

Background Arsenic in soil discussion

There is no evidence of a spill at the locations with elevated arsenic.

The result for arsenic concentration in a produced water sample pulled from Timbro 1-31 PW tank is 10.8 ug/L.

The highest sample, #5, had arsenic concentration of 5.96 mg/kg. The background sample is 3.09 mg/kg.

That would be a total of 5,960 ug spilled or 5.96 mg total in the kg of soil our highest sample was pulled from.

For produced water from a spill to contribute to the 2.87 mg/kg over background in sample #5, 1.6 BBLs of a spill would have had to concentrate into the 1 kg soil sample.

There is no other analyte in any sample elevated to indicated a spill of a quantity that would be needed to elevate arsenic.

Therefore, the arsenic in the soil samples was not the result of a spill, is naturally occurring in Colorado soil and the closure of this remediation project should be approved.