



2350 W Marland Blvd Hobbs, NM 88240

Corrective Action Plan

April 26, 2016

Re: EAU Emulsion Line

API# 30-015-22834

Case # 2RP-3572

To: Mike Bratcher

Environmental Specialist-New Mexico Oil Conservation Division Energy, Minerals and Natural Resources Department 811 S. First Street Artesia, NM 88260

Background Information

On February 24, 2015 a release occurred due to a 4 inch repair clamp on a buried 4 inch fiberglass line failed. The line was isolated and repaired. The entire release affected approximately 34,000 square feet of pasture. The release is located east of Artesia, NM in unit letter C section 11 township 18S range 27E. In 2011, a release on the same emulsion line occurred just east of the vicinity of the current release (2RP-860). During remediation activities an observational well was drilled which indicated no ground water.

On March 2, 2016 five verticals were dug to delineate the site for chloride, TPH, and Betex. Chloride field test were performed in regular intervals to a depth of 2 feet below ground surface. At 3 feet a clay barrier was encountered and so we stopped field testing and sent the surface, 1 and 2 foot samples to the lab for analysis of Chloride, TPH, and Betex.

Corrective Action Proposal

Due to the absence of groundwater Apache proposes an in-situ remediation plan. The plan is to utilize effluent water and the product LCA-II to sink and dilute the chlorides beneath the root zone to re-establish conditions suitable for native plant growth. To deal with the hydrocarbon issues Apache proposes the use of effluent water and the product SuperAll to restore the natural microbes in the soil to bio remediate the hydrocarbons. After the products have been applied samples will be collected to ensure the chloride and hydrocarbons have been reduced to acceptable levels and regulatory compliance for TPH. The area will then be seeded with an approved BLM seed mixture.

Enclosed: Initial C-141, Maps, Table, Laboratory Results, and letter from observational well from 2011.

Submitted by;

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