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August 11, 2015

**Via E-mail and Courier**

Mr. Andrew Persinko, 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  
 Rockville, Maryland 20852-2738

Dear Mr. Persinko

**Subject: Kennecott Uranium Company - Sweetwater Uranium Project – Docket  
 Number: 40-8584 - Source Material License SUA-1350 – Proposed  
 Response Schedule to the Set of Eight (8) Requests for Additional  
 Information (RAIs) dated July 13, 2015.**

Kennecott Uranium Company is in receipt of a letter dated July 13, 2015 from the Nuclear Regulatory Commission (NRC) containing eight (8) Requests for Additional Information (RAIs) pertaining to its **Request for Renewal of Source Material License SUA-1350 for a Ten (10) Year Term** dated July 24, 2014. The letter requested that Kennecott Uranium Company either respond to or propose a schedule for responding to the Requests for Additional Information (RAIs) within thirty (30) days.

Kennecott Uranium Company is proposing, in this letter, the following schedule to respond to the eight (8) Requests for Additional Information (RAIs). The schedule is shown in the table below:

**Table 1 Summary of Approach and Schedule for Ultimate Response to the Eight (8) Requests for Additional Information (RAIs)**

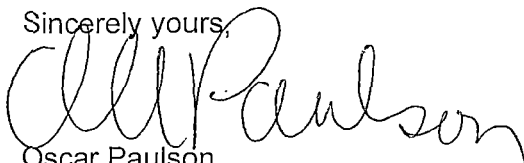
<b>Request for Additional Information (RAI) Number</b>	<b>Request for Additional Information (RAI) Topic</b>	<b>Approach Summary</b>	<b>Scheduled Date for Ultimate Response</b>
1	Current extent and nature of the plume	Expand spatial and temporal limits of existing groundwater conceptual model to better evaluate the plume. Determine if any additional monitoring wells are required.	October 13, 2015
2	Perched horizon	Assessment of the perched aquifer and evaluation of historical and 2015 data from perched wells.	October 13, 2015

3	North Camp Well	Evaluation of historical data, use of the well and review of reports/studies pertaining to the well.	October 13, 2015
4	Dose conversion factor	Evaluation of historical information and documentation pertaining to the dose conversion factor in current use at the facility.	October 13, 2015
5	Time period for Total Effective Dose Equivalent (TEDE) calculation	Review regulations, procedures used and alternate approaches available and propose the most appropriate time period	October 13, 2015
6	Use of an average equilibrium factor	Review procedures used and alternate approaches available and propose most appropriate means of developing an equilibrium factor	October 13, 2015
7	Measurement of radon decay products in working levels	Review procedures used and alternate approaches available and propose most appropriate procedure including most appropriate measurement frequency.	October 13, 2015
8	Annual average airborne Radon-222 concentration calculations	Perform MILDOS modeling using the tailings impoundment as the site's sole Radon-222 source to calculate Radon-222 concentrations at various receptor points.	October 13, 2015

The table above constitutes Kennecott Uranium Company's response to the letter dated July 13, 2015. The preparation of this letter was discussed with James Webb of your staff in a telephone conversation at 11:00 a.m. on Tuesday, August 11, 2015.

If you have any questions please do not hesitate to contact me.

Sincerely yours,



Oscar Paulson  
Facility Supervisor

Cc: James Webb – Project Manager (2)  
Director – NRC – DRSS – Region IV  
Rich Atkinson – Cedar Mountain Ventures, LLC.