



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

November 7, 2019

MEMORANDUM TO: Victor E. Hall, Chief  
Vogtle Project Office  
Office of Nuclear Reactor Regulation

FROM: Jennivine Rankin, Project Manager /RA/  
Vogtle Project Office  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR  
OPERATING COMPANY ON OCTOBER 31, 2019

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public meeting with Southern Nuclear Operating Company (SNC) on October 31, 2019. The purpose of the meeting was to discuss SNC's supplement for LAR 19-003, "Addition of In-Containment Refueling Water Storage Tank [IRWST] to Radiation Analyses."

The meeting notice can be found in Agencywide Documents Access and Management System (ADAMS) Accession No. ML19248C503. 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:

• LAR 19-003 Supplement	ML19276G437
• LAR 19-003 Clarification Topics	ML19295E528

CONTACT: Jennivine Rankin, NRR/VPO  
(301) 415-1530

Summary of Meeting:Technical Discussion on LAR 19-003: Addition of In-Containment Refueling Water Storage Tank to Radiation Analyses.

On October 31, 2019, staff from the NRC conducted a public meeting with representatives from SNC to discuss SNC's supplement for LAR 19-003. The discussion is summarized below:

- For clarification question #1, SNC explained that it used NUREG/CR-5950, "Iodine Evolution and pH Control" (ADAMS Accession No. ML063460464), Section 3.2 to calculate the total iodine concentration. The NRC staff took an action to review NUREG/CR-5950 and determine if any additional clarification is needed regarding the iodine concentration in the IRWST.
- For clarification question #2, SNC explained that the hydrogen igniters are non-safety related equipment used to support beyond design basis scenarios. In addition, the igniters have a 10 day mission time and the analysis used a 2 week bounding dose rate. SNC took an action to review Updated Final Safety Analysis Report Table 19D-5, "Equipment and Instrumentation Operation During Time Frame 3 – Ex-Vessel Core Relocation" to determine if there is a discrepancy in the mission time analysis. The NRC staff took an action to discuss further with severe accident staff.
- For clarification question #3, SNC explained that the hydrogen igniters are non-safety related equipment and under normal operating conditions, beta radiation is a fraction of the radionuclide mixture. The staff agreed that typically beta radiation is not significant to the normal operation environmental qualification dose, however, for the equipment inside the IRWST, it was unclear if beta radiation could be significant because of the potential airborne radioactivity inside the tank. The NRC staff recognized the determination for clarification #1 regarding iodine concentration affects this question and the NRC staff will follow up with SNC if there are further questions. SNC took an action to confirm if the cabling to the igniters have copper armor or some other protection.

At the conclusion of the presentation, there was an opportunity for the public to provide comments and ask questions. There were no comments or questions from the public.

Docket Nos.: 52-025  
52-026

Enclosure:  
As stated

cc w/encls: See next page

SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR OPERATING COMPANY  
ON OCTOBER 31, 2019 DATED: November 7, 2019

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**ADAMS Accession No.: ML19308A029**

**\*via e-mail**

**NRC-001**

OFFICE	PM: VPO	LA: VPO	PM: VPO	BC: VPO
NAME	JRankin* (c)	RButler*	CPatel*	VHall
DATE	11/4/2019	11/4/2019	11/4/2019	11/6/2019
OFFICE	PM: VPO			
NAME	JRankin (s)			
DATE	11/7/2019			

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**AGENDA FOR PUBLIC MEETING  
U.S. NUCLEAR REGULATORY COMMISSION (NRC)  
Thursday, October 31, 2019  
Teleconference  
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
9:10 a.m.	Discussion of Identified Topics	NRC/SNC
	Opportunity for Public Comment	NRC/Public
	Open Portion Concludes	
<b><u>CLOSED.</u></b>	(If needed)	NRC/SNC
12:00 p.m.	Adjourn	

Enclosure 1

**PUBLIC MEETING**  
**U.S. NUCLEAR REGULATORY COMMISSION**  
**Thursday, October 31, 2019**  
**One White Flint North, Room O-11B4**  
**9:00 a.m. – 12:00 a.m.**

**List of Attendees**

Name	Organization
<b>Representing the Nuclear Regulatory Commission</b>	
Jennivine Rankin Michael Webb	NRR/VPO
Edward Stutzcage	NRR/DRA
Michael Dudek	NRR/DNRL
MJ Ross-Lee*	NRR/DSS
<b>Representing Industry</b>	
Mark Humphey* Stephanie Agee* Adam Quarles* Amy Chamberlain* Keith Dorsey*	Southern Nuclear Operating Company
Jon Kirkwood* Anthony Schoedel* Bobby Pinkston* Sean Kinnas*	Westinghouse Electric Company

\* = participated via teleconference

Vogtle Units 3 & 4 Mailing List  
cc:

(Revised 05/08/2019)

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

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

Resident Manager  
Oglethorpe Power Corporation  
Alvin W. Vogtle Nuclear Plant  
7821 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

Southern Nuclear Operating Company, Inc.  
Document Control Coordinator Bin N-226-EC  
3535 Colonnade Parkway  
Birmingham, AL 35243

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

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

Brian H. Whitley  
3535 Colonnade Parkway, Bin N-226-EC  
42 Inverness Center Parkway, BIN B237  
Birmingham, AL 35243

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

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

## 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)  
kwaugh@impact-net.org (Kenneth O. Waugh)  
markus.popa@hq.doe.gov (Markus Popa)

## Vogtle Units 3 & 4 Mailing List

Matthew.Williams@hq.doe.gov (Matthew Williams)  
mdmeier@southernco.com (Mike Meier)  
media@nei.org (Scott Peterson)  
Melissa.Smith@Hq.Doe.Gov (Melissa Smith)  
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)  
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)