

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	NGL Water Solutions Permian, LLC	OGRID	372338
Contact Name	Joe Vargo	Contact Telephone	406-868-9799 (cell)
Contact email	Joseph.Vargo@nglep.com	Incident # (assigned by OCD)	
Contact mailing address	3773 Cherry Creek North Drive, Denver, CO 80209		

Location of Release Source

Latitude 32.208049 Longitude -103.49742
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Striker 6 SWD #1	Site Type	Salt Water Disposal
Date Release Discovered	09/18/2019	API# (if applicable)	30-025-44291

Unit Letter	Section	Township	Range	County
D	20	24S	34E	Lea

Surface Owner: State Federal Tribal Private (Name: NGL Water Solutions Permian, LLC)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Lightening strike. Two storage tanks burned.
Flow line to facility melted.

Form C-141

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Total spill volume in excess of 25 bbls. However, all fluids from the tanks were contained within the containment. Only approximately 25 bbls of produced water and skim oil from the melted flowline were on the ground. Fluid from flowline was on the caliche pad of the facility.
---	---

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 Neel Duncan, agent for NGL Water Solutions Permian LLC, notified Rick Rickman, Hobbs OCD, by phone with voicemail the morning of 09/19/2019. Rick Rickman returned the call and spoke with Neel Duncan and a acknowledged notification of the spill.

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Joe Vargo Title: Director, Regulatory Affairs
 Signature: _____ Date: 09/27/2019
 email: Joseph.Vargo@nglep.com Telephone: 406-868-9799 (cell)

OCD Only
 Received by: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>283'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

Form C-141

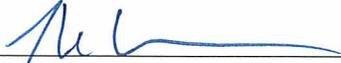
State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Joe Vargo Title: Director, Regulatory Affairs

Signature:  Date: 12/11/2019

email: Joseph.Vargo@nglep.com Telephone: 406-868-9799 (cell)

OCD Only

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

- Approved
 Approved with Attached Conditions of Approval
 Denied
 Deferral Approved

Signature: _____ Date: _____

Form C-141

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: JOSEPH VARGO Title: Regulatory Manager
 Signature: [Signature] Date: 1-27-2020
 email: joseph.vargo@nglep.com Telephone: 406-868-9799

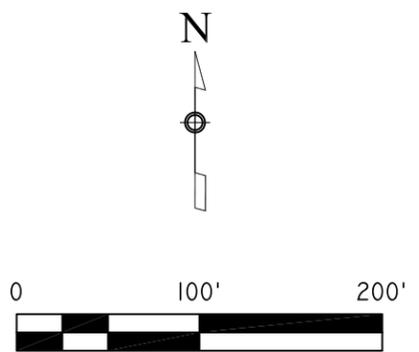
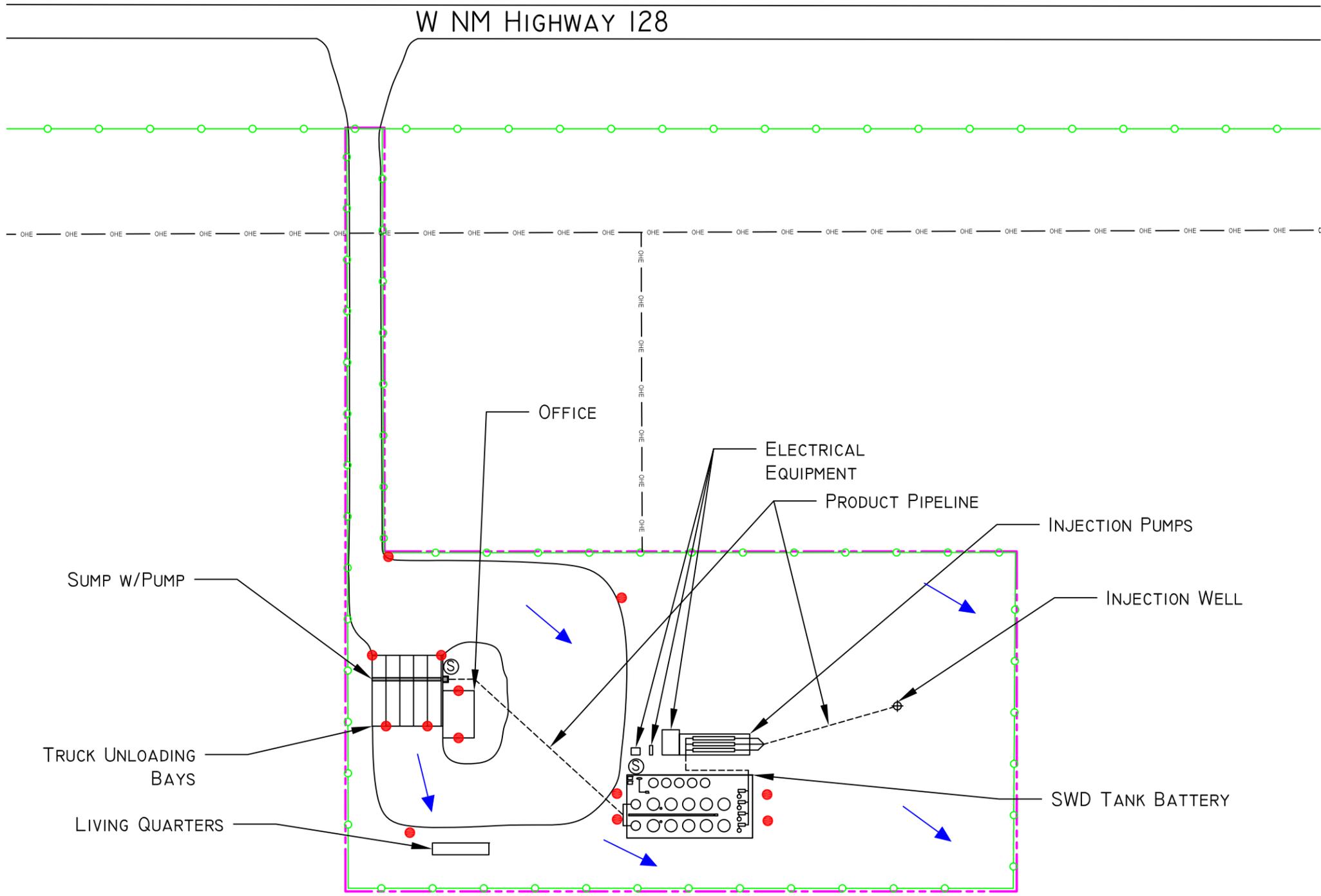
OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

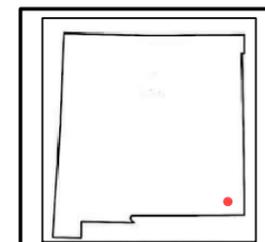
Printed Name: _____ Title: _____



- LEGEND**
- — UNDERGROUND PIPE
 - OHE — OVERHEAD ELECTRIC LINE
 - ← DRAINAGE FLOW
 - SECURITY LIGHTING
 - - - - PROPERTY LINE
 - Ⓢ SPILL KIT

24 HR. - 25YR. RAINFALL: 4.6"

SITE PLAN



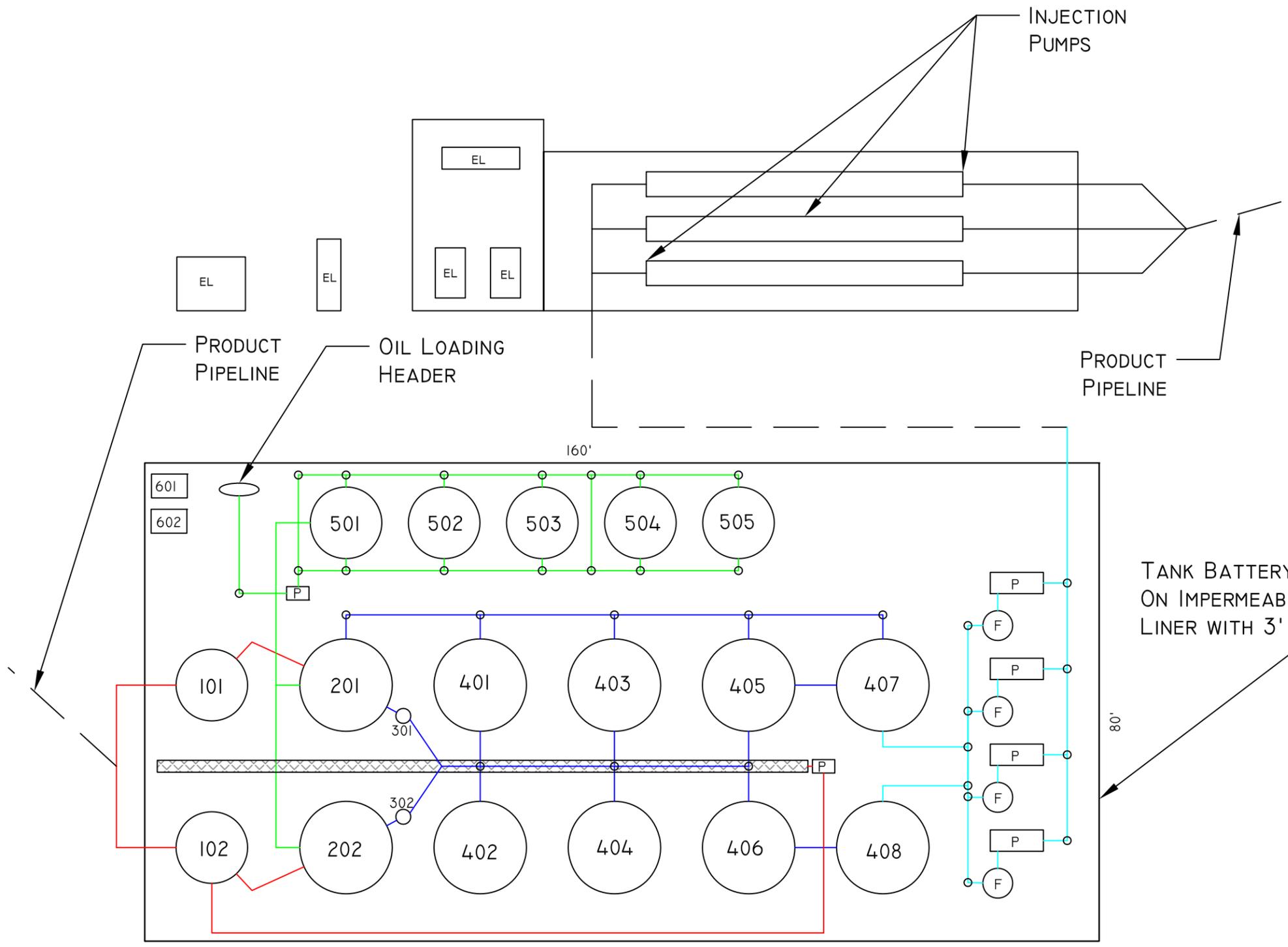
R2M
ENGINEERING
CIVIL • ENVIRONMENTAL • SAFETY
Texas Registered Engineering Firm E-9992
Texas Licensed Surveying Firm 10193863
5012 50th Ste. 204 P: 806-783-9944
Lubbock, TX 79414 F: 806-783-9966
www.R2Meng.com

COMPANY: NGL WATER SOLUTIONS, LLC	
PROJECT: STRIKER No. 6 SWD FACILITY	
TITLE: SITE PLAN	
LOCATION: JAL, NM	
DATE: 11-2018	A. 8



Tank No	Tank Const	Hor/ Vert	Gross Cap. BBLs	Contents	Tank Size	Containment Vol (BBLs)
T101-2	FG	Vertical	760	Sand, SW & Oil	12'x38'	4,689
T201-2	FG	Vertical	1000	SW & Oil	15.5'x30'	4,689
T301-2	FG	Vertical	24	SW & Oil	2.5'x30'	4,689
T401-8	FG	Vertical	780	SW	15.5'x25'	4,689
T501-5	ST	Vertical	400	Oil	12'x20'	4,689
T601-2	PL	Horizontal	550 Gal	Chem	n/a	4,689

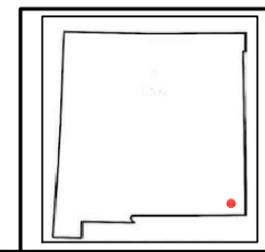
ST - STEEL FG - FIBERGLASS PL - PLASTIC SW - SALTWATER



TANK BATTERY WITH SPAYED ON IMPERMEABLE SYNTHETIC LINER WITH 3' CONCRETE WALL

- LEGEND**
- — UNDERGROUND PIPE
 - — SYSTEM PIPING
 - P PUMP
 - F FILTER
 - EL ELECTRICAL EQUIPMENT
 - ⊕ VALVE

SWD FACILITY LAYOUT



R2M ENGINEERING
 CIVIL • ENVIRONMENTAL • SAFETY
 Texas Registered Engineering Firm E-9992
 Texas Licensed Surveying Firm 10193863
 5012 50th Ste. 204 P: 806-783-9944
 Lubbock, TX 79414 F: 806-783-9966
 www.R2Meng.com

COMPANY: NGL WATER SOLUTIONS, LLC
PROJECT: STRIKER No. 6 SWD FACILITY
TITLE: SWD FACILITY LAYOUT
LOCATION: JAL, NM
DATE: 11-2018
A. 9



SITE CLOSURE REPORT



**L & M BACKHOE INC.
ANDREWS, TEXAS**

SITE CLOSURE REPORT

STRIKER 6 SWD

JAL, N.M.

LEA COUNTY

PREPARED FOR:

NGL WATER SOLUTIONS

1805 W N.M. HWY 128

JAL, N.M.

88252

PREPARED BY:

L&M BACKHOE, INC.

P.O. BOX 728

ANDREWS, TX 79714

DECEMBER 2019

TABLE OF CONTENTS

INTRODUCTION.....	3
REPORT.....	3
OVERVIEW.....	3
FINAL SAMPLES.....	4
PRE-REMEDICATION PHOTOGRAPHS.....	5-8
POST REMEDIATION PHOTOGRAPHS.....	9-10

INTRODUCTION

L&M BACKHOE SUBMITS THIS SITE CLOSURE FOR NGL WATER SOLUTIONS, FOR THE PRODUCE WATER RELEASE WHICH OCCURRED AT THE STRIKER 6 SWD ON THE 18TH DAY OF SEPTEMBER 2019. AT APPROXIMATELY 5:58 PM.

REPORT

THE PURPOSE OF THIS REPORT IS TO DOCUMENT REMEDIAL ACTIVITIES AND PRESENT SUPPORTING DATA ON BEHALF OF NGL WATER SOLUTIONS.

OVERVIEW

ACCORDING TO NGL, A PRODUCE WATER RELEASE OCCURRED ON SEPTEMBER 18TH, 2019. AT APPROXIMATELY 5:58 P.M. AN NGL PUMPER WAS IN THE COMPANY BUNKHOUSE ON THE STRIKER 6 SWD LOCATION, PREPARING TO START HIS SHIFT. THE PUMPER STATED THAT HE HEARD LIGHTNING AND WENT OUTSIDE, WHERE HE SAW TANKS WITHIN THE CONTAINMENT ON FIRE. THE PUMPER IMMEDIATELY CALLED 911, AND THEN NOTIFIED OPERATIONS MANAGER HIPARCO ARANDA. THE PUMPER SHUT OFF ALL THE POWER TO THE FACILITY, THEN RELOCATED TO THE DESIGNATED MUSTER AREA. THERE WERE NO OTHER PERSONNEL ON LOCATION AT THE TIME OF THE INCIDENT. THE N.M. OPERATIONS MANAGER TOLD EHS THAT A LIGHTNING STRIKE HAD TAKEN PLACE AS IN-CLIMATE WEATHER CAME OVER THE FACILITY. THE LIGHTNING IS BELIEVED TO HAVE STRUCK THE SECOND PRODUCED WATER TANK FROM THE END, AT THE REAR OF THE TANK BATTERY AT THE FACILITY. LEA COUNTY FIRE FIGHTERS RESPONDED TO THE SCENE AND CONTAINED THE BLAZE. IT WAS ESTIMATED BY WATER OPERATIONS PERSONNEL THAT LESS THAN 25 BBLs. OF PRODUCED WATER SPILLED ON LOCATION. THE SPILL (OUTSIDE THE CONTAINMENT) WAS DUE TO POLY PIPE THAT MELTED BECAUSE OF THE FIRE. THE REMEDIATION PERFORMED WAS DONE BY NGL STAFF. ACCORDING TO NGL 20 BBLs. OF PRODUCE WATER WAS RECOVERED BY A VACUUM TRUCK. THE FACILITY WAS ALSO REBUILT AND ALL CONTAMINATED SOIL WAS SCRAPED UP AND PLACED IN A ROLL OFF BIN AND TOOK TO A PROPER DISPOSAL.

L&M BACKHOE, INC. WAS ASSIGNED MANAGEMENT RESPONSIBILITIES BY NGL FOR SOIL SAMPLING, AND FOR CREATING THE SITE CLOSURE REPORT.

IN SUMMARY L&M BACKHOE WENT TO LOCATION EXECUTED REQUIRED SOIL SAMPLING. SENT SAMPLES TO LAB FOR ANALYSIS. UPON RECEIVING RESULTS FOUND THAT THE AREA IN QUESTION DID MEET THE REQUIREMENTS OF ALL GOVERNING AGENCIES.

THE GROUND SURFACE AT THE STRIKER 6 SWD CONSISTS OF COMPACTED AND HARDENED CALICHE BASE MATERIAL, TYPICALLY USED FOR BUILDING SALT WATER DISPOSAL STATIONS, OIL WELLS AND TANK BATTERY LOCATIONS. THE GENERAL LAND USE IN THIS AREA IS FOR RANCHING AND OIL AND GAS PRODUCTION OF OIL AND GAS. SURFACE VEGETATION IN THE AREA INCLUDES LOW GRASSES AND MESQUITE. THE STRIKER 6 SWD RELEASE SITE IS NOT CONSIDERED TO BE LOCATED IN A SENSITIVE AREA AND CONSEQUENTLY, REMEDIATION ACTIVITIES WERE PERFORMED TO COMPLETION.

MITCHELL ANALYTICAL LABORATORY

2638 Faudree Road
Odessa, Texas 79765
561-5579

Mr. Sean Carruth
L & M Backhoe
P.O. Box 728
Andrews, Texas 79714

November 19, 2019

Results: 4 NGL soil samples for Total Petroleum Hydrocarbons & Chloride content,
Dated: 11-18-19,
Lab No. 19-NOV-W90889

Sample: NGL Striker	TPH ppm	Chloride ppm
A	1,622.22	1,458.27
B	19.26	4.98
Pile	849.62	852.00
Roll Off	15.56	3.01

Method EPA 418.1

Analyst
Brittany Neatherlin

L & M BACKHOE, INC











