



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

May 31, 2019

Ms. Michelle P. Catts
Senior Vice President, Regulatory Affairs
GE Hitachi Nuclear Energy
3901 Castle Hayne Road MC A-18
Wilmington, NC 28401

SUBJECT: GE-HITACHI NUCLEAR ENERGY – UNITED STATES ADVANCED
BOILING-WATER REACTOR DESIGN CERTIFICATION RENEWAL REVIEW
SCHEDULE

Dear Ms. Catts:

In a letter dated December 7, 2010, (Agencywide Documents Access and Management System (ADAMS) Accession No. ML110040176) GE-Hitachi Nuclear Energy (GEH) submitted a Design Certification (DC) Renewal application for the U.S. Advanced Boiling-Water Reactor (ABWR) pursuant to the requirements of Subpart B, "Standard Design Certifications," of Title 10 of the *Code of Federal Regulations* Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants." On February 19, 2016 (ADAMS Accession No. ML16081A268), you submitted a revision to the application to incorporate proposed design changes identified following responses to the U.S. Nuclear Regulatory Commission (NRC) staff's requests for additional information (RAIs) and public meetings with the staff.

The NRC staff issued a delay in its review schedule in a letter dated August 3, 2017 (ADAMS Accession No. ML17199G648), which was a follow up to a schedule letter dated August 30, 2016 (ADAMS Accession No. ML16209A316). The NRC review schedule was delayed based on resolving certain open items (OIs) that had remained unresolved as of January 2017. The NRC was not able to meet the schedule outlined in the August 30, 2016, letter projecting the completion of the NRC staff review and its final safety evaluation report of March 2018.

GEH in a letter dated January 21, 2019 (ADAMS Accession No. ML19021A015), provided the NRC staff with the final OI RAI response and the associated proposed changes to the ABWR Design Control Document, Revision 6 for the Peak Cladding Temperature issue. Therefore, the NRC staff projects the completion of the ABWR DC Renewal Advanced Final Safety Evaluation Report by the end of June 2019. The Advisory Committee on Reactor Safeguards (ACRS) Subcommittee meeting has been scheduled for August 20, 2019 with an ACRS Full-Committee meeting scheduled for some time in October 2019.

In addition, in order for the NRC to fulfill its obligations under the National Environmental Policy Act, the agency will prepare an environmental assessment (EA) for the renewal application. The EA will be an enclosure to the rulemaking package and will align with the rulemaking preparation schedule.

M. Catts

-2-

If you have any questions or comments concerning this matter, please contact the lead project manager, James Shea at 301-415-1388 or via e-mail address at James.Shea@nrc.gov.

Sincerely,

/RA/

Robert M. Taylor, Director
Division of Licensing, Siting, and
Environmental Analysis
Office of New Reactors

Docket No.: 52-045

Enclosure:
As stated

cc w/encl.: See next page

M. Catts

-3-

SUBJECT: GE HITACHI NUCLEAR ENERGY – UNITED STATES ADVANCED
BOILING-WATER REACTOR DESIGN CERTIFICATION RENEWAL REVIEW
SCHEDULE

DATED: May 31, 2019

DISTRIBUTION:

PUBLIC

Reading File

JRankin, NRO

JShea, NRO

RidsOgcMailCenter

RidsAcrsAcnwMailCenter

RidsNroDlse

RidsNroDsra

RidsNroDei

RidsNroDesr

ADAMS Accession No: ML19142A186

NRO-002

OFFICE	PM:DLSE	LA:DLSE	BC:DLSE (Acting)	D:DLSE
NAME	JShea	SGreen	JRankin	RTaylor (ABradford for)
DATE	5/22/19	5/23/2019	5/23/2019	5/31/2019

OFFICIAL RECORD COPY

**GE Hitachi Nuclear Energy – US ABWR Design Certification Renewal Application
Review Milestones**

Key Safety Review Milestones	Current Completion Date Target - T
Phase 1 – Requests for Additional Information (RAIs) and Supplemental RAIs	01/2019 – C
Phase 2 – Supplemental Safety Evaluation Report (SER) without Open Items Advanced Final Safety Evaluation Report (AFSER)	06/2019 – T
Phase 3 – Advisory Committee on Reactor Safeguards Review of AFSER	10/2019 – T
Phase 4 – Final Supplemental Advanced Boiling-Water Reactor Renewal SER	03/2020 – T

Enclosure

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)
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)
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)