

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Tuesday, March 31, 2020 11:34 AM
To: 'Sanjari, Melodie (MRO)'; Hamlet, Robert, EMNRD; Bratcher, Mike, EMNRD; Eads, Cristina, EMNRD; 'vertexresourcegroupusa@gmail.com'
Cc: Castro, Isaac (MRO); CFO_Spill, BLM_NM; Johnson, Misti M. (MRO); Billings, Bradford, EMNRD
Subject: NRM1935240293 FRIZZLE FRY 15 WXY FEDERAL COM #007H @ 30-025-45892

NRM1935240293 FRIZZLE FRY 15 WXY FEDERAL COM #007H @ 30-025-45892

Good morning Melodie,

In respect to vertical delineation, yes, it has been completed. In respect to horizontal delineation, it has **not** been completed. While vertical definition of contamination that may be acceptable is almost exclusively driven by depth to water, as determined, and as driven by Table I in the spill rule, horizontal definition is different. The edges (horizontal definition) of a liquid release must be determined as well. The only value for determination of horizontal impact are derived by either "background" value as determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils. Therefore, horizontal soils delineation for chloride should be 600 mg/kg (again, or background) for all liquid releases, either on or off production pad. It is conceivable that in determining the horizontal extent of chloride that the edge of the production pad may be encountered, if last sample taken on pad limit, sample(s) must be obtained off pad to determine extent of release. If horizontal delineation samples on pad eventually reach a mechanical barrier, (such as pipeline or battery) sample(s) should be obtained as near as possible on the linear opposite side of said barrier and as close as possible to the barrier.

It is conceivable that a liquid release may occur with, for example, a surface soil chloride of 19,000 mg/Kg, and if it is reliably determined that groundwater is over 101 feet below ground surface, then that value may stand as a vertical definition, but nonetheless, the horizontal value(s) for lateral extent of liquid release would still, of Rule 29 necessity, be 600 mg/Kg chloride or less. This would be inclusive of both "on-pad" of "off-pad" release area. The above is laboratory data driven, not just reported visual extent of a liquid release or calculated and reported release volumes. As indicated in the spill rule, a scaled map with horizontal and vertical definition of actual laboratory values is required. Generally, the top one foot sample suffices for immediate horizontal evaluation and deeper contamination would likely be identified during actual remediation.

Please let me know if you have any other question or concerns.

Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
811 S. First St., Artesia NM 88210
(575) 748-1283
Victoria.Venegas@state.nm.us

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 groundwater, 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, or local laws and/or regulations.

From: Sanjari, Melodie (MRO) <msanjari@marathonoil.com>
Sent: Tuesday, March 31, 2020 10:37 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Hamlet, Robert, EMNRD

<Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>

Cc: Castro, Isaac (MRO) <icastro@marathonoil.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>; Johnson, Misti M. (MRO) <mjohnson4@marathonoil.com>

Subject: [EXT] RE: NCE2003749394 ENDER WIGGINS 14 TB FEDERAL COM #003H @ 30-025-45188

Good Morning Victoria,

We would like some additional information regarding your denial of the Frizzle Fry 15 WXY Federal Com #007H closure report, incident # NRM 1935240293. As mentioned in your denial explanation, you state that we did not meet the requirement of [19.15.29.11](#) Site Assessment/Characterization whereby "...the responsible party must assess soils both vertically and horizontally for potential environmental impacts from any major or minor release containing fluids" because the release was not delineated to 'background' or 600 mg/Kg for chlorides.

However, based on Subparagraph (b) of Paragraph (5) of Section (A) [19.15.29.11](#) "...the responsible party must delineate the release horizontally and vertically using Table I of [19.15.29.12](#) NMAC constituents." Please explain why vertical and horizontal delineation must be completed to the 600 mg/Kg for chlorides for this release where it occurred on an active well pad, no reclamation is required at this time and depth to groundwater for the site is >100 ft bgs. The only exception to delineation to Table I of [19.15.29.12](#) NMAC standards is outlined in Subparagraph (c) of Paragraph (5) of Section (A), which lays out that for releases in areas where depth to groundwater of 50 ft < 100 ft, if both stated conditions (i) and (ii) are met, the release should be delineated to 600 mg/Kg chlorides; however, this site does not meet any of the requirements for this exception.

Thank you so much for your time and reconsideration of our closure request.

Best,

Melodie Sanjari

Environmental Professional
Marathon Oil Company – Permian Asset
Cell - (575) 988-8753
4111 S. Tidwell Road
Carlsbad, NM 88220



From: Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>

Sent: Monday, March 23, 2020 8:55 AM

To: Sanjari, Melodie (MRO) <msanjari@marathonoil.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>

Cc: Castro, Isaac (MRO) <icastro@marathonoil.com>; CFO_Spill, BLM_NM <blm_nm_cfo_spill@blm.gov>

Subject: [External] NCE2003749394 ENDER WIGGINS 14 TB FEDERAL COM #003H @ 30-025-45188

Beware of links/attachments.

NRM1935240293 FRIZZLE FRY 15 WXY FEDERAL COM #007H @ 30-025-45892

Ms. Sanjari,

The OCD has denied the submitted Closure Report C-141 for incident # NRM1935240293 FRIZZLE FRY 15 WXY FEDERAL COM #007H @ 30-025-45892 for the following reasons:

- Horizontal delineation has not been completed. By Rule [19.15.29.11](#) SITE ASSESSMENT/CHARACTERIZATION: "...the responsible party must assess soils both vertically and horizontally for potential environmental impacts from any major or minor release containing fluids." The edges -horizontal definition- of a liquid release must be determined. The values for determination of horizontal impact are derived by either "background" value or 600 mg/Kg for chlorides. More delineation/remediation efforts are needed for this site.

The Denied C-141 can be found in the online image file. Please review and make the required correction prior to resubmitting through the fee portal.

Thank you,

Victoria Venegas
State of New Mexico
Energy, Minerals, and Natural Resources
Oil Conservation Division
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