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August 31, 2011

ATTN: Document Control Desk
Director, Office of Federal and State Materials and Environmental Management Programs
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

RE: Moore Ranch Project License SUA-1596 – Semi Annual Report January 1 – June 30, 2011

Dear Mr. Mandeville;

As per our discussion on July 26, 2011, Uranium One is submitting this letter report to satisfy the requirements of 10 CFR 40.65 and SUA-1596, License Condition 11.0, specifically 11.1 (A), (B) and (C). As we discussed, development activities at the Moore Ranch ISR Project were temporally suspended in April 2011, to focus company and contractor resources on development activities at the Willow Creek Project. No construction activities have been undertaken at the Moore Ranch site.

Activities undertaken at the site during the first six months of 2011 were limited to well drilling and completion of the perimeter ring monitoring wells, underlying monitoring wells, overlying monitoring wells and baseline restoration wells in the Wellfield #2 (WF #2) area. During the report period Uranium One drilled and completed 26 perimeter ring wells, 9 overlying wells, 12 underlying wells, and 11 restoration wells. No Class III (Injection or Recovery) wells have been drilled at the site as of the end of June 2011. The monitoring wells will all be sampled for baseline parameters after the WF #2 hydrologic test (pump test) is completed. Data and analysis from the hydrologic test and baseline analytical water quality results will be included in the WF #2 Data Package submitted to the NRC and the WDEQ-LQD, District III Office.

No operational monitoring was conducted during the reporting period. No effluent and environmental monitoring was conducted during the reporting period. As a result of the suspended activities, no construction activities (aside from monitoring well installation) were conducted and thus, no operational activities (lixiviant injection) were undertaken at the site. There was no evaluation of the radiation protection program, or corrective actions taken at the site.

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Uranium One reapplied for, and received, coverage under the State Large Construction Storm Water WPDES permit. The only other activity that took place at the site was the operation of a Weather Station to collect baseline meteorological information as per License Condition 12.6 on the east side of the license boundary. All activities undertaken to date at the site are covered in the original surety estimate submitted when the License was issued and would not necessitate revision at this time. Uranium One will submit quarterly reports as per License Condition 11.1(A) when operations (lixiviant injection) commence at the site.

If you have any questions please do not hesitate to contact me at 307-234-8235, ext. 331 or at jon.winter@uranium1.com.

Sincerely,

Jon Winter
Manager, Wyoming Environmental and Regulatory Affairs.

Cc: Glenn Mooney – WDEQ-LQD District III

Bill Kearney – Uranium One

Deputy Director, Decommissioning and Uranium Recovery Licensing Directorate, Division of Waste Management and Environmental Protection, Office of Federal and State Materials and Environmental Management Programs.

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