



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

June 13, 2018

MEMORANDUM TO: Jennifer Dixon-Herrity, Chief
Licensing Branch 4
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

FROM: Jordan Hoellman, Project Manager */RA/*
Licensing Branch 4
Division of Licensing, Siting,
and Environmental Analysis
Office of New Reactors

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR
OPERATING COMPANY ON MAY 17, 2018

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public meeting with Southern Nuclear Operating Company (SNC) on May 17, 2018. The purpose of the meeting was to discuss issues associated with the safety review of licensing actions for SNC's Vogtle Electric Generating Plant (VEGP) Units 3 and 4.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) under Accession No. ML18110A126. The meeting notice is also posted on the NRC public website. Enclosures 1 and 2 are the meeting agenda and attendance list for the meeting, respectively. The other documents referenced during the discussion can be found at the ADAMS Accession Nos. given below:

- License Amendment Request (LAR) 17-043,
Containment Pressure Analysis – ML18029A243
- Audit Plan for LAR 17-043 – ML18115A124
- Public Presentation Slides for LAR 17-043 – ML18156A559
- Draft LAR for Crediting China First Plant Only Tests
(FPOTs) and First Three Plant Only Tests (F3POTs)
at VEGP Units 3 and 4 – ML18130A817
- Pre-submittal Presentation for Crediting China
FPOT/F3POT at VEGP Units 3 and 4 – ML18135A416

CONTACT: Jordan Hoellman, NRO/DLSE

(301) 415-5481

Summary of Meeting:

On May 17, 2018, staff from the NRC conducted a public meeting with representatives from SNC to discuss issues associated with the safety review of licensing actions for SNC's VEGP Units 3 and 4. Specifically, the meeting discussed (1) LAR 17-043 and (2) pre-submittal information regarding a draft LAR for crediting FPOTs and F3POTs performed at AP1000 units in China for VEGP Units 3 and 4.

The first topic discussed was LAR 17-043. The staff noted that the public portion of the topic would be very short as most of the information in the submittal, as stated by SNC and agreed by the staff, is proprietary. The staff stated that LAR 17-043, "Containment Pressure Analysis," and was submitted on December 21, 2017, and accepted for review on March 27, 2018. The bulk of this approximately 2500-page LAR pertains to a Westinghouse Electric Company's (Westinghouse) Code "WGOthic," which is held as proprietary. The staff noted that the purpose of this meeting is to continue to achieve a complete understanding of the scope of the staff's review by discussing the possible technical challenges that may be created by the proposed changes.

The second topic discussed was pre-submittal information regarding SNC's draft LAR for crediting China FPOTs and F3POTs at VEGP Units 3 and 4. SNC walked through the pre-submittal presentation, noting that the draft LAR submitted intends to credit pre-operational FPOTs and F3POTs that have been completed at China AP1000 units (Sanmen Units 1&2 and Haiyang Unit 1) for VEGP Units 3 and 4. SNC discussed that they completed an assessment of the implementation of the Quality Assurance (QA) program used in China, which included a review of completed tests and test procedures for QA adherence, and the assessment resulted in no impacts to the test results. SNC also noted that an industry subject matter expert performed a comparison of Chinese Regulations to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, Appendix B and concluded that the requirements are comparable. The staff discussed a response letter dated January 13, 2012 (ADAMS Accession No. ML120040121), detailing additional topics the NRC believes should be addressed to utilize the results of FPOTs and F3POTs in China for VEGP Units 3 and 4, and suggested that SNC address the topics in an enclosure to the LAR. Additionally, the staff asked SNC to expand upon the description of its review of Westinghouse's documentation that support the specific tests and procedures, as well as the processes SNC used to verify the conclusions of the engineering analysis are adequate. SNC noted that they understood the staff's comments.

SNC discussed the applicability of the FPOTs and F3POTs in China to VEGP Units 3 and 4. SNC emphasized that the major passive core cooling system (PXS) components, reactor coolant system (RCS) components (including the reactor vessel and reactor vessel internals), and the RCS pressure boundary piping in China and at VEGP Units 3 and 4 are (1) manufactured to the same design specification, (2) procured to the same quality requirements imposed by the design specification, and (3) built to the same design tolerances. SNC noted that because of the standardization of the AP1000 design, the FPOTs and F3POTs performed in China can be used to further establish the unique phenomenological performance parameters of the AP1000 design features and that the design control process for VEGP Units 3 and 4 will ensure the standard design is maintained. The staff noted that it is important that SNC describe how the Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) will be completed to verify the standard design in the LAR, since the FPOTs and F3POTs are not the only tests required to be performed on the PXS and RCS. SNC noted that they understood the staff's comment and that they would expand upon how ITAAC and other tests will verify the functionality of the systems and ensure the design is maintained in the formal LAR submittal.

The staff stated that they understood SNC's proposed approach to submit LARs to revise the FPOTs and F3POTs in the VEGP Units 3 and 4 combined licenses and noted that the staff's detailed review of the pre-operational FPOTs and F3POTs LAR would be performed once the LAR is formally submitted.

At the end of each topic discussed and before closing the open portion of the meeting, there was an opportunity for the public to provide comments and ask questions. There were no comments or questions from members of the public.

In the closed portion of the meeting, the proprietary details of LAR 17-043 and the proprietary details of the QA program used in China, the China FPOTs and F3POTs results, and the applicability of the results to VEGP Units 3 and 4 were discussed.

Docket Nos.: 052-025
052-026

Enclosure:
As stated

cc w/encls: See next page

SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR OPERATING COMPANY
ON MAY 17, 2018 DATED JUNE 13, 2018

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ADAMS Accession No.: ML18152B832

NRC-001

OFFICE	PM: DLSE/LB4	LA: DLSE/LB4	BC: DLSE/LB4	PM: DLSE/LB4
NAME	JHoellman (c)	RButler (c)	JDixon-Herrity (c)	JHoellman (s)
DATE	6/12/18	6/12/18	6/13/18	6/12/18

OFFICIAL RECORD COPY

**AGENDA FOR PUBLIC MEETING
U.S. NUCLEAR REGULATORY COMMISSION (NRC)
Thursday, May 17, 2018
9:00 a.m. – 12:00 p.m.**

PURPOSE: To discuss issues associated with the safety review of licensing actions for Southern Nuclear Operating Company's (SNC) Vogtle Electric Generating Plant (VEGP) Units 3 and 4.

OPEN

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
9:00 a.m.	Opening Remarks	NRC
9:05 a.m.	Discussion of License Amendment Request (LAR) 17-043	NRC/SNC
9:10 a.m.	Opportunity for Public Comment	PUBLIC/NRC
9:10 a.m.	Discussion of draft LAR regarding crediting China First of a Kind testing for VEGP Units 3 and 4	NRC/SNC/Westinghouse
10:30 a.m.	Opportunity for Public Comment	PUBLIC/NRC

CLOSED

10:30 a.m.	Discussion of Proprietary-related details	NRC/SNC/Westinghouse
12:00 p.m.	Adjourn	

PUBLIC MEETING
U.S. NUCLEAR REGULATORY COMMISSION
Thursday, May 17, 2018
9:00 a.m. – 12:00 p.m.

List of Attendees

Name	Organization
Representing the Nuclear Regulatory Commission	
Jordan Hoellman	NRO/DNRL/LB4
Chandu Patel	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Paul Krohn	NRO/DCIP
Kerri Kavanagh	NRO/DCIP/QVIB
Jermaine Heath	NRO/DCIP/QVIB
Diane Jackson	NRO/DSRA/SCVB
Clint Ashley	NRO/DSRA/SCVB
Boyce Travis	NRO/DSRA/SCVB
Ryan Nolan	NRO/DSRA/SRSB
Tim Drzewiecki	NRO/DSRA/SRSB
Greg Makar	NRO/DEI/MCB
Tim Lupold	NRO/DEI/MEB
Yuken Wong	NRO/DEI/MEB
Yiu Law	NRO/DEI/MEB
Robert Mathis *	RII/DCO
Representing Industry	
Amy Aughtman	Southern Nuclear Operating Company (SNC)
Julie Keys	SNC
Kelli Roberts	SNC
Steven Leighty	SNC
Mark Wilson	SNC
Corey Thomas	SNC
Steve Waldrup	SNC
Amanda Pugh *	SNC
Mike Patterson	Westinghouse Electric Company (Westinghouse)
Debra Ohkawa	Westinghouse
Anthony Schoedel	Westinghouse
Oscar Vinals	Westinghouse
Gregory Meyer	Westinghouse
Marko Randelovic	Westinghouse

Jennifer Meneely	Westinghouse
Megan Durst *	Westinghouse
Jason Eisenhauer *	Westinghouse
Zach Harper *	Westinghouse
Representing Public	
Steve Franzone *	Florida Power & Light Company (FPL)
Bill Jacobs *	GA Public Service Commission

* = participated via teleconference

Vogtle Units 3 & 4 Mailing List
cc:

Office of the Attorney General
40 Capitol Square, SW
Atlanta, GA 30334

Resident Manager
Oglethorpe Power Corporation
Alvin W. Vogtle Nuclear Plant
7821 River Road
Waynesboro, GA 30830

Southern Nuclear Operating Company
Document Control Coordinator
42 Inverness Center Parkway, Bin 237
Birmingham, AL 35242

Anne F. Appleby
Oglethorpe Power Corporation
2100 East Exchange Place
Tucker, GA 30084

County Commissioner
Office of the County Commissioner
Burke County Commission
Waynesboro, GA 30830

Mr. Wayne Guilfoyle
Commissioner District 8
Augusta-Richmond County Commission
4940 Windsor Spring Rd
Hephzibah, GA 30815

Gwendolyn Jackson
Burke County Library
130 Highway 24 South
Waynesboro, GA 30830

Mr. Reece McAlister
Executive Secretary
Georgia Public Service Commission
Atlanta, GA 30334

(Revised 03/13/2018)

Resident Inspector
Vogtle Plant Units 3 & 4
8805 River Road
Waynesboro, GA 30830

Mr. Barty Simonton
Team Leader
Environmental Radiation Program
Air Protection Branch
Environmental Protection Division
4244 International Parkway, Suite 120
Atlanta, GA 30354-3906

George B. Taylor, Jr.
2100 East Exchange Pl
Atlanta, GA 30084-5336

Brian H. Whitley
Regulatory Affairs Director
Southern Nuclear Operating Company
42 Inverness Center Parkway, BIN B237
Birmingham, AL 35242

Mr. Michael Yox
Site Regulatory Affairs Director
Vogtle Units 3 & 4
7825 River Road, Bin 63031
Waynesboro, GA 30830

Vogle Units 3 & 4 Mailing List

Email

acchambe@southernco.com (Amy Chamberlian)
agaughtm@southernco.com (Amy Aughtman)
ALPUGH@southernco.com (Amanda Pugh)
awc@nei.org (Anne W. Cottingham)
becky@georgiawand.org (Becky Rafter)
bhwhitley@southernco.com (Brian Whitley)
Bill.Jacobs@gdsassociates.com (Bill Jacobs)
bjadams@southernco.com (Brad Adams)
bwwaites@southernco.com (Brandon Waites)
castelca@westinghouse.com (Curtis Castell)
comerj@westinghouse.com (James Comer)
crpierce@southernco.com (C.R. Pierce)
dahjones@southernco.com (David Jones)
david.hinds@ge.com (David Hinds)
david.lewis@pillsburylaw.com (David Lewis)
dgbost@southernco.com (Danny Bost)
dlfulton@southernco.com (Dale Fulton)
drculver@southernco.com (Randy Culver)
durhamdc@westinghouse.com (David Durham)
ed.burns@earthlink.net (Ed Burns)
edavis@pegasusgroup.us (Ed David)
erg-xl@cox.net (Eddie R. Grant)
fdhundle@southernco.com (Forrest Hundley)
fhwillis@southernco.com (Fred Willis)
G2NDRMDC@southernco.com (SNC Document Control)
graysw@westinghouse.com (Scott W. Gray)
jadwilli@southernco.com (J.D. Williams)
james1.beard@ge.com (James Beard)
jannina.blanco@pillsburylaw.com (Jannina Blanco)
jantol1dj@westinghouse.com (David Jantosik)
jenmorri@southernco.com (Jennifer Buettner)
JHaswell@southernco.com (Jeremiah Haswell)
jim@ncwarn.org (Jim Warren)
John.Bozga@nrc.gov (John Bozga)
Joseph_Hegner@dom.com (Joseph Hegner)
jpredd@southernco.com (Jason R. Redd)
jranalli@meagpower.org (Jerry Ranalli)
karen.patterson@ttnus.com (Karen Patterson)
karlg@att.net (Karl Gross)
kmstacy@southernco.com (Kara Stacy)
KSutton@morganlewis.com (Kathryn M. Sutton)

Vogtle Units 3 & 4 Mailing List

kwaugh@impact-net.org (Kenneth O. Waugh)
lchandler@morganlewis.com (Lawrence J. Chandler)
Marc.Pickering@hq.doe.gov (Marc Pickering)
markus.popa@hq.doe.gov (Markus Popa)
mdmeier@southernco.com (Mike Meier)
media@nei.org (Scott Peterson)
Melissa.Smith@Hq.Doe.Gov (Melissa Smith)
Michael.Kuca@hq.doe.gov (Michael Kuca)
mike.price@opc.com (M.W. Price)
MKWASHIN@southernco.com (MKWashington)
mlgraves@southernco.com (Michelle Graves)
MSF@nei.org (Marvin Fertel)
myox@southernco.com (Mike Yox)
nirsnet@nirs.org (Michael Mariotte)
Nuclaw@mindspring.com (Robert Temple)
patriciaL.campbell@ge.com (Patricia L. Campbell)
Paul@beyondnuclear.org (Paul Gunter)
pbessette@morganlewis.com (Paul Bessette)
r.joshi15@comcast.net (Ravi Joshi)
RJB@NEI.org (Russell Bell)
Ronald.Jones@scana.com (Ronald Jones)
rwink@ameren.com (Roger Wink)
sabinski@suddenlink.net (Steve A. Bennett)
sara@cleanenergy.org (Sara Barczak)
sblanton@balch.com (Stanford Blanton)
Shiva.Granmayeh@hq.doe.gov (Shiva Granmayeh)
sjackson@meagpower.org (Steven Jackson)
skauffman@mpr.com (Storm Kauffman)
sroetger@psc.state.ga.us (Steve Roetger)
stephan.moen@ge.com (Stephan Moen)
stephen.burdick@morganlewis.com (Stephen Burdick)
tom.miller@hq.doe.gov (Tom Miller)
TomClements329@cs.com (Tom Clements)
Vanessa.quinn@dhs.gov (Vanessa Quinn)
vcsummer2n3@gmail.com (Brian McIntyre)
wasparkm@southernco.com (Wesley A. Sparkman)
wayne.marquino@gmail.com (Wayne Marquino)
weave1dw@westinghouse.com (Doug Weaver)
x2gabeck@southernco.com (Gary Becker)
x2kmseib@southernco.com (Kristin Seibert)