

August 8, 2008

Guy Markus  
Sampling Supervisor  
Rio Tinto/Kennecott Utah Copper  
P.O. Box 6001 Magna Utah. 84044

Subject: Comments to Proposed Amendments to the Standards of Quality for Waters of  
the State, R317-2 – Great Salt Lake Selenium Standard

Dear Mr. Moellmer

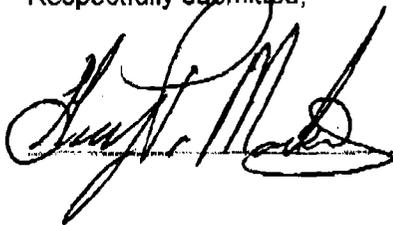
We have reviewed the proposed amendments to the standards of quality for waters of the State proposed for Rule R317-2 of the Utah Administrative Code. We desire to submit comments on the proposed standard for selenium in the open waters of Gilbert Bay. This issue is important to us because of the need to protect the Great Salt Lake ecosystem and the need to provide for increased public water supplies for a rapidly growing human population in Salt Lake Valley. Specifically, the demineralization of water sources in Utah and Salt Lake counties would produce by-product water which may be feasibly be discharged to Gilbert Bay.

We note that the proposed selenium water quality standard consists of two components. The first component is a tissue-based standard of 12.5 mg/kg dry weight using bird eggs. We agree with this proposed standard, and appreciate the extensive studies that have been performed over the previous four years to arrive at this number.

We also agree with the second component, that of establishing assessment procedures for Gilbert Bay waters which would allow for monitoring and taking increased actions if selenium concentrations are found to increase toward to the standard in future years. However, we disagree with the proposal to place caps on selenium loading in Great Salt Lake discharge permits at a 60 percent of the proposed standard level. We see this as a defacto selenium standard placed at 60 percent of the number derived through appropriate scientific studies.

We request that the implementation of annual selenium loading caps at levels below the selenium standard not be included within the proposed assessment procedures. We appreciate the opportunity to comment on this important water quality and standards issue.

Respectfully submitted,



DWQ-2008-001422  
Document Date: 08/08/2008

August 8, 2008

Justin Whittaker  
Senior Water Resources Technician  
Kennecott Utah Copper / Rio Tinto  
P.O. BOX 6001  
Magna Utah 84044

Subject: Comments to Proposed Amendments to the Standards of Quality for Waters of the State, R317-2 – Great Salt Lake Selenium Standard

Dear William Moellmer,

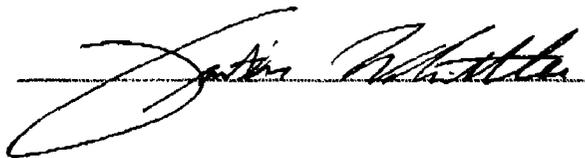
We have reviewed the proposed amendments to the standards of quality for waters of the State proposed for Rule R317-2 of the Utah Administrative Code. We desire to submit comments on the proposed standard for selenium in the open waters of Gilbert Bay. This issue is important to us because of the need to protect the Great Salt Lake ecosystem and the need to provide for increased public water supplies for a rapidly growing human population in Salt Lake Valley. Specifically, the demineralization of water sources in Utah and Salt Lake counties would produce by-product water which may be feasibly be discharged to Gilbert Bay.

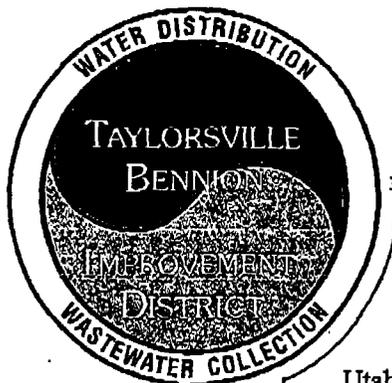
We note that the proposed selenium water quality standard consists of two components. The first component is a tissue-based standard of 12.5 mg/kg dry weight using bird eggs. We agree with this proposed standard, and appreciate the extensive studies that have been performed over the previous four years to arrive at this number.

We also agree with the second component, that of establishing assessment procedures for Gilbert Bay waters which would allow for monitoring and taking increased actions if selenium concentrations are found to increase toward to the standard in future years. However, we disagree with the proposal to place caps on selenium loading in Great Salt Lake discharge permits at a 60 percent of the proposed standard level. We see this as a defacto selenium standard placed at 60 percent of the number derived through appropriate scientific studies.

We request that the implementation of annual selenium loading caps at levels below the selenium standard not be included within the proposed assessment procedures. We appreciate the opportunity to comment on this important water quality and standards issue.

Respectfully submitted,





1800 West 4700 South • P.O. Box 18579 • Taylorsville, Utah 84118 • (801) 968-9081 • Fax. (801) 963-3199

August 18, 2008

**CHAIRMAN**  
Benjamin Behunin

**CLERK**  
Gary C. Swensen

**TREASURER**  
Donald G. Russell

**GENERAL MANAGER**  
Floyd J. Nielsen

**ATTORNEY**  
Bill Gibbs

**CONSULTANT ENGINEER**  
Paul J. Hirst

Utah Quality Board  
Attention: William Moellmer  
Utah Division of Water Quality  
P.O. Box 144870  
Salt Lake City, Utah 84114-4870

Subject: Comments to Proposed Amendments to the Standards of Quality  
for Waters of the State, R317-2- Great Salt Lake  
Selenium Standard

Dear Board,

We have reviewed the proposed Amendments to the Standards of Quality for Waters of the State, proposed for Rule R317-2 of the Utah Administrative Code. We desire to submit comments on the proposed standard for selenium in the open waters of Gilbert Bay. This issue is important to us because of the need to protect the Great Salt Lake ecosystem and the need to provide for increased public water supplies for the rapidly growing human population in Salt Lake Valley. Specifically, the demineralization of water sources in Utah and Salt Lake counties would produce by-product water which may feasibly be discharged to Gilbert Bay.

We note that the proposed selenium water quality standard consists of two components. The first component is a tissue-based standard of 12.5 mg/kg dry weight, using bird eggs. We agree with this proposed standard, and appreciate the extensive studies that have been performed over the previous four years to arrive at this number.

We also agree with the second component, that of establishing assessment procedures for Gilbert Bay waters which would allow for monitoring and taking increased actions if selenium concentrations are found to increase toward the standard in future years. However, we disagree with the proposal to place caps on selenium loading in Great Salt Lake discharge permits at 60 percent of the proposed standard level. We see this as a de facto selenium standard placed at 60 percent of the number derived through appropriate scientific studies.

We request that the implementation of annual selenium loading caps at levels below the selenium standard not be included within the proposed assessment procedures. We appreciate the opportunity to comment on the important water quality and standards issue.

Respectfully submitted,