

November 27, 2017

Ms. Pat Jenny, Security Manager
General Electric-Hitachi
Global Laser Enrichment, LLC
P.O. Box 780
3901 Castle Hayne Road
Wilmington, NC 28402

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION APPROVAL OF GLOBAL LASER ENRICHMENT TRUSTED DOWNLOAD PROCESS AND PROGRAM CYBER SECURITY PLAN, REVISION 5 (COST ACTIVITY CODE 000225/07007016/C-2017-CYB-0000 – FB-FF-SECURITY REVIEW-384186-YES)

Dear Ms. Jenny:

On May 9, 2017 Global Laser Enrichment submitted for U.S. Nuclear Regulatory Commission (NRC) review a request for authorization to use the Trusted Download process as a tool to assist in removing certain information from classified documents (Agencywide Documents Access and Management System (ADAMS) Accession Number ML17173A140). General Electric-Hitachi Global Laser Enrichment, LLC (GLE) previously submitted a draft of the Trusted Download process for NRC consideration on June 2, 2014, (ADAMS Accession Number ML17240A339) which was subsequently superseded by "Trusted Download Process Plan for GE Hitachi Global Laser Enrichment," (GLEP-00062-R) dated August 25, 2017, (ADAMS Accession Number ML17249A193).

The NRC staff, in coordination with subject matter experts from the U.S. Department of Energy's Nuclear Energy Oak Ridge Site Office (DOE, NE-ORSO), conducted the initial review of the submittal and provided a request for additional information dated August 18, 2017, (ADAMS Accession Number ML17249A193). DOE requested GLE provide the final approved version of the Trusted Download process, GLEP-00062-R, and update to the "Program Cyber Security Plan - Engineering and Industrial Control System Environments," GLEP-00015-R, to reference the final Trusted Download document.

GLE provided updated documents by letter dated August 24, 2017, (ADAMS Accession Number ML17248A410) to address these comments. They also included a request to use a Type I Encryption for certain communications. The letter included the following documents:

- GLEP-00015-R, Revision 5, Program Cyber Security Plan - Engineering and Industrial Control System Environments (PCSP); (Classified and not in ADAMS)
- GLEP-00023-R, Revision 8, Classified Distributive Information Network (CDIN); (Classified and not in ADAMS) and
- GLEP-00053-R, Revision 3, PCSP Annual Continuous Monitoring Report - GLE Engineering and Industrial Controls Environments, (NC ST&E).

The final Trusted Download document, GLEP-00062-R, is referenced in the updated PCSP, GLEP-00015-R, Revision 5. The revised CDIN and NC ST&E were submitted as updates to the NRC and are independent of the Trusted Download review.

As Authorizing Official (AO) for GLE's classified computer networks for the development of laser enrichment technology, the DOE, NE-ORSO has reviewed the Trusted Download process, the PCSP – Revision 5; and CDIN – Revision 8. The DOE, NE-ORSO letter (ADAMS Accession Number ML17325A899) states:

Based upon this review, GLE is authorized to operate the classified cyber network identified in GLEP-00015-R, Program Cyber Security Plan - Engineering and Industrial Control System Environments for the GE-Hitachi Global Laser Enrichment Wilmington, NC Facilities PCSP, which includes the Trusted Download process. However, the request for use of Type I Encryption is not authorized at this time. This item remains under review and will be addressed at a later date. Also, DOE NE-ORSO as AO concurs with GLEP-00053-R, Revision 3, PCSP Annual Continuous Monitoring Report- GLE Engineering and Industrial Controls Environments for the GE Hitachi Global Laser Enrichment LLC Wilmington, NC ST&E.

In the enclosed letter, GLE also submitted GLEP-00023-R, Revision 8, Classified Distributive Information Network for the GE Hitachi Global Laser Enrichment LLC Wilmington, NC CDIN for review. DOE NE-ORSO is continuing to review this document and will address it upon completion of its review.

The NRC staff has reviewed GLE's submittals as discussed above and DOE NE-ORSO's submittals. Based on these reviews, the NRC staff approves the trusted download process on both standalone systems and the classified network as documented in GLEP-00062-R and the updated PCSP – Revision 5 (GLEP-00015-R). The NRC staff also finds the NC ST&E - Revision 3 (GLEP-00053-R) acceptable.

The NRC and the DOE NE-ORSO are continuing the review of the Type 1 Encryption and CDIN - Revision 8. The final determination on these two items will be completed separately.

This action closes NRC work under Cost Activity Code:
"000225/07007016/C-2017-CYB-0000 - FB-FF-SECURITY REVIEW-384186-YES".

P. Jenny

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In accordance with Title 10 of the *Code of Federal Regulations*, Part 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC Web site at: <http://www.nrc.gov/reading-rm/adams.html>.

If you have any questions concerning this letter, please contact Mr. Matthew Bartlett at 301-415-7154, or via e-mail at Matthew.Bartlett@nrc.gov.

Sincerely,

/RA/

Jacob I. Zimmerman, Chief
Enrichment and Conversion Branch
Division of Fuel Cycle Safety, Safeguards,
and Environmental Review
Office of Nuclear Material Safety
and Safeguards

Docket No. 07007016
License No. SNM-2019

cc: Mark F. Monks, GLE
Jim Hutson, DOE NE-ORSO

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LASER ENRICHMENT TRUSTED DOWNLOAD PROCESS AND PROGRAM
CYBER SECURITY PLAN, REVISION 5 (COST ACTIVITY CODE 000225/
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ADAMS Accession No.: ML17325B082

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NAME	MBartlett	AWalker-Smith	DParsons	JZimmerman
DATE	11/21/2017	11/21/2017	11/21/2017	11/27/2017

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