

From: Clifford Kirchof
To: [Mann, Ryan](#); [Yu, Olivia, EMNRD](#)
Cc: [Shoemaker, Mike](#); [Adam Calvin](#); [Delfino Escalante III](#); [Bratcher, Mike, EMNRD](#); [Weaver, Crystal, EMNRD](#); [Patrick Windham](#)
Subject: RE: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac Pond T-25-S, R-31-E, Eddy County, New Mexico
Date: Thursday, May 3, 2018 12:23:37 PM

Ryan,

Thank you for the approvals and comments. As an update, the request for proposal (RFP) has been sent to selected firms for bidding on the continued remediation work. We will most likely select a firm next week and move forward with addressing the comments from NMOCD. Your comments will be addressed in future documents and NMSLO will be copied on all further communication.

Best regards,
cliff

From: Mann, Ryan <rmann@slo.state.nm.us>
Sent: Thursday, May 3, 2018 11:03 AM
To: 'Yu, Olivia, EMNRD' <Olivia.Yu@state.nm.us>; Clifford Kirchof <CKirchof@tetrattec.com>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Adam Calvin <ACalvin@tetrattec.com>; Delfino Escalante III <D3Escalante@tetrattec.com>; Andrew Romo <aromo@tetrattec.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac Pond T-25-S, R-31-E, Eddy County, New Mexico

NMSLO approves of both of the proposed delineation plans pending concurrence by NMOCD. Also, any release which traveled off the pad and affected pasture areas will need to have a revegetation plan included when submitting the remediation work plan. 1RP-4867 appears to have remained on location, I cannot tell for 2RP-4543. Please include NMSLO in further communication regarding these releases or any others in which state resources are affected.

Thanks

Ryan Mann
Remediation Specialist
Field Operation Division
(575) 392-3697
(505) 699-1989
New Mexico State Land Office
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

From: Yu, Olivia, EMNRD [<mailto:Olivia.Yu@state.nm.us>]
Sent: Tuesday, May 1, 2018 3:37 PM
To: Clifford Kirchof <CKirchof@tetrattec.com>; Mann, Ryan <rmann@slo.state.nm.us>

Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Adam Calvin <ACalvin@tetrattec.com>; Delfino Escalante III <D3Escalante@tetrattec.com>; Andrew Romo <aromo@tetrattec.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac Pond T-25-S, R-31-E, Eddy County, New Mexico

Mr. Kirchof:

Thank you for the update. Please remember to include NMSLO in all email communications and submittals. Please be advised that while the actual work may be conducted in tandem for 1RP-4867 and 2RP-4543, the proposed delineation plans must be approved by the respective Districts and NMSLO before commencement.

Thanks,
Olivia

From: Clifford Kirchof <CKirchof@tetrattec.com>
Sent: Tuesday, May 1, 2018 2:56 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Adam Calvin <ACalvin@tetrattec.com>; Delfino Escalante III <D3Escalante@tetrattec.com>; Andrew Romo <aromo@tetrattec.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac Pond T-25-S, R-31-E, Eddy County, New Mexico

Ms. Yu

We are in the process of interviewing contractors to finalize the workplan and address your questions. If at all possible, TETRA would like to perform the fieldwork required at this site along with the other site under Mike Bratcher. The sites are close together and it would be more cost effective to perform the field work in one mobilization effort.

Please feel free to call if you would like to discuss. We hopefully will have a consultant selected next week to address your questions and move forward.

Best regards,
cliff

From: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Sent: Thursday, April 12, 2018 11:10 AM
To: Clifford Kirchof <CKirchof@tetrattec.com>
Cc: Shoemaker, Mike <Mike.Shoemaker@dvn.com>; Adam Calvin <ACalvin@tetrattec.com>; Delfino Escalante III <D3Escalante@tetrattec.com>; Andrew Romo <aromo@tetrattec.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>
Subject: RE: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac

Pond T-25-S, R-31-E, Eddy County, New Mexico

Good morning Mr. Kirchof:

Thank you for the primary document regarding 1RP-4867. Is this a template for whichever environmental consultancy will be awarded to conduct the release characterization/delineation?

Please be advised that several additional details are necessary for assessment:

- Depth to groundwater evaluation: use NMOSE, USGS, and other available databases.
- Distance to nearest waterbody and wellheads: topographic maps for a preliminary evaluation is available on NMOCD website: OCD GIS
- All maps and figures must be scaled appropriately to the size of the release. Impacted area must be outlined and proposed delineation sample points marked, in relation to the release point, based on site assessment of representative pooling spots.
- All laboratory analyses should have accompanying data from field tests. Tabulate data to facilitate review.
- Caliche 'impermeable' layer is not an acceptable rationale for incompleteness of vertical delineation.

Please be advised that according to NMOCD database, this release occurred on State surface and mineral ownership. NMSLO can verify. All corresponding agencies must be included in all communications and submitted reports.

Thanks,

Olivia Yu
Environmental Specialist
NMOCD, District I
Olivia.yu@state.nm.us
575-393-6161 x113

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Clifford Kirchof <CKirchof@tetrattec.com>

Sent: Tuesday, March 20, 2018 1:56 PM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>

Cc: Shoemaker, Mike <Mike.Shoemaker@dyn.com>; Adam Calvin <ACalvin@tetrattec.com>; Delfino Escalante III <D3Escalante@tetrattec.com>; Andrew Romo <aromo@tetrattec.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Subject: 1RP-4867 - Submittal of Proposed WorkPlan for Soil Delineation at the Trionyx Frac Pond T-25-S, R-31-E, Eddy County, New Mexico

Ms. Olivia Yu

TETRA Technologies Inc. (TETRA), a contractor to Devon Energy Production Co, LP (6137) (Devon) wishes to submit a Proposed Delineation Workplan (Workplan) to the New Mexico Oil Conservation Division (NMOCD) to address the release at the Trionyx Frac Pond on October 24, 2017 (Case No. 1RP-4867). Attached is the proposed Workplan for your review and comments.

I have also copied Mike Bratcher, NMOCD because a similar release occurred from the same water source in District 2 (2RP-4543). We have submitted a similar Workplan to Mr. Bratcher for that release.

Should you have any questions or comments, please do not hesitate to contact me at 281-364-5116.

Best regards,
cliff

Clifford E Kirchof
Environmental/Chemical Regulatory Compliance Manager

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Dedicated to the CØRE



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