

NOV 12 2002



LRN-02-0394

United States Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Gentleman:

**REQUEST FOR ADDITIONAL INFORMATION  
INSERVICE INSPECTION PROGRAM RELIEF REQUEST  
S1-RR-B01  
SALEM GENERATING STATION- UNIT 1  
FACILITY OPERATING LICENSE DPR-70  
DOCKET NOS. 50-272**

By letter dated January 8, 2002, PSEG Nuclear LLC (PSEG) submitted two requests (S1-RR-B01 and S1-RR-C01) for relief from the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, for Salem Generating Station, Unit No. 1 (Salem 1). The requests for relief are for the second 10-year inservice inspection (ISI) interval in which Salem adopted the 1983 Edition of ASME Section XI, including Summer 1983 Addenda, as the Code of record.

The Nuclear Regulatory Commission staff discussed the subject relief requests with PSEG staff on October 18, 2002. In response to the Nuclear Regulatory Commission's request, PSEG Nuclear is providing written clarification of the material composition and configuration of piping associated with the pressurizer relief and spray lines and steam generator nozzle to cast stainless steel elbows.

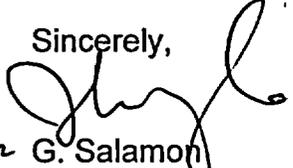
The Pressurizer relief and spray line 'nozzle to safe-end' welds 6-PR-1104-1 (Summary No. 023400), 6-PR-1103-1 (Summary No. 024600), 4-PS-1131-29 (Summary No. 033500) and 4-PR-1100-1 (Summary No. 025900) do not contain Alloy 600 type material as evidenced by Attachment 1 drawing and information.

The Steam Generator nozzle-to-elbow welds 31-RC-1130-2R1 (Summary No. 039200), 29-RC-1130-5R1 (Summary No. 050210), and 29-RC-1120-5R1 (052600) contain a single bead of Alloy 600 material located on the outside of the pipe. The Alloy 600 material is not in contact with the primary reactor water coolant located on the inside of the piping as evidenced by Attachment 2 drawing and information.

A047

NOV 12 2002

Should you have any questions regarding this information, please contact Mr. Howard Berrick at 856-339-1862.

Sincerely,  
  
for G. Salamon  
Manager – Nuclear Safety and Licensing

Attachment:

- I. Pressurizer Relief and Spray Lines Nozzle to safe-end Weld Configurations
- II. Steam Generator Nozzle to Cast Stainless Steel Elbow Weld Configurations

NOV 12 2002

C Mr. H. Miller  
Regional Administrator - Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

U.S. Nuclear Regulatory Commission  
ATTN: Mr. R. Fretz  
Licensing Project Manager - Salem  
Mail Stop 08B2  
Washington DC 20555-001

USNRC Senior Resident Inspector - Salem (X24)

Mr. K. Tosch, Manager IV  
Bureau of Nuclear Engineering  
P. O. Box 415  
Trenton, NJ 08625

Attachment 1

Pressurizer Relief  
and  
Pressurizer Spray Lines  
Nozzle  
to  
Safe-end  
Weld Configurations

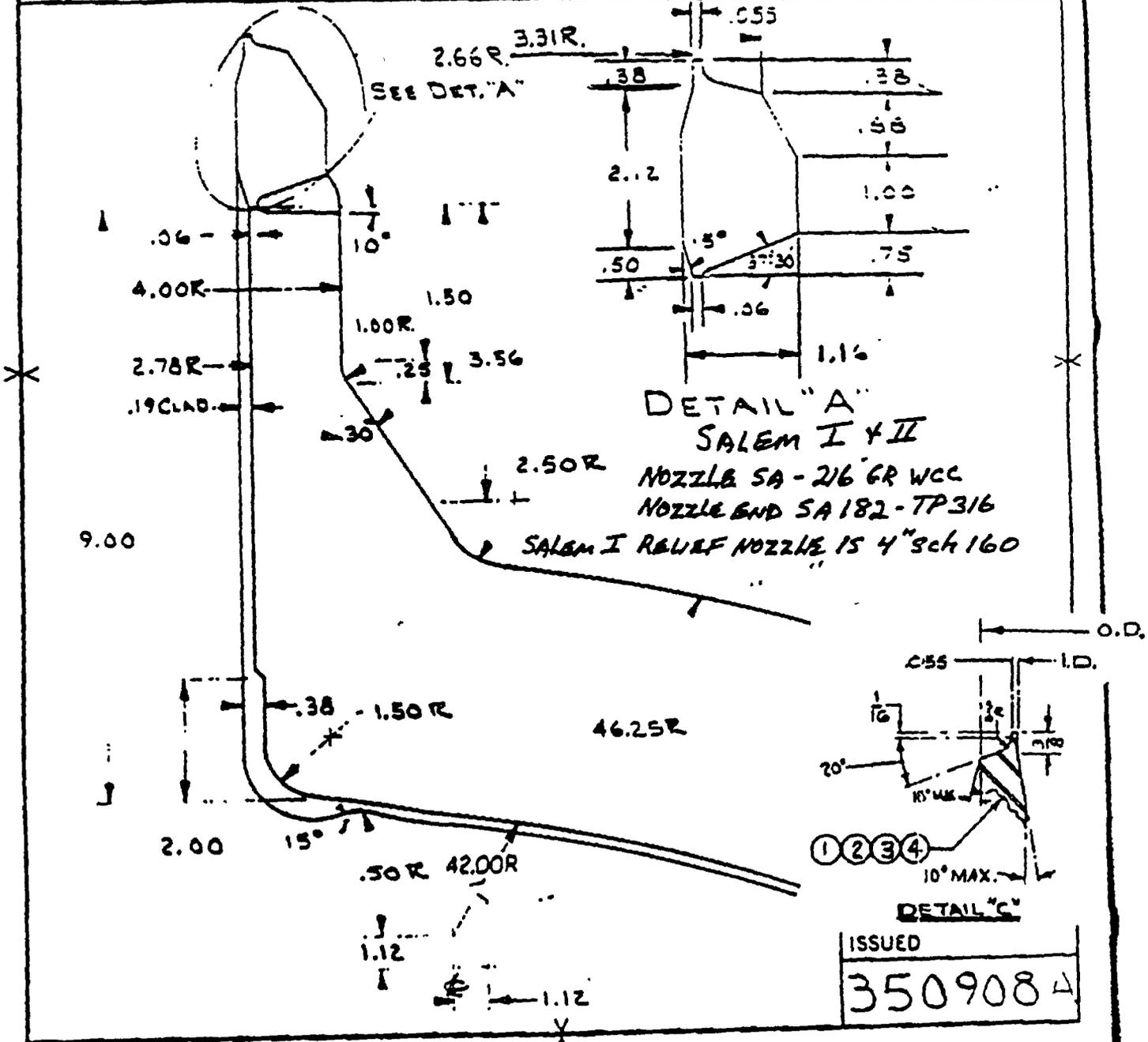
# PRESSURIZER

BRUNING

I	50	DEFM. (12/2/54)	CHKD	QC	DSGN	M & W	ENGR. (W.L.P.)	MFG	REF SIM PARTS	CHANGE	REV. 1 2/2/54	REV. 2 11/2/54	THIS DOCUMENT IS THE PROPERTY OF AND CONTAINS PROPRIETARY INFORMATION OWNED BY THE TAMPA DIVISION OF WESTINGHOUSE ELECTRIC CORPORATION AND IS MADE AVAILABLE TO YOU UNDER A CONFIDENTIAL RELATIONSHIP AND SUBJECT TO THE FOLLOWING UNDERSTANDING, CONDITIONS AND RESTRICTIONS: NO PERMISSION IS GRANTED TO PUBLISH, USE, REPRODUCE, TRANSMIT OR DISCLOSE TO ANOTHER THIS DOCUMENT OR ANY INFORMATION CONTAINED THEREIN WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAID DEPARTMENT IN ADVANCE.	NUMBER LAST USED
---	----	-----------------	------	----	------	-------	----------------	-----	---------------	--------	---------------	----------------	--	------------------

WESTINGHOUSE ELECTRIC CORPORATION TAMPA DIVISION TAMPA, FLA

TITLE: 6-IN SCH. 160 SAFETY & RELIEF NOZ. (CAST TYPE)



ISSUED  
**350908A**



Attachment 2

Steam Generator

Nozzle

to

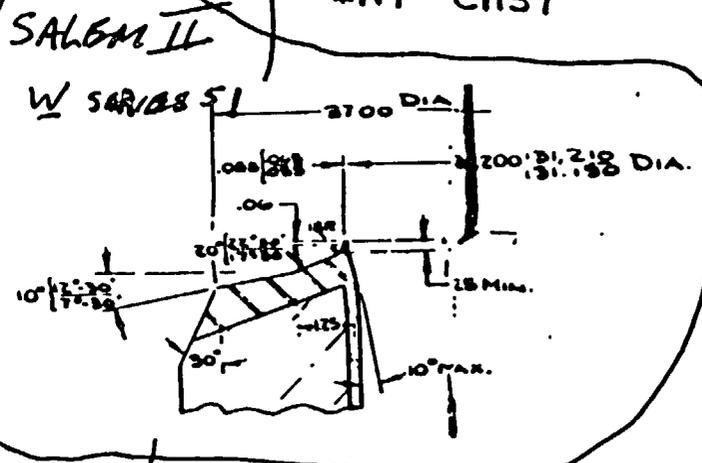
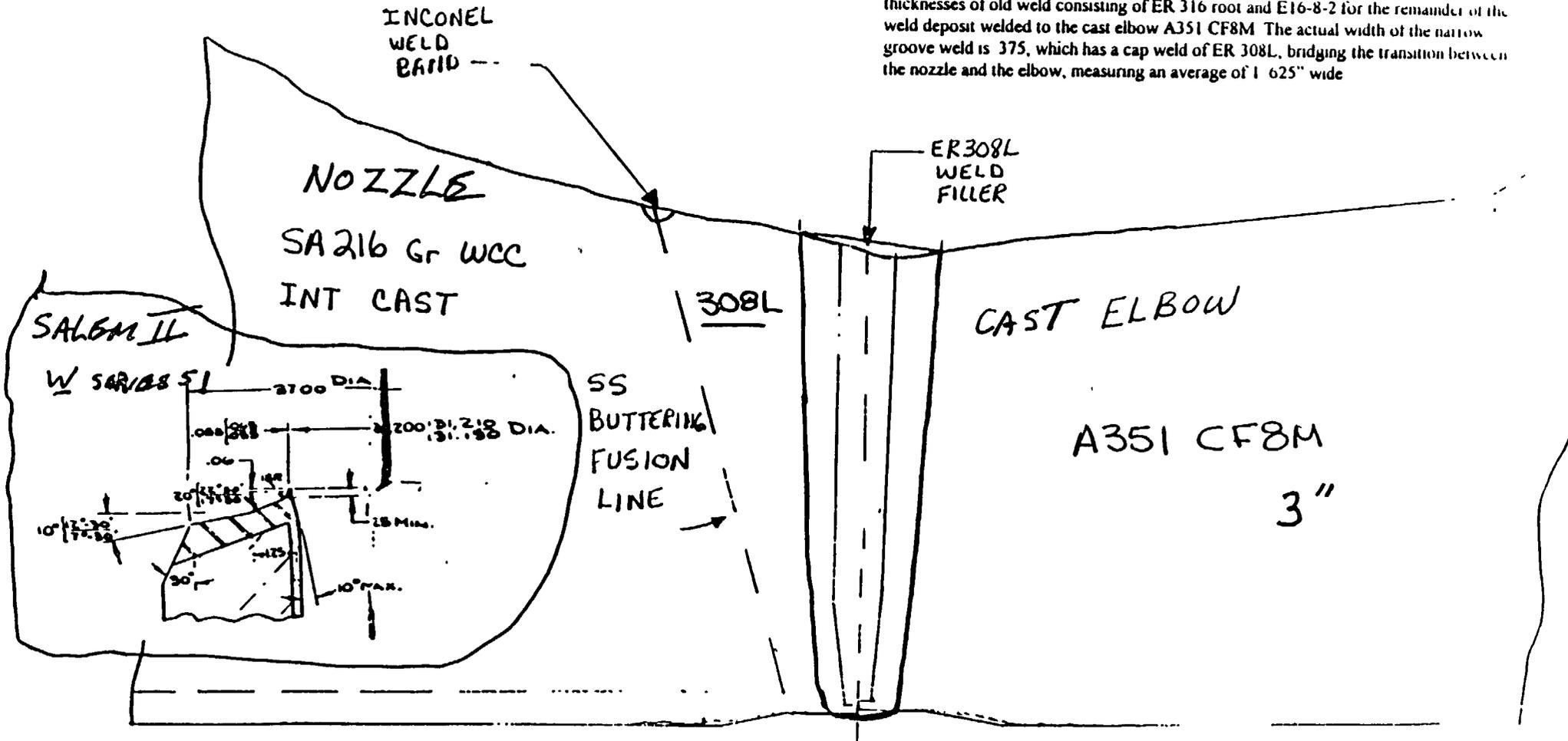
Cast Stainless Steel

Elbow

Weld Configurations

# SALEM I S/G REPLACEMENT PRIMARY NOZZLE W 4 LOOP MODEL "F"

The new welds consists of SA 216 Gr WCC cast nozzle, Inconel weld band 308L old weld from the hydro cap welded at Seabrook, 308L narrow groove weld, various thicknesses of old weld consisting of ER 316 root and E16-8-2 for the remainder of the weld deposit welded to the cast elbow A351 CF8M. The actual width of the narrow groove weld is .375, which has a cap weld of ER 308L, bridging the transition between the nozzle and the elbow, measuring an average of 1.625" wide



Hydrocap welds - 308L

CROSS OVER 31" DIA. } SS.  
HOT LEG 29" DIA. } NOMINAL PIPE THICKNESS 2,312

Original welds for OSBs  
ER 316 for first 3/8"  
E16-8-2 for the remainder  
of the weld deposits  
Equivalent to P-No 8 Materials