

February 1, 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
and Safeguards

FROM: Timothy C. Johnson, 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 12, 2010, TELEPHONE SUMMARY: GENERAL
ELECTRIC-HITACHI REQUESTS FOR ADDITIONAL
INFORMATION RESPONSES

On January 12, 2010, the U.S. Nuclear Regulatory Commission staff held a telephone conference call with staff from General Electric-Hitachi (GEH) to discuss proposed responses to Requests for Additional Information in the Emergency Planning, Physical Security Plan, Transportation Security Plan, and the Material Control and Accounting areas applicable to the GEH application for a laser-based uranium enrichment facility.

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
Albert Kennedy/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

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
 Albert Kennedy/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

DISTRIBUTION:

FCSS r/f
 DDorman/FCSS
 MLesser/Reg II
 RTrojanowski/Reg II
 SWard/MCAB

SPB r/f
 DMclntyre/OPA
 CTaylor/Reg II
 CSafford/OGC
 JMarshall/MCAB

RidsNMSSFCSS
 DSeymour/Reg II
 RHannah/Reg II
 RVirgilio/FSME
 Hearing File

MWeber/NMSS
 JWeil/OCA
 JLedford/Reg II
 TGrice/MCAB
 LES website – No

ML100150160

OFFICE	UEB	UEB	NSIR	NSIR	MCAB	UEB
NAME	TCJohnson	THristopoulos	MNorris	BWray	TPham	BSmith
DATE	01/19/10	01/20/10	01/27/10	01/27/10	02/01/10	02/01/10

OFFICIAL RECORD COPY

Telephone Conference Call Summary

General Electric-Hitachi Uranium Enrichment Facility Requests for Additional Information Proposed Emergency Plan, Physical Security Plan, Transportation Security Plan, and Fundamental Nuclear Material Control Plan Responses

DATE AND TIME: January 12, 2010; 11:00 AM and 3:30 PM

CALL PARTICIPANTS:

M. Norris/NRC	M. Venters/GEH
T. Pham/NRC	A. Kennedy/GEH
S. Ward/NRC	B. Wray/NRC
T. Johnson/NRC	S. Painter/GEH
T. Grice/NRC	J. Olivier/GEH

On January 12, 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 Emergency Planning, Physical Security Plan (PSP), Transportation Security Plan (TSP), and the Material Control and Accounting (MC&A) areas applicable to GEH's license application for a laser-based uranium enrichment facility. The RAIs applicable to this conference call had been transmitted to GEH on December 4, 2009.

DISCUSSION:

Emergency Plan

GEH staff discussed proposed responses to eight RAI's. These discussions included revisions to the Emergency Plan (EP) addressing equipment that would be available in the Emergency Control Centers (ECC) located at the Global Nuclear Fuels-Americas (GNF-A) facility and the GEH facility. GEH staff indicated that the GEH plant would have a separate ECC in addition to the GNF-A ECC. GEH staff also discussed responsibilities for notifications to the local and state agencies; staff and manager qualifications and training; remote monitoring capabilities for the Criticality Accident Alarm System, fire and sprinkler system alarms; coordination between the GNF-A and GEH facilities during emergencies that affect both facilities, such as weather events; and scheduling of biennial drills and exercises for the GNF-A and GEH facilities.

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

Physical Security Plan

GEH staff discussed the revisions to be made in the PSP. The changes include removing references to NEI-03-12; adding a description of how the access controls and control points function; addressing access procedures to the Owner Controlled Area; revising to include all of the performance objectives set out in the Title 10 of the *Code of Federal Regulations* 73.67(a); identifying and describing the construction characteristics of any Controlled Access Areas (CAAs) that will exist within the CAA perimeter fence; clarifying detection sensor logic; and removing Section 19 from the PSP.

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

Transportation Security Plan

GEH staff discussed the revisions to be made in the TSP. The changes include adding discussions of the methods to be used for reporting shipments; adding discussions for 10-day notifications and advance export notifications; and the use of Form 741.

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

Material Control and Accounting

GEH staff provided the responses and proposed revised text changes for most of the RAI questions. GEH staff indicated that it has not developed the necessary details of a detection program for precluding and detecting unauthorized production of enriched uranium in Chapter 9 of the submitted Fundamental Nuclear Material Control Plan Responses (FNMCP). The applicant stated that it plans to provide the detailed description of this detection program at a later time. Therefore, the detection program remains an important element of the overall MC&A program for a uranium enrichment facility, the staff will request the applicant to have a planned completion schedule for the subject detection program through either a compliance item in the facility's FNMCP or a specific safeguards license condition to be issued in the future license.

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

ACTION ITEMS: None