

November 28, 2011

Mr. Jon Winter
Manager, Wyoming Environmental
and Regulatory Affairs
Uranium One Americas, Inc.
907 N. Poplar Street, Suite 260
Casper, WY 82601

SUBJECT: URANIUM ONE, USA, INC., WILLOW CREEK PROJECT, CAMPBELL AND
JOHNSON COUNTIES, WYOMING, SOURCE MATERIALS LICENSE SUA-
1341, REQUEST FOR ADDITIONAL INFORMATION, ANNUAL SURETY
ESTIMATE ADJUSTMENT (TAC NO. J00653)

Dear Mr. Winter:

By letter dated September 26, 2011, Uranium One, USA, Inc., submitted its annual surety update for the Willow Creek Project in Campbell and Johnson Counties, Wyoming, for the U.S. Nuclear Regulatory Commission (NRC) staff's review and approval. The package was made publicly available in NRC's Agencywide Documents Access and Management System (ADAMS) on October 5, 2011 and can be found at ML11278A010. The surety estimate was accepted for review on October 27, 2011.

NRC staff requires additional information from Uranium One, USA, Inc., in order to complete the surety review. The request for additional information is provided in the enclosure. Within 30 days, please either provide the information requested or inform us of the date you expect to provide the information. We are available to meet with you to discuss the requested information.

If you have any questions concerning this letter, please contact me, either by telephone at (301) 415-7777, or by e-mail at ron.linton@nrc.gov.

J. Winter

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

/RA/

Ron C. Linton, Project Manager
Uranium Recovery Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 040-08502
License No.: SUA-1341

Enclosure:
Request for Additional Information

cc: Glenn Mooney (WDEQ)

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice for Domestic Licensing Proceedings and Issuance of Orders," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from ADAMS. ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

Ron C. Linton, Project Manager
Uranium Recovery Licensing Branch
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 040-08502
License No.: SUA-1341

Enclosure:
Request for Additional Information

cc: Glenn Mooney (WDEQ)

Distribution:
KMcConnell MPurdie KKline LGersey, RIV BSpitzberg, RIV

ML113260199

OFC	DWMEP/DURLD	DWMEP/DURLD	DWMEP/DURLD	DWMEP/DURLD
NAME	RLinton	BGarrett	BvonTill	RLinton
DATE	11/22/12	11/22/12	11/22/12	11/28/12

OFFICIAL RECORD COPY

**Request for Additional Information (RAI) for
the Annual Surety Update for Uranium One USA Inc.,
Willow Creek Project**

RAI 1: Clarify the difference in building expansion characteristics between Worksheet 2 and Worksheet 3. Basis: NUREG-1569, Appendix C (I)(B)(1)(a) and (I)(B)(1)(b)).

The licensee indicated in its submittal that there would be changes in the size (measured in cubic yardage) of the Irigaray Expansion building and the Christensen Ranch Satellite Plant and Wellfield Modules in Worksheet 2, "Plant Equipment Removal and Disposal." However, in Worksheet 3, "Restoration and Reclamation Costs," in the "Building Demolition and Disposal" and "Concrete Decontamination, Demolition & Disposal" sections, the licensee did not indicate any changes in size (measured in cubic feet) to the Irigaray Expansion Building and the Christensen Satellite Plant. The licensee, however, did indicate a change in size (measured in cubic feet) at the Christensen Wellfield Modules in the "Building Demolition and Disposal" section of Worksheet 3. Please clarify and update the surety estimate, if necessary.

RAI 2: Clarify the total handling cost in Worksheet 4 for Brine Pond 1. Basis: NUREG-1569, Appendix C (I)(C)).

The licensee indicated in its submittal in Worksheet 4, "Pond Reclamation," a line item for the handling cost per load for the "Leak Detection System Removal," and the amount of loads necessary to dispose of the equipment for Brine Pond 1. However, the licensee did not include a line item for the total handling cost of the "Leak Detection System Removal." Please clarify and update the surety estimate, if necessary.

RAI 3: Clarify the transportation and disposal costs for Christensen Mine Unit #8, production well pumps tubing volume reduction & loading, in Worksheet 6. Basis: NUREG-1569, Appendix C (VIII)(B)(4).

The licensee updated information related to the addition of Christensen Ranch Mine Unit 8 production well pumps. However, on Worksheet 6, "Wellfield Equipment Removal & Disposal," the licensee included information with respect to tubing volume reduction & loading in part II, section c, of Worksheet 6. The licensee appears to indicate that 100 percent of the tubing will be disposed of in a landfill in part II, section d, of Worksheet 6, but the submittal shows zero percent disposal. Please clarify and update the surety estimate, if necessary.

RAI 4: Clarify the decrease in cost of manhole removal in Worksheet 6. Basis: NUREG-1569, Appendix C (VIII)(B)(4).

The licensee, in Worksheet 6, "Wellfield Equipment Removal & Disposal," indicated the cost of removal per manhole in section V, "Manholes." The licensee indicated removal of the manholes at Irigaray cost \$117 each; however, the cost of removal for the Christensen Ranch Mine Units

has decreased to \$109.73 without a clear basis. Please clarify and update the surety estimate, if necessary.

RAI 5: Clarify the average affected thickness in Worksheet 7, sections V. and VI. Basis: NUREG-1569, Appendix C (I)(C).

The licensee, in Worksheet 7, "Topsoil Replacement & Revegetation," sections V, "Other," and VI, "Remedial Action," part A, "Topsoil Handling & Grading," indicated affected acreage that would need some sort of restoration or reclamation during decommissioning. However, unlike the rest of Worksheet 7, the licensee does not indicate any average affected thickness (i.e. soil depth) that would be impacted. As a result, there is no topsoil handling cost with respect to these two sections of Worksheet 7. Please clarify and update the surety estimate, if necessary.

RAI 6: Clarify the utilities cost in Worksheet 8, section IX. Basis: NUREG-1569, Appendix C (IV).

The licensee, in Worksheet 8, "Miscellaneous Reclamation," section IX, "Utilities Cost," indicates there would be a \$65 cost per month in utilities charges. However, on Worksheet 1, "Groundwater Restoration," section I, "Groundwater Sweep," part A, "Plant and Office," the licensee included two utilities charges in their cost estimate. The first, the cost for power, would be \$65 a month, and the other, telephone cost per month, would be \$500 a month. Please clarify why the \$500 per month charge does not apply to Worksheet 8. If necessary, update the surety estimate.