

**Conditions of Approval (Doc #2614122) – Form 27 Site Investigation and Remediation Workplan  
(Doc#200370331)**

Miller South Spreadfield #1 (Nonfacility ID 425661) Calcium Chloride Release – S/2NW Sec29 T5N R64W,  
Weld County

Spill Tracking #2223090

Remediation Project #7412

Sufficient data has not been collected to determine whether monitored natural attenuation is feasible for remediation of the elevated chloride concentrations in ground water. Nor is there evidence that the elevated chloride, sulfate and TDS concentrations in ground water are a result of anything but the application of drilling waste and the spill of calcium chloride enriched water at the location. Therefore, the following actions must continue to document the extent of chloride impact in ground water and to aid in determining whether sulfate and chloride concentrations will stabilize and begin to decline through time.

1. Conduct quarterly ground water monitoring of all monitoring wells at the site (SB01R, SB02R, SB03R, SB04R, SB05R, SB06R, SB07R, SB08R, SB10, SB11, SB12, SB13, SB14, SB15, SB16, SB, 17, SB18, SB19, SB20, SB21, SB22, SB23) for four consecutive quarters. The number of monitoring wells sampled may be reduced after additional data is collected.
2. Analyze ground water samples for chloride, sulfate and TDS.
3. If site conditions change or potential receptors at this location appear at risk of impact by chloride in ground water, additional remediation activities may be required.
4. Correctly label and plot ground water monitoring points and estimate ground water flow direction based on ground water elevations to a 0.01 foot resolution.