbon contamination at Atex 213, 3501 Isleta Boulevard, SW, Albuquerque, New Mexico.

Hard copies and a check for the discharge permit fee are to follow.

If you have questions or comments, please feel free to contact me.

Please let us know who is assigned to process the permit.

Thank you.

Respectfully,

Vener Mustafin, PE
EA Engineering, Science, and Technology, Inc. PBC
320 Gold Avenue, SW Suite 1300
Albuquerque, NM 87102
505-296-1070 cell
505-715-4477 direct
vmustafin@eaest.com

APPENDIX H – PUBLIC NOTICE FLYER

NOTICE OF SUBMISSION OF FINAL REMEDIATION PLAN

Dates of Notice: June 22, 2022; June 29, 2022

Notice is hereby given by the Petroleum Storage Tank Bureau (PSTB) of the New Mexico Environment Department (NMED) of the submission of a Final Remediation Plan, as follows:

1. The Remediation Plan proposes actions to remediate a release of petroleum products into the environment.

2. The release occurred at: Atex 213 State Lead Site (the Site), 3501 Isleta Boulevard SW, Albuquerque, New Mexico. The remediation equipment will be located at this address.

3. The Remediation Plan proposes corrective action consisting of the injection of Regenesis Petrofix to remediate the residual petroleum contaminated groundwater. Regenesis PetroFix is a "trap-and-treat" technology which is an activated carbon that will remove hydrocarbons from the dissolved phase by absorbing them onto activated carbon particles resulting in hydrocarbon biodegradation. The remediation goal is to decrease benzene and naphthalene concentrations to below NMWQCC standards eventually leading to a "No Further Action" status.

4. A copy of the Remediation Plan, including all data and modeling related to the Remediation Plan, can be viewed by interested parties at the NMED PSTB Santa Fe office, 2905 Rodeo Park Dr. East, Bldg 1, Santa Fe, NM 87505, and at the Albuquerque field office at the address below. Due to policies in place in response to the COVID- 19 pandemic, arrangements must be made 48 hours in advance for an in-person review of the Remediation Plan. Please contact the NMED PSTB project manager, Corey Jarrett, by telephone at 505-372-8335 or by email at corey.jarrett@state.nm.us to schedule a time during normal business hours. In addition, the Remediation Plan and all applicable data may be viewed at the following website: https://cloud.env.nm.gov/waste?c=2447&k=e3c9b2ab2f

5. Services may be arranged for translation of documents, for interpreters, and for obtaining services for persons with disabilities by contacting the NMED PSTB Project Manager. TDD or TTY users, please access phone numbers using the New Mexico Relay Network, 1 (800) 659-1779 (voice) and 1 (800) 659-8331 (TTY users).

6. Comments on the plan may be sent to the PSTB Project Manager, Corey Jarrett, by email to corey.jarrett@state.nm.us by telephone at 505-372-8335, or at the following address: New Mexico Environment Department, Petroleum Storage Tank Bureau, 121 Tijeras Ave NE, Suite 1000, Albuquerque, NM 87102. Comments sent to the project manager must also be mailed to the New Mexico Environment Department Secretary, Attn: Secretary Kenney, P.O. Box 5469, Santa Fe, New Mexico 87502-5469. Please include the name of the site, "Atex213 State Lead Site," to ensure comments are correctly assigned to the site.

7. Comments must be received on or before July 20, 2022.

AVISO DE PRESENTACIÓN DEL PLAN DE REMEDIACIÓN FINAL

Fechas de aviso: 22 de junio de 2022; 29 de junio de 2022

Por el presente aviso, la Oficina de Tanques de Almacenamiento de Petróleo (PSTB, por sus siglas en inglés) del Departamento de Medio Ambiente de Nuevo México (NMED, por sus siglas en inglés) notifica la presentación de un Plan de Remediación Final, como sigue:

1. El Plan de Remediación propone acciones para remediar la liberación de productos derivados del petróleo al medio ambiente.

2. La liberación ocurrió en: Atex 213 State Lead Site (el Sitio), 3501 Isleta Boulevard SW, Albuquerque, Nuevo México. El equipo de remediación se ubicará en esta dirección.

3. El Plan de Remediación propone una acción correctiva consistente en la inyección de Regenesis Petrofix para remediar las aguas subterráneas residuales contaminadas por petróleo. Regenesis PetroFix es una tecnología de "atrapar y tratar" que es un carbón activado que eliminará los hidrocarburos de la fase disuelta al absorberlos en partículas de carbón activado que dan como resultado la biodegradación de los hidrocarburos. El objetivo de remediación es disminuir las concentraciones de benceno y naftaleno por debajo de los estándares de NMWQCC, lo que eventualmente conducirá a un estado de "No más acciones".

4. Las partes interesadas pueden ver una copia del Plan de Remediación, incluidos todos los datos y modelos relacionados con el Plan de Remediación, en la oficina de Santa fe de PSTB del NMED, 2905 Rodeo Park Dr. East, Bldg 1, Santa Fe, NM 87505, y en la oficina local de Albuquerque en la dirección mencionada más abajo. Debido a las políticas vigentes en respuesta a la pandemia de COVID-19, se deben hacer acomodaciones con 48 horas de anticipación para hacer una revisión en persona del Plan de Remediación. Comuníquese con el gerente del proyecto de PSTB del NMED, Corey Jarrett, por teléfono llamando al 505-372-8335 o por correo electrónico a corey.jarrett@state.nm.us para programar una cita durante el horario normal de trabajo. Además, el Plan de Remediación y todos los datos aplicables se pueden ver en el siguiente sitio web: https://cloud.env.nm.gov/waste?c=2447&k=e3c9b2ab2f

5. Se pueden organizar servicios para la traducción de documentos, para intérpretes y para obtener servicios para personas con discapacidades comunicándose con el gerente del proyecto de PSTB del NMED. Los usuarios de TDD o TTY pueden acceder a los números de teléfono usando la Red de Retransmisión de Nuevo México, 1 (800) 659-1779 (voz) y 1 (800) 659-8331 (usuarios de TTY).

6. Los comentarios sobre el plan pueden enviarse al gerente del proyecto de PSTB, Corey Jarrett, por correo electrónico a corey.jarrett@state.nm.us, por teléfono llamando al 505-372-8335, o a la siguiente dirección: Departamento de Medio Ambiente de Nuevo México, Oficina de Tanques de Almacenamiento de Petróleo, 121 Tijeras Ave NE, Suite 1000, Albuquerque, NM 87102. Los comentarios enviados al gerente del proyecto también deben enviarse por correo al secretario del Departamento de Medio Ambiente de Nuevo México, Attn: Secretary Kenney, P.O. Box 5469, Santa Fe, NM 87502-5469. Incluya el nombre del sitio, "Atex213 State Lead Site", para asegurarse de que los comentarios se asignen correctamente al sitio.

7. Los comentarios deben recibirse a más tardar el 20 de julio de 2022.