

GEORGIA POWER COMPANY
INSERVICE INSPECTION PROGRAM

(ISI-P-014)

FOR

VOGTLE ELECTRIC GENERATING PLANT
UNIT 2

PREPARED BY
SOUTHERN NUCLEAR OPERATING COMPANY
INSPECTION AND TESTING SERVICES GROUP

REV	DATE	DESCRIPTION	SNC				GPC	
			PREP'D BY (ITS)	REV'D BY (ITS)	APPV. BY (ITS)	APPV. VOGTLE PROJECT NMS	APPV. MGR. TECH. SUPP.	APPR GEN. MGR.
0	10/25/88	ORIGINAL ISSUE						
1	4/10/89	ALL REL. REQ'S 54, 55, 56						
2	5/18/89	REVISED RE. REQ'S 32 & 52						
3	6/11/90	DELETE RELIEF REQUESTS RR-45,47,48,54 REV RR- 32						
4	6/10/91	INCORPORATE COMMENTS PER GPC LTR MSV-00318, 9/13/90						
5	3/12/93	INCORPORATE COMMENTS PER PCR92-009 & 93-005						
6	11/5/93	INCORPORATE COMMENTS PER PCR 93-018 & ADD GENERAL COMMENTS	<i>DAD</i>	<i>SMS</i>	<i>MIB</i>	<i>J.A. Ward</i>	<i>J.H. Bennett</i>	<i>[Signature]</i>

Vogtle Electric Generating Plant - Unit 2 (VEGP-2)
Inservice Inspection (ISI) Program
(ISI-P-014)

Revision 6 Summary of Changes

Affected ISI Program
Document Pages

Changes

Table of Contents	Deleted Line Designation List and Equipment Designation List references in table.
6-4	Added reference to RR-57.
6-53	Added Weld 21201-B6-004-W26 to table.
6-93	Editorial Change
6-93a thru 6-93b	Modified RR-49 concerning hydrostatic tests on the NSCW pumps and transfer pumps.
7-1 thru 7-140	Deleted Line Designation List.
8-1 thru 8-26	Deleted Equipment Designation List.

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INSERVICE INSPECTION PROGRAM
VOGTLE ELECTRIC GENERATING PLANT

UNIT 2

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- RR-52 Reactor Vessel integrally welded attachments
- RR-53 Class 3 hydrostatic test on Spent Fuel Cooling & Purification
- RR-54 Relief Request withdrawn conditionally
- RR-55 Pressurizer Safety Relief Valve Piping
- RR-56 Auxiliary Feedwater Integrally Welded Attachments and Associated Component Supports
- RR-57 Remote Mechanized Volumetric and/or Surface Examination of Pressure Retaining Reactor Vessel Outlet Nozzle-to-Shell Welds, Inner Radius, and Reactor Vessel Outlet Nozzle-to-Safe End Welds.

VEGP-2, RR-29
Attachment 1

<u>Identification No.</u>	<u>Code Category</u>	<u>Description</u>	<u>Percentage Examined During PSI</u>	<u>Restriction</u>
21201-B6-001-W01	C-A	Upper Head to Upper Shell Barrel "D" Weld	98%	4 Welded plates restrict access to part of weld
21201-B6-003-W05	C-A	Lower Cone End Stub Barrel to Lower Shell Barrel "B" Weld	90%	Observation ports restrict access to part of weld
21201-B6-004-W07	C-A	Lower Shell Barrel "A" to Tube Plate Weld	98%	Observation ports and coupling restrict access to part of weld
21201-B6-004-W26	C-B	6" Auxiliary Feedwater Nozzle to Shell Weld	67%	Limited exam from nozzle side

VEGP-2

RR-49

Component or Relief Area

System hydrostatic test and VT-2 examination during system inservice test on Class 3 vertical pit-type pumps. The following nuclear service cooling water (NSCW) pumps and transfer pumps are affected by this relief request.

2-1202-P4-001	2-1202-P4-005
2-1202-P4-002	2-1202-P4-006
2-1202-P4-003	2-1202-P4-007
2-1202-P4-004	2-1202-P4-008

Requirements From Which Relief is Requested

Item number D1.10, Examination Category D-A, Table IWD-2500-1 of ASME Section XI requires a system hydrostatic test (IWD-5223) and a VT-2 examination during system inservice testing (IWD-5221) on Class 3 components.

Basis for Relief

The NSCW pumps and transfer pumps are vertical pit-type pumps which take suction from the NSCW tower basins. Since these pumps are vertical pit-type pumps, there are no isolation valves on the suction side of the pumps to facilitate hydrostatic testing. Therefore, the performance of a hydrostatic test on the pumps and the piping to the first discharge shutoff valve is impractical. In addition, the performance of a VT-2 examination during system inservice testing is also impractical on the suction side portion of these pumps because they are submerged in the NSCW tower basins.

Alternate Examinations

These pumps are periodically tested as required by Subsection IWP. These tests verify operability of these pumps and by doing so would detect significant leakages through the pressure-retaining boundary. A VT-2 examination will be performed each inspection period during system inservice testing on portions of the pumps which are not submerged in the NSCW tower basin.

VEGP-2

RR-49 Addendum

Component or Relief Area

In addition to the relief requested from performing hydrostatic tests on the NSCW pumps and the piping to the first discharge isolation valve, it is requested that the boundary be extended to the following:

discharge isolation valve 2-HV-11600 to discharge check valve 2-1202-U4-025,

discharge isolation valve 2-HV-11607 to discharge check valve 2-1202-U4-027,

discharge isolation valve 2-HV-11606 to discharge check valve 2-1202-U4-035,

discharge isolation valve 2-HV-11613 to discharge check valve 2-1202-U4-037,

discharge isolation valve 2-HV-11605 to discharge check valve 2-1202-U4-031,

discharge isolation valve 2-HV-11612 to discharge check valve 2-1202-U4-033,

Train A to Train B intertie from manual isolation valve 2-1202-U4-492 to check valve 2-1202-U4-495, and

Train B to Train A intertie from manual isolation valve 2-1202-U4-497 to check valve 2-1202-U4-493.

Requirements From Which Relief is Requested

Same as original RR-49.

Basis for Relief

Same as original RR-49 plus:

Performance of a hydrostatic test on the piping between the first discharge isolation valves downstream of the NSCW pumps and the downstream discharge check valves is impractical because no intermediate test connections are present to attach hydrostatic test equipment. To remove the check valve internals to facilitate hydrostatic testing is not prudent due to time constraints associated with disassembling and reassembling the check valves and restoring the NSCW system to service.

Similarly, portions of the "NSCW keep full system" are isolated from the remainder of applicable NSCW train by check valves with no intermediate test connections. The "NSCW keep full system" is designed to maintain the idle train of NSCW pressurized and full of water by the use of an intertie from the operating train. To remove the check valve internals to facilitate hydrostatic testing is not prudent due to time constraints associated with disassembling the check valves and restoring the NSCW system to service.

VEGP-2

RR-49 Addendum (Cont'd)

Alternate Examinations

Same as original RR-49 for pumps plus:

Intertie piping sections will be VT-2 examined each inspection period during system inservice testing of NSCW pumps.