March 21, 2025

Water Corrosivity
1527 First Ave.
Greeley, CO 80631

Laboratory No. E25999-3
Sample ID: Feed Well 17

	Results
pH (SI)	7.18
Conductivity (mS/cm)	1.346
Total Dissolved Solids (ppm)	861.44
Calcium (ppm)	25.00
Calcium (ppm as $CaCO_3$)	62.4
Magnesium (ppm)	10.0
Hardness (ppm)	104
Temperature (°C)	25
Total Alkalinity as $CaCO_3$ (ppm)	57.0
Carbonate Alkalinity as $CaCO_3$ (ppm)	0.0
Bicarbonate Alkalinity as $CaCO_3$ (ppm)	57.0
Temperature (°C)	25
Chloride (ppm)	300.0
Sulfate (ppm)	1800
Langelier Saturation Index (LSI)	-1.25
LSI indication	Mild Corrosion -- Treatment May Be Needed
Ryznar Stability Index	9.68
Ryzner Index Indicator	Mild steel corrosion becomes an increasing problem
Larson-Skold Index	40.33
Larson-Skold Index Indicator	Chlorides and Sulfates will probably interfere with film formation. High corrosion rates of a local type should be expected as the index increases above 1.2.

Note: The index values are only approximations and the actual behavior of the water may vary based on the site-specific conditions.

Project Manager

Date