

STATE OF
COLORADO

Allison - DNR, Rick <rick.allison@state.co.us>

Follow Up: Uhrich 13-29 NFA Request (Doc# 401274672)

1 message

Karen Olson <Karen.Olson@pdce.com>
To: "Allison - DNR, Rick" <rick.allison@state.co.us>
Cc: Christine Hamlin <chamlin@tasman-geo.com>

Wed, May 24, 2017 at 9:45 AM

Rick –

Per our phone conversation last week, please find below additional information relating to the excavation and sampling activities conducted at the **Uhrich 13-29**, in reference to the Form 19 NFA request submitted on May 11, 2017, under Doc# 401274672.

A historic release was discovered below the separator during plug and abandonment activities. Excavation activities were conducted between April 10 and April 17, 2017. Groundwater was encountered at 24 feet below ground surface (bgs). A total of 1,092 cubic yards of unsaturated and saturated material were removed from the excavation to a total depth of 25 feet bgs. Groundwater vacuum recovery events were initiated during impacted soil removal and continued through May 1, 2017. During this time, additional benching and sloping were conducted in order to safely access and recover groundwater within the excavation. Groundwater infiltration rates from the formation were slow, which resulted in a prolonged duration of vacuum recovery events. A total of 90 barrels of groundwater were removed. A groundwater sample was collected within 12 hours of the final vacuum recovery event to verify that the sample was representative of formation groundwater. Analytical results indicated dissolved phase BTEX concentrations were below COGCC Table 910-1 standards.

Given that groundwater infiltrated through the remaining smear zone from the sidewalls of the excavation, groundwater analytical results are representative of aquifer conditions. As such, there is no reason to assume that dissolved phase hydrocarbon impacts remain in the sub-surface. Based on this information, PDC feels that final soil and groundwater data collected from the excavation area confirm hydrocarbon impacts were successfully addressed in accordance with COGCC 900 Series regulations.

Please call if you feel there is further clarification needed.

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