

MEETING SUMMARY

DATE: June 30, 2004

TIME 9:30 A. M.

PLACE: NRC Headquarters, Rockville, MD

PURPOSE: Technical Meeting Regarding Ambrosia Lake Facility Corrective Action Plan - ACL

ATTENDEES: Refer to Attachment

BACKGROUND:

Rio Algom LLC (Rio Algom) submitted an Application for Alternate Concentration Limits (ACL) for its Ambrosia Lake uranium mill facility in February 2000 and June 2001. The U.S. Nuclear Regulatory Commission (NRC) is currently reviewing the application under regulations in 10 Code of Federal Regulations (CFR), Part 40, Appendix A. Rio Algom responded to action items identified during an August 12, 2003, meeting by submitting updates to the application in October 2003.

DISCUSSION:

The purpose of the meeting was to discuss technical issues associated with NRC's recent review of a Rio Algom submittal (October 2003) that responded to conclusions made by the NRC during its review of the ACL application and an August 12, 2003, meeting. Four technical issues were addressed and included: (1) modeling of the alluvial aquifer; (2) modeling of the bedrock aquifer; (3) as low as reasonably achievable (ALARA) concepts; and (4) long-term groundwater monitoring.

Both the Rio Algom and NRC staff concluded that the NRC concerns with the alluvial aquifer modeling can be addressed if Rio Algom can demonstrate that a reasonable amount of conservatism is included in the model to outweigh the uncertainties associated with Rio Algom's derived attenuation factor. NRC concluded that the ALARA demonstration need not be revisited based on recent changes to the application. Rio Algom agreed that groundwater compliance modeling schedules should be revised.

During discussion regarding the bedrock aquifer modeling, Rio Algom informed the NRC that the site boundary was changing because more land would be included in the long-term surveillance boundary. The current point of exposure location (POE) could be accurately represented in modeling approximately 2700 feet beyond the current POE location. This issue remained unresolved at the close of the meeting.

ACTIONS:

Rio Algom will submit for NRC approval:

1. An alluvial aquifer modeling summary addressing variables that were considered conservative and the relationships to the overall uncertainty of the model.
2. A revised compliance monitoring schedule to include more frequent sampling and additional analytes.

NRC will review these items as soon as possible and provide feedback to Rio Algom.

ATTACHMENT:

List of Attendees



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
HEADQUARTERS**

MEETING ATTENDANCE FORM

Subject: Technical Meeting Regarding Ambrosia Lake Facility Corrective Action Plan - ACL

Date: June 30, 2004 Location: Nuclear Regulatory Commission Headquarters, Rockville, MD

PLEASE PRINT ALL INFORMATION LEGIBLY

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