

February 4, 2010

MEMORANDUM TO: Michael D. Tschiltz, Deputy Director
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

THRU: Brian W. Smith, Chief **/RA/**
Uranium Enrichment Branch
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
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FROM: Timothy C. Johnson, Senior Project Manager **/RA/**
Uranium Enrichment Branch
Fuel Facility Licensing Directorate
Division of Fuel Cycle Safety
and Safeguards
Office of Nuclear Material Safety
and Safeguards

SUBJECT: JANUARY 27, 2010, TELEPHONE SUMMARY: GENERAL
ELECTRIC-HITACHI REQUESTS FOR ADDITIONAL
INFORMATION RESPONSES

On January 27, 2010, the U.S. Nuclear Regulatory Commission staff held a telephone conference call with staff from General Electric-Hitachi (GEH) to discuss the proposed responses to Requests for Additional Information (RAIs) in the Chemical Safety, Human Factors, and Integrated Safety Analysis areas applicable to the GEH application for a laser-based uranium enrichment facility. The RAIs were transmitted to GEH on December 16, 2009.

I am attaching the telephone summary for your use. No proprietary or classified information is discussed.

CONTACT: Timothy Johnson, NMSS/FCSS
301-492-3121

Docket No.: 70-7016

Enclosure: GEH Telephone Summary

cc: William Szymanski/DOE
Patricia Campbell/GEH
Robert Brown/GEH
Tammy Orr/GEH
Mike Giles/CFC
Tom Clements/FOTE
David Springer/CFRW
Stephen Rynas/NCDENR
Jennifer Braswell/New Hanover County
Christopher O'Keefe/New Hanover County
Lafayette Atkinson/NCOSH
Mathew Allen/GEH
Bruce Shell/New Hanover County
Marty Lawing/Brunswick County
George Brown/Pender County
Bill Saffo/Wilmington
Malissa Talbert/Wilmington
Wanda Lagoe/NCOSH
Cameron Weaver/NCDENR
Emily Hughes/USACE
Lee Cox/NCDENR
David Weaver/New Hanover County
Julie Olivier/GEH
Jerald Head/GEH

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cc: William Szymanski/DOE	Bruce Shell/New Hanover County
Patricia Campbell/GEH	Marty Lawing/Brunswick County
Robert Brown/GEH	George Brown/Pender County
Tammy Orr/GEH	Bill Saffo/Wilmington
Mike Giles/CFC	Malissa Talbert/Wilmington
Tom Clements/FOTE	Wanda Lagoe/NCOSH
David Springer/CFRW	Cameron Weaver/NCDENR
Stephen Rynas/NCDENR	Emily Hughes/USACE
Jennifer Braswell/New Hanover County	Lee Cox/NCDENR
Christopher O'Keefe/New Hanover County	David Weaver/New Hanover County
Lafayette Atkinson/NCOSH	Julie Olivier/GEH
Matthew Allen/GEH	Jerald Head/GEH

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DATE	02/02/10	02/02/10	02/02/10	02/03/10	02/04/10

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Telephone Conference Call Summary

General Electric-Hitachi Uranium Enrichment Facility Proposed Chemical Safety, Human Factors, and Integrated Safety Analysis Responses to Requests for Additional Information

DATE AND TIME: January 26, 2010; 10:00 AM

CALL PARTICIPANTS:

M. Norato/NRC	M. Venters/GEH
J. Higgins/NRC	S. Painter/GEH
T. Johnson/NRC	J. Olivier/GEH
N. Baker/NRC	D. Norris/GEH

On January 27, 2010, a conference call between the U.S. Nuclear Regulatory Commission (NRC) and General Electric-Hitachi (GEH) staff was held to discuss proposed responses to the Requests for Additional Information (RAIs) in the Chemical Safety, Human Factors, and Integrated Safety Analysis (ISA) areas applicable to GEH's license application for a laser-based uranium enrichment facility. The RAI's applicable to this conference call had been transmitted to GEH on December 16, 2009.

DISCUSSION:

Chemical Safety

NRC and GEH staff discussed the applicant's proposed responses to questions concerning the structural RAI's. The chemical safety RAI's addressed a uranium hexafluoride plug removal procedure and management measures to be implemented for personnel protective equipment and emergency response. NRC staff indicated that it appears the proposed responses will provide the information needed.

Human Factors

NRC and GEH staff discussed the applicant's proposed responses to question concerning the human factors engineering RAI's. GEH summarized their response saying that items relied on for safety (IROFS) are mostly all automatic and that most all of the IROFS operator actions would take place at local control stations (LCSs). The LCS's are not continually staffed. There is only one main control room (MCR) with minimal controls and indications. The MCR is occupied full time. NRC staff questioned whether there were displays and alarms in the MCR that would inform the MCR operators of the need for actions at LCS's and of the activities taken at LCS's either automatically or by operators. GEH was requested to add this information to the RAI response.

NRC staff indicated that it appears the proposed responses will provide the information needed.

Integrated Safety Analysis

NRC and GEH staff discussed the applicant's proposed responses to five questions concerning the ISA RAI's. These RAI's addressed the use of "safeguards features," the use of "enabling

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conditions," the use of "conditional events," justification of assumed failure probabilities, treatment of initiating events. NRC staff indicated that it appears the proposed responses will provide the information needed.

ACTION ITEMS: None