

Rio Tinto

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28 February 2012

Mr. Keith I. McConnell, Deputy Director
Division of Waste Management and Environmental Protection
Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
11545 Rockville Pike, Mail Stop T7-E18
Rockville, MD 20852-2738

Dear Mr. McConnell:

SUBJECT: Sweetwater Uranium Project – Docket Number 40-8584 – Source Material License #SUA-1350 License Condition 12.3 – Required Reporting

Enclosed is one CD-ROM containing the following reports pertaining to Kennecott Uranium Company's Source Material License #SUA-1350:

- Semiannual 10 CFR 40.65 Report (Airborne Effluents) – summarizes the results of air and ambient gamma monitoring for the site;
- Annual ALARA Audit – summarizes the results of the annual ALARA audit for the facility, contains data pertinent to the facility's radiation safety program and includes the Annual Safety and Environmental Review Panel (SERP) Report;
- Annual Land Use Survey – summarizes land use in the vicinity of the Sweetwater Uranium Project.
- Annual Corrective Action Program Review – summarizes all monitoring and mitigation efforts in the area of the tailings cell under the groundwater corrective action program and contains the Groundwater Monitoring Report required annually as per License Condition 12.3;

All of these reports are being submitted together as originally requested by Louis Carson during his inspection of the facility in 1995. It was later discussed with Charlotte Abrams of your staff in a telephone conversation on January 30, 1997 and February 5, 1998. She stated that these reports could all be submitted together within the sixty-day time period following January 1 of each year allowed for the 40.65 report. This single submittal procedure was incorporated into the facility's new performance based operating license in License Condition 12.3. In addition, only the most recent sample results for the tailings impoundment monitor wells are being submitted, as per a request made by Bob Evans during his inspection on July 8, 1997.

Kennecott Uranium Company has examined the data included in the 40.65 report containing the air and ambient gamma monitoring data for the site and has concluded that the dose does not exceed the 100-mrem per year dose limit. A copy of the calculation sheet as well as an explanation of the calculation method is included. This is being done at the request of Elaine Brummett of your staff in an email dated September 7, 2001. This issue was further discussed with James Webb of your staff in a telephone conversation and email dated Wednesday, January 19, 2011. This discussion was in response to the presentation given by Duane Schmidt at the meeting between Nuclear Regulatory Commission (NRC)

staff and members of the uranium recovery industry on January 12, 2011 in Denver, Colorado. During a second telephone conversation on Thursday, February 3, 2011, James Webb stated that Kennecott Uranium Company should not delay the submittal of the 40.65 report pending a decision from Commission staff, but rather submit the report using the dose calculation method that had been used in previous reports. This is being done. Should you have any questions, please do not hesitate to contact me at (307) 328-1476.

Sincerely,

A handwritten signature in black ink that reads "Oscar A. Paulson". The signature is written in a cursive, slightly slanted style.

Oscar A. Paulson
Facility Supervisor

cc: James Webb – Project Manager (2)
Director – NRC DRSS – Region IV (w/o enc.)
Rich Atkinson – Rio Tinto America, Inc.

Rio Tinto

Kennecott Uranium Company

Sweetwater Uranium Project

Source Material License SUA-1350

License Condition 12.3 – Required Reporting

27 February 2012

- **10 CFR 40.65 Report – Airborne Effluents 2011**
- **ALARA Audit 2011**
- **Land Use Survey 2011**
- **Corrective Action Program Review 2011**