

August 13, 2009

MEMORANDUM TO: Thomas G. Hiltz, Chief
Advanced Fuel Cycle, Enrichment,
and Uranium Conversion Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

FROM: Breeda Reilly, Senior Project Manager **/RA/**
Advanced Fuel Cycle, Enrichment,
and Uranium Conversion Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

SUBJECT: JULY 1, 2009, TELEPHONE CALL SUMMARY: AREVA ENRICHMENT
SERVICES EAGLE ROCK LICENSE APPLICATION – HUMAN
FACTORS ENGINEERING

On July 1, 2009, U.S. Nuclear Regulatory Commission staff held a telephone conference call with staff from AREVA Enrichment Services (AREVA) to discuss information needs for the license review for the topic of human factors engineering. The telephone summary of this call is enclosed. The summary contains no proprietary or classified information.

Docket: 70-7015

Enclosure: As stated

cc: Jim Kay, AREVA Enrichment Services

CONTACT: Breeda Reilly, NMSS/FCSS
(301) 492-3110

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DATE	7/16/09	7/ 22 /09	8/ 13 /09

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Telephone Conference Call Summary

Human Factors Engineering

Date and Time: 1:00 PM (EDT); July 2, 2009

Call Participants: B. Reilly, U.S. Nuclear Regulatory Commission (NRC)
J. Bongarra, NRC
S. Fleger, NRC

S. Day, AREVA Enrichment Services (AREVA)
G. Van Noordennen, AREVA
D. Pepe, AREVA

During the conference call, staff discussed NRC's draft request for information concerning human factors engineering. The draft questions were sent to AREVA via email (ML092230037).

AREVA described the three types of items relied on for safety (IROFS) and noted that the administrative IROFS primarily involve an operator working from procedures and have limited human factors engineering issues. Many administrative IROFS require verification by a second operator.

AREVA's description of the control room in the safety analysis report (SAR) is general and based on information from Enrichment Technology Corporation as to how the control rooms in their European plants are arranged. AREVA noted that, in the SAR, they have committed to NUREG-0700 and NUREG-0711. They have not begun the detailed design of the control room. AREVA noted that the interfaces planned for the control room typically are for production-related controls, and not safety-related controls. Most safety-related controls are locally operated, for example, at the feed station. AREVA also discussed the general function of the control room and of the local control stations.

AREVA also noted that the IROFS boundary packages represent a gathering of all the design information for a given IROFS and will be made available to NRC at the site, once completed. AREVA noted that the procedure for preparing the boundary packages is an appendix (Appendix A) to the integrated safety analysis summary.

AREVA noted that the radiation monitoring room is used for decontamination of personnel and local monitoring, but has no instrumentation control. It should not be described as a control room in Section 1.1.2 and will be corrected in a future revision to the SAR.

AREVA agreed to make additional documentation related to the draft RAIs concerning human factors available for in-office review in their Bethesda office and to participate in an additional conference call with NRC staff, if needed.

Enclosure