

LATE SUBMITTAL

NM OIL CONSERVATION  
ARTESIA DISTRICT

FEB 15 2018

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  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised April 3, 2017  
**RECEIVED**  
Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

**Release Notification and Corrective Action**

**OPERATOR**

Initial Report  Final Report

|                 |                                  |               |                     |
|-----------------|----------------------------------|---------------|---------------------|
| Name of Company | OXY USA, Inc. <i>11010410</i>    | Contact       | Wade Dittrich       |
| Address         | P.O. Box 4294, Houston, TX 77210 | Telephone No. | (575)390-2828       |
| Facility Name   | NEL 4 SWD Battery                | Facility Type | Salt Water Disposal |

|               |         |               |         |         |              |
|---------------|---------|---------------|---------|---------|--------------|
| Surface Owner | Federal | Mineral Owner | Federal | API No. | 30-015-24424 |
|---------------|---------|---------------|---------|---------|--------------|

**LOCATION OF RELEASE**

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| H           | 9       | 23S      | 28E   | 1980          | N                | 720           | E              | Eddy   |

Latitude 32.3218727 Longitude -104.0860443 NAD83

**NATURE OF RELEASE**

|                             |  |   |  |                            |                     |
|-----------------------------|--|---|--|----------------------------|---------------------|
| Type of Release             | Produced water & crude oil   | Volume of Release                         | 263 bbls Produced Water & 1 bbl Crude Oil                    | Volume Recovered           | 80 bbls             |
| Source of Release           | Pop-off valve on relief line   | Date and Hour of Occurrence               | 8/29/2017, Time unknown                                      | Date and Hour of Discovery | 8/29/2017, 12:00 PM |
| Was Immediate Notice Given? | <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?                          | Mike Bratcher & Crystal Weaver - NMOCD; Shirley Tucker - BLM |                            |                     |
| By Whom?                    | Wade Dittrich  | Date and Hour                             | 9/1/2017, 8:42 AM  |                            |                     |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse. |  |                            |                     |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

Spill caused by failure of a pop-off valve on a relief line. The pop-off valve has been repaired.

Describe Area Affected and Cleanup Action Taken.\*

The release was confined to the earthen containment surrounding the SWD battery, and the affected area inside the berm measured approximately 6,400 sq. ft. Remediation of the impacted area will be conducted in accordance with NMOCD and BLM guidelines.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                 |                           |                                       |  |
|-----------------|---------------------------|---------------------------------------|--|
| Signature:      | <i>Wade Dittrich</i>      | <b>OIL CONSERVATION DIVISION</b>      |  |
| Printed Name:   | Wade Dittrich             | Approved by Environmental Specialist: | <i>Mike Bratcher</i>                     |
| Title:          | Environmental Coordinator | Approval Date:                        | 2/16/18                                  |
| E-mail Address: | wade_dittrich@oxy.com     | Expiration Date:                      | NIA                                      |
| Date:           | 9/14/2017                 | Conditions of Approval:               | See Attached                             |
| Phone:          | (575) 390-2828            | Attached                              | <input type="checkbox"/> <i>24P-4623</i> |

\* Attach Additional Sheets If Necessary

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 2/15/2015 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number ARP-4123 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

*The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]*

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 3/15/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C<sub>6</sub> thru C<sub>36</sub>), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

**Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.**

**Jim Griswold**

OCD Environmental Bureau Chief

1220 South St. Francis Drive

Santa Fe, New Mexico 87505

505-476-3465

[jim.griswold@state.nm.us](mailto:jim.griswold@state.nm.us)

## Bratcher, Mike, EMNRD

---

**From:** Wade\_Dittrich@oxy.com  
**Sent:** Thursday, February 15, 2018 1:20 PM  
**To:** Bratcher, Mike, EMNRD  
**Cc:** ben@trinityoilfieldservices.com; Weaver, Crystal, EMNRD; stucker@blm.gov; duskie@trinityoilfieldservices.com; todd@trinityoilfieldservices.com  
**Subject:** RE: RE: Re: NEL 4 SWD Battery  
**Attachments:** NEL 4 SWD Battery-Initial C-141-signed.pdf

Wade Dittrich  
Environmental Specialist  
Oxy Permian-New Mexico  
575-390-2828 cell  
575-397-8214 office  
Wade\_Dittrich@Oxy.com

-----Original Message-----

**From:** Bratcher, Mike, EMNRD [mailto:mike.bratcher@state.nm.us]  
**Sent:** Thursday, February 15, 2018 12:34 PM  
**To:** Dittrich, John W <Wade\_Dittrich@oxy.com>  
**Cc:** ben@trinityoilfieldservices.com; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; stucker@blm.gov; duskie@trinityoilfieldservices.com; todd@trinityoilfieldservices.com  
**Subject:** [EXTERNAL] RE: RE: Re: NEL 4 SWD Battery

That will work - Thanks.

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210  
575-748-1283 Ext 108

-----Original Message-----

**From:** Wade\_Dittrich@oxy.com [mailto:Wade\_Dittrich@oxy.com]  
**Sent:** Thursday, February 15, 2018 12:14 PM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>  
**Cc:** ben@trinityoilfieldservices.com; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; stucker@blm.gov; duskie@trinityoilfieldservices.com; todd@trinityoilfieldservices.com  
**Subject:** Re: RE: Re: NEL 4 SWD Battery

Mike,

I show a date where I sent it, It might not have gone through, we have had on going email problems-I will resend it to you-sorry about the mix up.

Sent from my iPhone

On Feb 15, 2018, at 12:11 PM, Bratcher, Mike, EMNRD  
<mike.bratcher@state.nm.us<mailto:mike.bratcher@state.nm.us>> wrote:

Ben,

I don't see where we ever got the C-141 for this release. If it has been sent, provide a date and I can see what may have happened on our end.

Thanks,

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210  
575-748-1283 Ext 108

From: Ben J. Arguijo [mailto:ben@trinityoilfieldservices.com]  
Sent: Thursday, February 15, 2018 10:51 AM  
To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us<mailto:mike.bratcher@state.nm.us>>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us<mailto:Crystal.Weaver@state.nm.us>>  
Cc: Tucker, Shelly <stucker@blm.gov<mailto:stucker@blm.gov>>; Duskie Bennett <duskie@trinityoilfieldservices.com<mailto:duskie@trinityoilfieldservices.com>>; Todd Roberson <todd@trinityoilfieldservices.com<mailto:todd@trinityoilfieldservices.com>>; Wade Dittrich <Wade\_Dittrich@oxy.com<mailto:Wade\_Dittrich@oxy.com>>  
Subject: Re: Re: NEL 4 SWD Battery

Crystal/Mike,

Has a 2RP # been assigned to this release? I cannot find the initial C-141 in the NMOCD imaging system.

Thanks.

Ben J. Arguijo

Ben J. Arguijo  
Environmental Project Manager  
Trinity Oilfield Services  
P.O. Box 2587  
Hobbs, NM 88241  
(575)390-7208  
ben@trinityoilfieldservices.com<mailto:ben@trinityoilfieldservices.com>

On Wed, Dec 27, 2017 at 1:50 PM, <Wade\_Dittrich@oxy.com<mailto:Wade\_Dittrich@oxy.com>> wrote:

Wade Dittrich  
Environmental Specialist  
Oxy Permian-New Mexico  
575-390-2828<tel:(575)%20390-2828> cell  
575-397-8214<tel:(575)%20397-8214> office Wade\_Dittrich@Oxy.com<mailto:Wade\_Dittrich@Oxy.com>

From: Tucker, Shelly [mailto:stucker@blm.gov<mailto:stucker@blm.gov>]  
Sent: Wednesday, December 27, 2017 12:58 PM  
To: Dittrich, John W <Wade\_Dittrich@oxy.com<mailto:Wade\_Dittrich@oxy.com>>  
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us<mailto:mike.bratcher@state.nm.us>>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us<mailto:Crystal.Weaver@state.nm.us>>; Ben J. Arguijo <ben@trinityoilfieldservices.com<mailto:ben@trinityoilfieldservices.com>>; duskie@trinityoilfieldservices.com<mailto:duskie@trinityoilfieldservices.com>; Todd Roberson <todd@trinityoilfieldservices.com<mailto:todd@trinityoilfieldservices.com>>  
Subject: [EXTERNAL] Re: NEL 4 SWD Battery

Did you submit a C-141 for this release?

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker  
Environmental Protection Specialist  
O&G Spill/Release Coordinator

Bureau of Land Management  
620 E. Greene St  
Carlsbad, NM 88220

575.234.5905<tel:(575)%20234-5905> - Direct 575.361.0084<tel:(575)%20361-0084> - Cellular  
575.234.6235<tel:(575)%20234-6235> - Emergency Spill Number

stucker@blm.gov<mailto:stucker@blm.gov>

The BLM acceptance/approval does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. In such an event that the location does not revegetate, or future issues with contaminants are encountered, the operator will be asked to address the issues until the contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Mon, Sep 11, 2017 at 1:59 PM, <Wade\_Dittrich@oxy.com<mailto:Wade\_Dittrich@oxy.com>> wrote:  
All,

This is to inform you that Oxy Permian had a Reportable release in Eddy County at the NEL 4 SWD Battery on 9/8/2017.

- \* Release Location: Legal -9-23S-28E, API: 30-015-24424
- \* Release Volume: 1 bbls of Oil and 263 bbls of Produced Water.
- \* Recovered: 80 bbls recovered
- \* Cause of Release: Pop off valve on relief line failure

\* Approximate Area impacted by release: 80x80 FT, Leak did not leave the location-Leak is inside containment (measurements are subject to change with GPS tracking)

\* GPS Coordinates and Driving Direction: 32.3218727 , -104.0860443 FROM CARLSBAD NM GO SOUTH ON HWY 285 TURN LEFT OR EAST ON HWY 31 GO TO NYMEYER RD TURN LEFT GO .5 MILE TO LOCATION

Please let me know if you have any questions.

Wade Dittrich

Environmental Coordinator

Oxy Permian-New Mexico

575.390.2828<tel:(575)%20390-2828> cell

Wade\_Dittrich@Oxy.com<mailto:Wade\_Dittrich@Oxy.com>