

Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

August 27, 2010

Mr. Jon Winters
Uranium One, USA
Suite 260
907 N. Poplar Street
Casper, WY 82601

**RE: Uranium One's Irigaray-Christensen Ranch Unit 7 Well Field Data Package,
Permit No. 478, TFN 4 2/362**

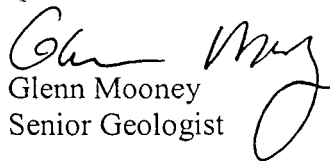
Dear Mr. Winters:

Enclosed is a review memo containing comments from Mark Taylor's review of the above application.

You will note that Mark has no further comments. A recommendation will be made to the Administrator that this Well Field Data Package be approved.

If you have any questions, please feel free to contact me or Mark Taylor.

Sincerely,


Glenn Mooney
Senior Geologist

\gm

Enclosure

Cc: Cheyenne File w/enc.
NRC-MD w/enc.

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MEMORANDUM

TO: File, TFN 4 2/362

THRU: Glenn Mooney, Application Coordinator

FROM: Mark Taylor, Groundwater Project Geologist

DATE: August 26, 2010

SUBJECT: Uranium One's Mine Unit 7 Wellfield Permit Revision for the Christensen Ranch ISL Unit, Permit No. 478

Uranium One's responses to LQD's Third Round review of comments were received under Mr. Jon Winter's letters of July 23, July 30, and August 5, 2010. The following are my Fourth Round review comments in response to Glenn Mooney's request of August 2, 2010:

Comments

- T6. Response is acceptable. As requested, Uranium One has provided a forward (i.e., Appendix II, Attachment A, pg. 1) to the geologic cross-sections which includes a narrative of the geologic interpretation of MU7 cross-sections. (MT)
- T11. Responses are acceptable. As requested, Uranium One has provided a revised Table 1 (Appendix II, Hydrologic Summary, pg. II-15) and a revised Map 4 (Unit 7 Pre-mining/Pre-pumping Potentiometric Surface In The Deep Sand October 11, 1997, Appendix II, Hydrologic Summary). (MT)
- T14. LQD's comment concerning Target Restoration Values was withdrawn. (MT)
- T19. Responses are acceptable. As requested Uranium One has provided Plate I (Drawdown – K Sand, End of Production) and Plate II (Drawdown – K Sand, End of Restoration) which illustrate projected impacts of mining and restoration. (MT)
- T20. Response is acceptable. As requested Uranium One has provided an assessment of groundwater impacts (Attachment F – Assessment of Hydraulic Impacts from Insitu Recovery at Mine Unit 7). (MT)

Summary

I now recommend approval of the hydrogeologic portions of this wellfield permit revision package.

mt/

cc: Cheyenne File

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Uranium One's, Permit No. 478
Unit 7 Wellfield Permit Revision for the Christensen Ranch ISL Unit, TFN 4 2/362
Mark Taylor's Fourth Round Review Memorandum

August 26, 2010

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