

### Reasonable Potential Analysis for Holiday Water Company

Date	Total # of samples	Parameter	Minimum Reporting Limit ug/L	Maximum Concentration ug/L	Chronic WQS* ug/L	RP Analysis Needed
8/11/2008	4	T - Cu	< 2.0	1.68	16.2	No
8/11/2008	4	T - Cr	< 4.0	8.01	130.8/11.0	No
8/11/2008	4	T - Ni	< 5.0	9.94	93.5	No
8/7/2007	4	T - Pb	< 0.1	0.152	5.3	No

**\*Water Quality Standards**

Metals and organics were analyzed for the water that ends up being discharged. For the organics only one parameter was detected in only one sample and that was chloroform, and it was detected at its minimum reporting limit of 0.5 ug/L. Based on this information the permit writer is not concerned about any reasonable potential for organics to cause toxicity.

For all the metal samples taken, only the metals listed in the above table exceeded the minimum reporting limit. This happened on four samples for each of the metals listed and the maximum concentration for the 4 samples is included in the table. For a wastewater treatment plant if these maximum values when multiplied by 10 exceed the chronic water quality standards, then a reasonable potential analysis would be needed. Since this facility is not a wastewater treatment plant, but is a water treatment plant, and the values are very close to the chronic water quality standards after applying the 10 factor, no RP analysis is necessary. However, monitoring should be required for those metals that exceeded their minimum reporting limit and T-Cu, T-Cr, T-Ni and T-Pb will be monitored in the permit. This will give a much better statistical analysis at the end of the next five year permit period, than just the four values that we presently have.