

December 27, 2007

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of )  
 )  
CROW BUTTE RESOURCES, INC. ) Docket No. 40-8943-MLA  
 )  
(In-Situ Leach Facility, Crawford, Nebraska) ) ASLBP No. 07-859-03-MLA-BD01

NRC STAFF RESPONSE TO DECEMBER 20, 2007 ORDER

In accordance with the December 20, 2007 Order confirming matters addressed in the December 18, 2007, telephone conference, the NRC staff ("Staff") submits this response to the Board's request that the staff advise of any sections of the NRC regulations that may be relevant to this proceeding, other than 10 C.F.R. Parts 40 and 51, and §51.45, and guidance documents not mentioned in the Staff's response filed on December 7, 2007.

The staff offers the list below as general regulatory authorities and guidance documents that may be applicable in the review of the proposed amendment. This list represents the authorities and guidance the staff may consult, but other authorities and guidance documents may prove relevant as the Staff conducts its review of the amendment application.

**NRC Regulations:** 10 C.F.R. Part 20, "Standards for Protection Against Radiation", 10 C.F.R. Part 40, Appendix A, Criteria 5A – F, 7, 7A, 8, and 8A.

**NUREGS** (ADAMS accession numbers provided where available)

NUREG-1569, *Standard Review Plan for In Situ Leach Uranium Extraction License Applications* (ML032250177)

NUREG-1748, *Environmental Review Guidance for Licensing Actions Associated with NMSS Programs* (ML032540811)

**NRC Regulatory Guides**

NOTE: all are available on NRC public website at <http://www.nrc.gov/reading-rm/doc-collections/reg-guides/> (Sections 3, 4, and 8) and on ADAMS (see NRC website for ADAMS accession numbers)

RG 3.46, *Standard Format and Content of License Applications, Including Environmental Reports, for In Situ Uranium Solution Mining*

RG 3.63, *Onsite Meteorological Measurement Program for Uranium Recovery Facilities - Data Acquisition and Reporting*

RG 4.14, *Radiological Effluent and Environmental Monitoring at Uranium Mills*

RG 4.15, *Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) -- Effluent Streams and the Environment* (Interim Rev. 2, March, 2007)

RG 8.7, *Instructions for Recording and Reporting Occupational Radiation Exposure Data* (Rev. 1)

RG 8.34, *Monitoring Criteria and Methods To Calculate Occupational Radiation Doses* (Rev. 1)

Respectfully submitted,

**/RA by Andrea' Z. Jones/**

Counsel for NRC Staff

Dated at Rockville, Maryland  
This 27<sup>th</sup> day of December, 2007.

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CERTIFICATE OF SERVICE

I hereby certify that copies of the "NRC STAFF'S RESPONSE TO DECEMBER 20, 2007 ORDER" in the above captioned proceeding have been served on the following persons by deposit in the United States Mail; through deposit in the Nuclear Regulatory Commission internal mail system as indicated by an asterisk (\*); and by electronic mail as indicated by a double asterisk (\*\*) on this 27<sup>th</sup> day of December, 2007:

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