



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE NE, SUITE 1200
ATLANTA, GEORGIA 30303-1257

March 4, 2013

Mr. Tom E. Tynan
Vice President
Southern Nuclear Operating Company, Inc.
Vogtle Electric Generating Plant
7821 River Road
Waynesboro, GA 30830

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000424/2012001
AND 425/2012001)

Dear Mr. Tynan:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Vogtle Electric Generating Plant Unit 1 and Unit 2. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Vogtle Unit 1 and Unit 2 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Vogtle Unit 1 and Unit 2 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. In addition, the NRC also plans to conduct initial operator license examinations and an Independent Spent Fuel Storage Installation initial cask loading inspection. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections which will be sent via separate, non-publicly available correspondence.

T. Tynan

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4611 with any questions you have regarding this letter.

Sincerely,

/RA/

Frank Ehrhardt, Chief
Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-424, 50-425
License Nos.: NPF-68, NPF-81

Enclosure: As Stated

cc w/encl: (See page 3)

T. Tynan

2

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (404) 997-4611 with any questions you have regarding this letter.

Sincerely,

/RA/

Frank Ehrhardt, Chief
Projects Branch 2
Division of Reactor Projects

Docket Nos.: 50-424, 50-425
License Nos.: NPF-68, NPF-81

Enclosure: As Stated

cc w/encl: (See page 3)

X PUBLICLY AVAILABLE ☐ NON-PUBLICLY AVAILABLE ☐ SENSITIVE X NON-SENSITIVE
ADAMS: X Yes ACCESSION NUMBER: _____ X SUNSI REVIEW COMPLETE

OFFICE	RII:RDP	RII:DRP					
SIGNATURE	CWR /RA for/	FJE /RA/					
NAME	MMiller	FEhrhardt					
DATE	03/04/2013	03/04/2013					
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY DOCUMENT NAME: S:\DRP\PERIODIC ASSESSMENTS & REPORTS\EOC & MID-CYCLE\2012\END OF CYCLE\INPUT\RPB2\VOGTLE\2012 VOGTLE EOC LETTER.DOCX

T. Tynan

3

cc w/encl:
C. Russ Dedrickson
Fleet Support Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

S. Kuczynski
Chairman, President and CEO
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Todd L. Youngblood
Vice President
Fleet Oversight
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

W. L. Barger
Plant Manager
Vogtle Electric Generating Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. G. Bost
Chief Nuclear Officer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

N. J. Stringfellow
Licensing Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Paula Marino
Vice President
Engineering
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. A. Lynch
Vice President
Joseph M. Farley Nuclear Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. P. Hill
Licensing Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Dennis R. Madison
Vice President
Edwin I. Hatch Nuclear Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Leigh Perry
SVP & General Counsel-Ops & SNC
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. E. Tynan
Site Vice President
Vogtle Electric Generating Plant
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

C. R. Pierce
Nuclear Licensing Director
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

B. D. McKinney, Jr.
Regulatory Response Manager
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

D. W. Daughhetee
Licensing Engineer
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

Bradley J. Adams
Vice President
Fleet Operations Support
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

T. D. Honeycutt
Regulatory Response Supervisor
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

L. L. Crumpton
Administrative Assistant, Sr.
Southern Nuclear Operating Company, Inc.
Electronic Mail Distribution

(cc w/encl continued next page)

T. Tynan

4

(cc w/encl continued)

Hickox, T. Mark
Vogtle Electric Generating Plant
Electronic Mail Distribution

Mark Rauckhorst
Site Vice President
Vogtle Units 3 and 4
Southern Nuclear Operating Company
Electronic Mail Distribution

S. C. Swanson
Site Support Manager
Vogtle Electric Generating Plant
Electronic Mail Distribution

Arthur H. Domby, Esq.
Troutman Sanders
Electronic Mail Distribution

Jerry Ranalli
Municipal Electric Authority of Georgia
Power
Electronic Mail Distribution

Sandra Threatt, Manager
Nuclear Response and Emergency
Environmental Surveillance
Bureau of Land and Waste Management
Department of Health and Environmental
Control
Electronic Mail Distribution

Division of Radiological Health
TN Dept. of Environment & Conservation
401 Church Street
Nashville, TN 37243-1532

Richard Haynes
Director, Division of Waste Management
Bureau of Land and Waste Management
S.C. Department of Health and
Environmental Control
2600 Bull Street
Columbia, SC 29201

Lee Foley
Manager of Contracts Generation
Oglethorpe Power Corporation
Electronic Mail Distribution

Mark Williams
Commissioner
Georgia Department of Natural Resources
Electronic Mail Distribution

Chuck Mueller
Manager
Policy and Radiation Program
Georgia Department of Natural Resources
Electronic Mail Distribution

Cynthia A. Sanders
Radioactive Materials Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

James C. Hardeman
Environmental Radiation Program Manager
Environmental Protection Division
Georgia Department of Natural Resources
Electronic Mail Distribution

Mr. Steven M. Jackson
Senior Engineer - Power Supply
Municipal Electric Authority of Georgia
Electronic Mail Distribution

Reece McAlister
Executive Secretary
Georgia Public Service Commission
Electronic Mail Distribution

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

Office of the County Commissioner
Burke County Commission
Electronic Mail Distribution

(cc w/encl continued next page)

T. Tynan

5

(cc w/encl continued)

Director
Consumers' Utility Counsel Division
Governor's Office of Consumer Affairs
2 M. L. King, Jr. Drive
Plaza Level East; Suite 356
Atlanta, GA 30334-4600

Amy Whaley
Resident Manager
Electronic Mail Distribution

T. Tynan

6

Letter to Tom E. Tynan from Frank Ehrhardt dated March 4, 2012

SUBJECT: ANNUAL ASSESSMENT LETTER FOR VOGTLE ELECTRIC GENERATING
PLANT UNIT 1 AND UNIT 2 (NRC INSPECTION REPORT 05000424/2012001
AND 425/2012001)

Distribution w/encl:

C. Evans, RII

OE Mail

RIDSNRRDIRS

PUBLIC

RidsNrrPMVogtle Resource

ROP Assessment

Institute of Nuclear Power Operations (INPO)

Vogtle

Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1, 2	03/11/2013 03/15/2013	RP	- RAD HAZARDS ANALYSIS AND TRANSPORTATION	2
		IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/11/2013 03/15/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1, 2	03/11/2013 03/15/2013	IP 71151	Performance Indicator Verification	
2	03/18/2013 03/22/2013	ISI	- UNIT 2 INSERVICE INSPECTION AND RVH EXAM	3
		IP 7111108P	Inservice Inspection Activities - PWR	
2	03/25/2013 03/29/2013	SGISI	- UNIT 2 SG INSERVICE INSPECTION	1
		IP 7111108P	Inservice Inspection Activities - PWR	
1	03/25/2013 03/29/2013	OL EXAM	- INITIAL EXAM PREP	3
		V23404	VOGTLE/APRIL 2013 EXAM AT POWER FACILITIES	
1, 2	04/01/2013 04/05/2013	EP	- EMERGENCY PREPAREDNESS INSPECTION	2
		IP 7111402	Alert and Notification System Testing	
1, 2	04/01/2013 04/05/2013	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1, 2	04/01/2013 04/05/2013	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1, 2	04/01/2013 04/05/2013	IP 71151	Performance Indicator Verification	
1	04/15/2013 04/19/2013	OL EXAM	- INITIAL EXAM WEEK 1	3
		V23404	VOGTLE/APRIL 2013 EXAM AT POWER FACILITIES	
1	04/29/2013 05/03/2013	OL EXAM	- INITIAL EXAM WEEK 2	3
		V23404	VOGTLE/APRIL 2013 EXAM AT POWER FACILITIES	
1, 2	05/20/2013 05/24/2013	ISFSI	- VOGTLE NRC ISFSI DRY RUN	5
		IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1, 2	06/24/2013 06/28/2013	CDBI	- COMPONENT DESIGN BASES INSPECTION	7
		IP 7111121	Component Design Bases Inspection	
1, 2	07/15/2013 07/19/2013	IP 7111121	Component Design Bases Inspection	
1, 2	07/29/2013 08/02/2013	IP 7111121	Component Design Bases Inspection	
1, 2	08/12/2013 08/16/2013	IP 7111121	Component Design Bases Inspection	
1, 2	08/19/2013 08/23/2013	ISFSI	- VOGTLE ISFSI INITIAL LOADING CAMPAIGN	2
		IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1, 2	09/02/2013 09/06/2013	OL RQ	- REQUAL INSPECTION	2
		IP 7111111B	Licensed Operator Requalification Program	
1, 2	09/09/2013 09/11/2013	TI-182	- TI-182 BURIED PIPING/TANK - PHASE 2	1
		IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	

Vogtle

Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
		RP - RP PUBLIC RAD SAFETY BASELINE		2
1, 2	09/09/2013 09/13/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1, 2	09/09/2013 09/13/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1, 2	09/09/2013 09/13/2013	IP 71151	Performance Indicator Verification	
		OL EXAM - INITIAL LICENSE EXAM PREP		3
1	02/24/2014 02/28/2014	V23420	VOGTLE U1/MARCH 2014 INITIAL EXAM AT POWER FACILITIES	
		RP - RP OCCUPATIONAL BASELINE		3
1, 2	03/10/2014 03/14/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/10/2014 03/14/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/10/2014 03/14/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/10/2014 03/14/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	03/10/2014 03/14/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/10/2014 03/14/2014	IP 71151	Performance Indicator Verification	
		ISI - UNIT 1 IN-SERVICE INSPECTION		1
1	03/17/2014 03/21/2014	IP 7111108P	Inservice Inspection Activities - PWR	
		OL EXAM - INITIAL LICENSE EXAM WEEK 1		3
1	03/24/2014 03/28/2014	V23420	VOGTLE U1/MARCH 2014 INITIAL EXAM AT POWER FACILITIES	
		RP - RP OCCUPATIONAL BASELINE WEEK2		2
1, 2	03/24/2014 03/28/2014	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1, 2	03/24/2014 03/28/2014	IP 71124.02	Occupational ALARA Planning and Controls	
1, 2	03/24/2014 03/28/2014	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1, 2	03/24/2014 03/28/2014	IP 71124.04	Occupational Dose Assessment	
1, 2	03/24/2014 03/28/2014	IP 71124.05	Radiation Monitoring Instrumentation	
1, 2	03/24/2014 03/28/2014	IP 71151	Performance Indicator Verification	
		SGISI - UNIT 1 SG IN-SERVICE INSPECTION		1
1	03/24/2014 03/28/2014	IP 7111108P	Inservice Inspection Activities - PWR	
		OL EXAM - INITIAL LICENSE EXAM WEEK 2		3
1	03/31/2014 04/04/2014	V23420	VOGTLE U1/MARCH 2014 INITIAL EXAM AT POWER FACILITIES	
		EP - EP EXERCISE		1
1, 2	05/19/2014 05/23/2014	IP 7111401	Exercise Evaluation	
1, 2	05/19/2014 05/23/2014	IP 71151	Performance Indicator Verification	
		MODS - PLANT MODIFICATIONS INSPECTION		3
1, 2	06/09/2014 06/13/2014	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
1, 2	06/23/2014 06/27/2014	IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Enclosure

Unit Number	Planned Dates StartEnd	Inspection Activity	Title	No. of Staff on Site
1, 2	06/16/201406/20/2014	HSIP 7111107T	HS - TRIENNIAL HEAT SINK PERFORMANCE Heat Sink Performance	1

Comments: