

Summary of Results of Reasonable Potential Statistical Analysis for SUFCo

Parameter	Outfall	Number of Samples	Outcome		Result
			Acute	Chronic	
Total Boron	002	2	*MEC > MAC*	MEC > MAC	Acute and Chronic limit required**
Total Nickel	002	2	MEC < MAC	MEC < MAC	No Acute or Chronic limit required**
Total Selenium	002	2	MEC < MAC	MEC > MAC	Chronic limit required**
Total Zinc	002	2	MEC > MAC	MEC > MAC	Acute and Chronic limit required**
Total Boron	003	2	MEC > MAC	MEC > MAC	Acute and Chronic limit required**
Total Nickel	003	2	MEC < MAC	MEC < MAC	No Acute or Chronic limit required**
Total Selenium	003	2	MEC < MAC	MEC < MAC	No Acute or Chronic limit required**

\*MEC – Maximum expected effluent concentration as determined from Reasonable Potential statistical analysis.

\*MAC – UPDES permit limit developed from the wasteload allocation process.

\*\*Based upon the policy “Reasonable Potential Analysis Guidance”, developed by the Utah Division of Water Quality and implemented on September 10, 2015, page 3, paragraph 2; it was determined not to include any total metal effluent limits in the permit because only two values of the total metals were provided for statistical analysis. Instead, the Division requires the permittee to monitor all of the total metals used in the study on a quarterly basis throughout the next five year permit cycle. This will provide enough of a data base to make a more accurate determination as to what effluent metal limits will be required in the next permit cycle.