

August 9, 2004

MEMORANDUM TO: Joseph Giitter, Chief
Special Projects Branch
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

THRU: Stewart Magruder, Chief /RA/
Mixed Oxide Facility Licensing Section
Special Projects Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

FROM: William Troskoski, Sr. Chemical Engineer /RA/
Mixed Oxide Facility Licensing Section
Special Projects Branch
Division of Fuel Cycle Safety
and Safeguards, NMSS

SUBJECT: July 14, 2004, MEETING SUMMARY: MEETING WITH DUKE
COGEMA STONE & WEBSTER TO DISCUSS THE REVISED
CONSTRUCTION AUTHORIZATION REQUEST FOR THE MIXED
OXIDE FUEL FABRICATION FACILITY

On July 14, 2004, U.S. Nuclear Regulatory Commission (NRC) staff met with Duke Cogema Stone & Webster (DCS), the mixed oxide fuel fabrication facility (MFFF) applicant, to discuss the Revised Construction Authorization Request (RCAR) that was submitted on June 10, 2004. The meeting agenda, summary, handouts, attendance list, and clarifying information provided by DCS are attached (Attachments 1, 2, 3, and 4 respectively).

Docket: 70-3098

Attachments: 1. Meeting Agenda
2. Meeting Summary
3. Meeting Handouts
4. Attendance List

cc:

P. Hastings, DCS	L. Zeller, BREDL
J. Johnson, DOE	G. Carroll, GANE
H. Porter, SCDHEC	D. Curran, GANE
J. Conway, DNFSB	D. Silverman, DCS

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OFC	MOFLS		GCFLS		GCFLS		MOFLS	
NAME	WTroskoski		DBrown		LMarshall		SMagruder	
DATE	08/03/04		08/05/04		08/9/04		08/09/04	

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**MEETING AGENDA
MOX FUEL FABRICATION FACILITY
July 14, 2004**

July 14, 2004

1:00 PM	Discussion of changes to the Revised Construction Authorization Request
3:00 PM	Adjourn

MEETING SUMMARY
MOX FUEL FABRICATION FACILITY
July 14, 2004

Purpose:

The purpose of the meeting was for Duke Cogema Stone and Webster (DCS) to identify the changes made to the Revised Construction Authorization Request (RCAR) that resulted from the Department of Energy's (DOE's) decision to relocate the controlled area boundary (CAB) from the Savannah River Site (SRS) boundary to the MOX Fuel Fabrication Facility (MFFF) boundary.

Meeting Summary:

DCS described the changes that it made to the RCAR dated June 10, 2004. The major changes related to the CAB change included:

1. CAB relocation from the SRS boundary (with a minimum distance of 8 km) to the MFFF site boundary (with a minimum distance of about 160 m from the MFFF stack).
2. Changed the public receptor to an "individual outside controlled area" (IOC).
3. Changed the analysis methodologies by revising the ARCON96 methodology and deleting the MACCS2 and ALOHA methodologies.

As a result of the above changes, the process cell exhaust system (POE) is now designated as a PSSC in order to meet the 10 CFR 70.61 performance requirements. Other major changes made to the RCAR that are not related to the CAB included:

1. Replacement of the Uranium Oxide Dissolution Unit with the Uranyl Nitrate System.
2. Addition of a Waste Organic Solvent Unit.
3. Clarification of crane/hoist equipment requirements.
4. Corrections to codes and standards.
5. Geotechnical report related changes.

The NRC staff noted that the RCAR would be reviewed by the appropriate technical reviewers to determine whether the proposed changes are acceptable or whether any request for additional information (RAI) was needed to clarify the information in the submittal.

**DUKE COGEMA STONE & WEBSTER SLIDES
MIXED OXIDE FUEL FABRICATION FACILITY
CONSTRUCTION AUTHORIZATION REQUEST (CAR)
REVISION SUMMARY
July 14, 2004**

MEETING ATTENDEES

NAME

AFFILIATION

William Troskoski	Nuclear Regulatory Commission (NRC)
Rex Wescott	NRC
Joseph Giitter	NRC
David Brown	NRC
Christopher Tripp	NRC
Hironori Peterson	NRC
Michael Lamastra	NRC
Joel Klein	NRC
Herman Graves	NRC
Garrett Smith	NRC
David Ayres	NRC
Wilkins Smith	NRC
Steward Magruder	NRC
Darrell Gardner	Duke Cogema Stone & Webster (DCS)
Brenda Lucas	DCS
Thomas Clements	Green Peace International
Samuel Glenn	NNSA/Savannah River
Donald Williams	Oak Ridge National Laboratory
Faris Badwan	Los Alamos National Laboratory
Vijay Nilekani	International Access Corp.
Herb Feinroth	Gamma Engineering
Jim Clark	J.R. Clark Associates
Daniel Horner	McGraw-Hill