

November 23, 2020

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Docket Nos.: 50-424

NL-20-1329

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Vogtle Electric Generating Plant – Unit 1
Inservice Inspection Program Owner's Activity Report (OAR-1) for Outage 1R22

Ladies and Gentlemen:

The ASME Section XI Code Case N-532-5 OAR-1 Owner's Activity Report for the 1R22 Refueling Outage is provided as an Enclosure to this letter. This Enclosure includes Table 1, "Items with Flaws or Relevant Conditions that Required Evaluation for Continued Service," which lists evaluations performed for continued service, and Table 2, "Abstract of Repair / Replacement Activities Required for Continued Service," which lists repair/replacement activities.

This report is for the first period of the 4th Inservice Inspection Interval (Interval 4, Period 1, Outage 2).

Please note that by letter dated June 3, 2020 (ADAMS Accession No. ML20143A233), the Nuclear Regulatory Commission (NRC) staff granted Southern Nuclear Operating Company (SNC) until 90 days after the public health emergency (PHE) has ended or before the beginning of the next refueling outage, whichever is first, to submit this report.

This letter contains no NRC commitments. If you have any questions, please contact Jamie Coleman at 205.992.6611.

Respectfully submitted,

Cheryl A. Gayheart
Regulatory Affairs Director

CAG/dsp/cbg

Enclosure: 1R22 Form OAR-1 Owner's Activity Report

cc: Regional Administrator
NRR Project Manager – Vogtle 1 & 2
Senior Resident Inspector – Vogtle 1 & 2
RType: CVC7000

Vogle Electric Generating Plant – Unit 1
Inservice Inspection Program Owner's Activity Report (OAR-1) for Outage
1R22

Enclosure

1R22 Form OAR-1 Owner's Activity Report

FORM OAR-1 OWNER'S ACTIVITY REPORT			
Report Number <u>1-4-1-2 (Unit 1, 4th Interval, 1st Period, 2nd Report)</u>			
Plant <u>Alvin W. Vogtle Electric Generating Plant</u>			
Unit No. <u>1</u> <small>(if applicable)</small>	Commercial service date <u>May 31, 1987</u>	Refueling outage no. <u>1R22</u>	
Current inspection interval <u>4th</u> <small>(1st, 2nd, 3rd, 4th, other)</small>			
Current inspection period <u>1st</u> <small>(1st, 2nd, 3rd)</small>			
Edition and Addenda of Section XI applicable to the inspection plans: <u>The 2007 Edition through 2008 Addenda is applicable to the 4th Inspection Interval.</u>			
Date and revision of inspection plans: <u>4th Inspection Interval Inspection Plans - Volume 1- 06/17/2019 (Version 3.0), Volume 3 - 07/12/2019 (Version 4.0), Volume 4 - 6/12/2019 (Version 4.0), and Volume 5 - 6/12/2019 (Version 4.0). 1R22 Outage Plan - 03/06/2020 (Version 1.0) with 1R22 Outage Plan Scope Change SC-001 (Version 2.0) -05/12/2020</u>			
Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the inspection plans: <u>Same</u>			
Code Cases used for inspection and evaluation: <u>N-716-1, N-722-1, N-729-4, N-740-2, N-504-4 and N-532-5</u> <small>(if applicable, including cases modified by Case N-532 and later revisions)</small>			
CERTIFICATE OF CONFORMANCE			
I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of <u>1R22</u> conform to the requirements of Section XI. <small>(refueling outage number)</small>			
Signed <u>Keith J Drudy</u> <small>Owner or Owner's Designee, Title</small>		Date <u>10/11/20</u>	
<small>Plant Subject to Reg. for T. Aiken, E.C. District.</small>			
CERTIFICATE OF INSERVICE INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by <u>The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT</u> , have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.			
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.			
Inspector's Signature <u>Jerome Barthelemy</u>		Commission <u>NB15817 AI, N, I, R / GA-1192</u> <small>(National Board Number and Endorsement)</small>	
Date <u>10/29/2020</u>			

Table 1
Items with Flaws or Relevant Conditions That Required Evaluation for Continued Service

Examination Category and Item Number	Item Description	Evaluation Description
N/A	N/A	N/A

Table 2
Abstract of Repair / Replacement Activities Required for Continued Service

Code Class	Item Description	Description of Work	Date Completed	Repair / Replacement Plan Number
1	Examination Category R-A, High Head Safety Injection Loop 4 RSC Cold Leg (Location 11204L4246)	A Weld Overlay applied to the 1.5-inch diameter pipe and tied in with existing weld overlay on the 3-inch nozzle on the Loop 4 RCS Cold Leg associated with line 11204L4246 (HHSI) per work order SNC908717.	3/18/2020	SNC908717 – T1
1	Examination Category B-G-2, Steam Generator 1 Hot & Cold Leg Bolting (Location 11201B6001)	Replaced the Primary Manway Cold Leg studs #13, #15, and #16 on the Steam Generator 1.	3/16/2020	SNC984150
1	Examination Category B-Q Steam Generator 1 Tubing (11201B6001)	Mechanical plugs were installed in applicable tubes due to degradation detected during eddy current examination.	3/22/2020	SNC978472
1	Examination Category B-Q Steam Generator 2 Tubing (11201B6002)	Mechanical plugs were installed in applicable tubes due to degradation detected during eddy current examination.	3/22/2020	SNC973457
3	NSCW Pump 4 Flange Refurbishment (1202P4004)	Welded the SA-182/SA-240 Type 316L pump flange to the Type 316 Annealed Austentic Stainless Steel pump 1202P4004 column pipe. In addition, replaced 1" SA-194 GR. 8M hex nut located on the bolted connection between the suction bell and the bowl of NSCW pump 11202P4004.	2/09/2020	SNC121344 – T3, T4