

March 18, 2016

Mr. Mark D. Mitchell
Vice President – Generation
Construction Virginia Electric and
Power Company 5000 Dominion
Boulevard
Glen Allen, VA 23060-6711

SUBJECT: U.S. NUCLEAR REGULATORY COMMISSION PLAN FOR NORTH ANNA
UNIT 3, COMBINED LICENSE APPLICATION SITE-SPECIFIC SEISMIC
FUEL AUDIT

Dear Mr. Mitchell:

This letter documents the U.S. Nuclear Regulatory Commission (NRC) staff's plan to perform a regulatory audit of the site-specific seismic evaluation of the General Electric-Hitachi (GEH) GE14E fuel planned for North Anna 3 that is described in final safety analysis report (FSAR) Chapter 4, "Reactor" as part of the Dominion Virginia Power (Dominion) combined license application (COLA) submitted by letter dated November 26, 2007, (Agencywide Documents Access and Management System (ADAMS) Accession Number ML073320913) as revised on April 25, 2013 (ADAMS Accession No. ML13120A016).

In a subsequent letter dated October 22, 2014 (ADAMS Accession No. ML14297A199), Dominion outlined a revised approach to performing certain aspects of the seismic analyses for the North Anna 3 COLA and used the most current NRC approved ground motion model. This seismic closure plan identified requests for additional information (RAI), including RAI 04.02.01 related to the seismic response of fuel for North Anna 3. In the applicants response to RAI 04.02-1 dated December 16, 2015 (ADAMS Accession No. ML15364A384), the applicant stated that for the site-specific analyses, fuel assemblies and control rods are designed to withstand the site specific design bases seismic loading and are bounded by the standard design report's acceptance limits for the GEI4E fuel.

The audit planned for two days, starting on March 23, 2016, at the GEH Offices in Wilmington, North Carolina, will provide the staff with a review of the North Anna 3 site specific fuel seismic analysis that followed the methodology used for certification of the Economic Simplified Boiling-Water Reactor design control document. In addition the staff has requested access to certain technical reports in the Dominion reading room to review additional documents used in the applicants' seismic fuel evaluation.

The enclosed audit plan outlines the process that will allow the staff to evaluate the Dominion seismic fuel evaluation methodology, calculations and results that will be provided as part of the North Anna FSAR Chapter 4.

M. Mitchell

-2-

If you have any questions, please contact me at (301) 415-1388 or by e-mail at James.Shea@nrc.gov.

Sincerely,

/RA/

James J. Shea, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-017

Enclosure: As stated

cc w/encl.: See next page

M. Mitchell

-2-

If you have any questions, please contact me at (301) 415-1388 or by e-mail at James.Shea@nrc.gov.

Sincerely,

/RA/

James J. Shea, Project Manager
Licensing Branch 3
Division of New Reactor Licensing
Office of New Reactors

Docket No.: 52-017

Enclosure: As stated

cc w/encl.: See next page

DISTRIBUTION:

PUBLIC

JShea, NRO

RidsOgcMailCenter

SGreen, NRO

JGilmer, NRO

RidsOpaMailCenter

RKaras, NRO

RidsAcrcAcnwMailCenter

RJenkins, NRO

RidsNroDe

RidsNroDnrlEpb

RWeisman, OGC

ADAMS Accession No: ML16077A204

NRO-002

OFFICE	DNRL/LB3:PM*	DNRL/LB3:LA	NRO/SEB*:	DNRL/LB3:BC*	NRO/SEB:BC*
NAME	JShea	SGreen	JGilmer	RJenkins	RKaras
DATE	03/17/16	03/17/2016	3/17/2016	3/18/2016	3/17/2016

OFFICIAL RECORD COPY

COL - North Anna Mailing List
cc:

(Revised 03/15/2016)

Friends of Lake Anna
c/o Harry Ruth
230 Heather Drive
Bumpass, VA 23024

Ms. Karen Mayne
Supervisor
Virginia Field Office
U.S. Fish and Wildlife Service
6669 Short Lane
Gloucester, VA 23061

Attorney General
Office of the Attorney General
Commonwealth of Virginia
900 East Main Street
Richmond, VA 23219

Ms. Karen A. McMahon
15104 Cedar Lane
Orange, VA 22960-9108

C. Douglas Barnes
Spotsylvania County Administrator
P.O. Box 99
Spotsylvania, VA 22553-0099

Mark D. Mitchell
Vice President - Generation Construction
Virginia Electric and Power Company
5000 Dominion Boulevard
Glen Allen, VA 23060

Mr. Jim Debiec
Director - Power Production
Old Dominion Electric Cooperation
4201 Dominion Blvd.
Glen Allen, VA 23060

Mr. Dale G. Mullen
County Administrator
Louisa County
P.O. Box 160
Louisa, VA 23093

Mr. R. Christian Eudailey
Director
Department of Fire, Rescue, and
Emergency Services
County of Spotsylvania
P.O. Box 818
Spotsylvania, VA 22553

Mr. William C. Rolfe
County Administrator-Orange County
P.O. Box 111
Orange, VA 22960

Dr. Marc Holma
Manager
Office of Review and Compliance
Virginia Department of Historic Resources
2801 Kensington Avenue
Richmond, VA 23221

Mr. Edwin Keller
Mayor
Town of Mineral
P.O. Box 316
102 East First Street
Mineral, VA 23117

COL - North Anna Mailing List

acpasswater@aol.com (Al Passwater)
APH@NEI.org (Adrian Heymer)
Armando.deLeon@scc.virginia.gov (Armando deLeon)
Art.Warren@vdem.virginia.gov (Art Warren)
awc@nei.org (Anne W. Cottingham)
barbara.moorecruggs@vdem.virginia.gov (Barbara Moore-Scruggs)
barry.bryant@dom.com (Bryant Barry)
brett.burdick@vdem.virginia.gov (Brett Burdick)
cathy.l.matthews (Cathy L. Matthews)
chris.funderburk@dom.com (Chris Funderburk)
david.christian@dom.com (David Christian)
David_Sommers@dom.com (David Sommers)
dbarnes@spotsylvania.va.us (C. Douglas Barnes)
ed.burns@earthlink.net (Ed Burns)
epicgardens@gmail.com (Patricia Stansbury)
George_Stramback@Charter.net (George Stramback)
glen.besa@sierraclub.org (Glen Besa)
GovePA@BV.com (Patrick Gove)
jerald.head@ge.com (Jerald G. Head)
Jim.Kinsey@inl.gov (James Kinsey)
Joseph_Hegner@dom.com (Joseph Hegner)
karlg@att.net (Karl Gross)
kenneth.remmers.ctr@navy.mil (Kenneth Remmers)
lchandler@morganlewis.com (Lawrence J. Chandler)
ldwilkinson@gmail.com (Linda Wilkinson)
lillian.cuoco@dom.com (Lillian Cuoco)
marilyn.kray@exeloncorp.com
mark.a.giles@dom.com (Mark Giles)
mark.sartain@dom.com (Mark Sartain)
mbrowder@oag.state.va.us (Meade Browder)
mpmurphy@deq.virginia.gov (Michael Murphy)
MSF@nei.org (Marvin Fertel)
patriciaL.campbell@ge.com (Patricia L. Campbell)
regina.borsh@dom.com (Regina Borsh)
Richard.Reister@nuclear.energy.gov (Rich Reister)
RJB@NEI.org (Russell Bell)
sfrantz@morganlewis.com (Stephen P. Frantz)
stephan.moen@ge.com (Stephan Moen)
Steve.harrison@vdh.virginia.gov (Steven Harrison)
tafaha@deq.virginia.gov (Tom Faha)
Tom.Bilik@nrc.gov (Thomas Bilik)
tom.miller@hq.doe.gov (Tom Miller)
tom.miller@nuclear.energy.gov (Thomas P. Miller)
tom.wilcox@dgif.virginia.gov (Thomas Wilcox)

COL - North Anna Mailing List

Tony_Banks@dom.com (Tony Banks)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
veggielady@yahoo.com (Erica Gray)
Vicki_Hull@dom.com (Vicki Hull)
walter.schumitsch@ge.com (Walter Schumitsch)
wayne.marquino@ge.com (Wayne Marquino)
wparrish@spotsylvania.va.us (Wanda Parrish)
zoning@spotsylvania.va.us (Troy Tignor)