



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

July 12, 2018

Mr. Jerald G. Head
Senior Vice President, Regulatory Affairs
GE Hitachi Nuclear Energy
3901 Castle Hayne Road MC A-18
Wilmington, NC 28401

SUBJECT: ADVANCED BOILING-WATER REACTOR DESIGN CERTIFICATION
RENEWAL APPLICATION — SAFETY EVALUATION WITH NO OPEN ITEMS
FOR SECTION 9.1.4, "LIGHT LOAD HANDLING SYSTEM"

Dear Mr. Head:

The U.S. Nuclear Regulatory Commission (NRC) staff is preparing a safety evaluation (SE) with no open items to supplement the final safety evaluation report associated with the staff's review of the advanced boiling-water reactor (ABWR) design that was documented in NUREG-1503, "Final Safety Evaluation Report Related to the Certification of the Advanced Boiling Water Reactor Design," and NUREG-1503, Supplement 1. This SE will document the staff's review of your application dated December 7, 2010, to renew the ABWR design certification.

The staff's SE for Section 9.1.4, "Light Load Handling System," is being provided to the Advisory Committee on Reactor Safeguards Subcommittee to support a future meeting of the ACRS Subcommittee.

The enclosed SE is being provided only to GEH for review of proprietary information pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 "Public Inspections, Exemptions, Requests for Withholding." The staff concludes that the enclosed SE does not contain any information for which exemption from public disclosure has been sought or approved or any factual errors. However, the NRC will withhold the enclosed SE from public disclosure for 10 business days from the date of this letter to allow you the opportunity to verify the staff's conclusion that the SE contains no such exempt information or any factual errors. If within that 10 day period, you do not request that all or portions of the SE be withheld from public disclosure, the enclosure will be made available for public inspection through the NRC Public Document Room and the Publicly Available Records component of NRC's Agencywide Documents Access and Management System and placed on the NRC's public web page for this application.

**Document transmitted herewith
contains sensitive unclassified
information. When separated from the
enclosure, this document is
"DECONTROLLED."**

J. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-4093 or via e-mail address at Adrian.Muniz@nrc.gov.

Sincerely,

/RA/

Adrian Muñoz, Lead Project Manager
Licensing Branch 3
Division of Licensing, Siting, and
Environmental Analysis
Office of New Reactors

Docket No. 52-045

Enclosure:
As stated

cc: w/o encl. See next page

SUBJECT: ADVANCED BOILING-WATER REACTOR DESIGN CERTIFICATION
RENEWAL APPLICATION — SAFETY EVALUATION WITH NO OPEN ITEMS
FOR SECTION 9.1.4, "LIGHT LOAD HANDLING SYSTEM" DATED
JULY 12, 2018

DISTRIBUTION:

PUBLIC
Reading File
RidsNroOd
RidsNroDnrlLb3
SGreen, NRO
RidsNroDnrl
RidsNroDsea
Cli, NRO
CAshley, NRO
JShea, NRO
AMuñiz, NRO
RidsOgcMailCenter Resource
RidsAcrsAcnwMailCenter

ADAMS Accession No.: **ML18096A118 - Package**
 ML18183A432 - Letter ***via e-mail NRO-002**

OFFICE	NRO/DNRL:PM	NRO/DNRL:LA	NRO/DNRL:PM
NAME	JShea	SGreen*	AMuñiz
DATE	7/2/2018	7/2/2018	7/12/2018

OFFICIAL RECORD COPY

Email

APH@NEI.org (Adrian Heymer)
awc@nei.org (Anne W. Cottingham)
brianr.johnson@ge.com (R. R. Johnson)
Christopher.Powell@ge.com (Christopher Powell)
cschlaseman@mpr.com (Caroline Schlaseman)
CumminWE@Westinghouse.com (Edward W. Cummins)
cwaltman@roe.com (C. Waltman)
david.lewis@pillsburylaw.com (David Lewis)
david.robillard@pseg.com (David Robillard)
F.Shahrokhi@areva.com (Farshid Shahrokhi)
George_Stramback@Charter.net (George Stramback)
jerald.head@ge.com (Jerald G. Head)
Joseph.Ondish@ge.com (Joseph Ondish)
Joseph_Hegner@dom.com (Joseph Hegner)
Kenichi.Sato.sz@hitachi.com (Kenichi Sato)
KSutton@morganlewis.com (Kathryn M. Sutton)
kwaugh@impact-net.org (Kenneth O. Waugh)
Ichandler@morganlewis.com (Lawrence J. Chandler)
Linda.Dolan@ge.com (Linda Dolan)
lon.burnam@house.state.tx.us (Lon Burnam)
Maryann.Herzog@ge.com (Maryann Herzog)
media@nei.org (Scott Peterson)
MSF@nei.org (Marvin Fertel)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
RJB@NEI.org (Russell Bell)
rtrench@mpr.com (Randy Trench)
Ryan.hough@ge.com (Ryan Hough)
sabinski@suddenlink.net (Steve A. Bennett)
tom.miller@hq.doe.gov (Tom Miller)
trsmith@winston.com (Tyson Smith)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
wayne.marquino@gmail.com (Wayne Marquino)