

TITLE ELECTROMATIC RLF VLV MALFUNC.  
RELATED SPRs \_\_\_\_\_

This SPR has been reviewed by Task Engineering Groups and is applicable to  
NSS- 00. The following  
is the status and/or resolution of this SPR on other contracts.

REMARKS

The occurrence on this SPR is possibly generic to other plants. It has been taken care of by Ken Waudling writing an SIR to all sites to maintain an inspection of these moving parts. The writing of this SIR should satisfy the generic concerns of this problem. Done 7/15/75

RWP

7/16/75

NSS- \_\_\_\_\_

POOR ORIGINAL

8001170 855

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*[Handwritten mark]*

SITE PROBLEM  
REPORT TRANSMITTAL

\*\*\*\* CLEARED \*\*\*\*

TO: \_\_\_\_\_ For Information  
Central Engineering Files  
C. C. Plunkett - Contract Admin.  
S. H. Klein - Quality Assurance  
R.G. Burnley - Task Engineer  
CP Crecy - Project Manager

FILE: 12M2  
CONTRACT NO: 620-00 09  
SPR 107  
TITLE Electromatic  
Relief Valve Mal  
Function  
DATE: 11-21-75

The attached, cleared SPR is submitted for your information.

TO: \_\_\_\_\_ E. L. Logan - FLORIDA \_\_\_\_\_  
\_\_\_\_\_ L. C. Rogers - MET.ED. \_\_\_\_\_  
\_\_\_\_\_ R. J. Baker - TOLEDO \_\_\_\_\_  
\_\_\_\_\_ B. L. Day - Intl. Support \_\_\_\_\_  
\_\_\_\_\_ P. E. Perrone - OPR \_\_\_\_\_

Attached is one copy of Site Problem Report No. 107 which was processed on Contract 620-00 09. Future contracts have been reviewed for the potential of a similar problem. This problem ~~is~~ is not considered applicable to other contracts \_\_\_\_\_.

REMAI \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

cc: G. M. Jacks - Plant Integration  
This SPR has been reviewed IAW NPG-1707-01

Miles VanDine  
NUCLEAR SERVICE SUPPORT ENGINEER

CLEARED

POOR ORIGINAL

SITE PROBLEM REPORT

BADCOCK & WILCOX

CUSTOMER Oconee III	CONTRACT NO. NSS-09	SPR NO. 107	REV. NO.
VENDOR Dresser	P.O. NO. 20158LS	TASK NO. 28	GROUP NO. 41
SITE ENGINEER F.G.Grisbaum	REQ'D RESOL DATE	REQ'D COMP. DATE For info only	

TITLE ELECTROMATIC RELEIF VALVE MALFUNCTION

DESCRIPTION OF PROBLEM On Friday, June 13th, Duke reduced power to 12% FP in preparation to cold shutdown for RCP seal replacement. During the transition from turbine to turbine bypass the primary system experienced a pressure transient to 2267 psig. The power relief valve actuated at 2257 psig and failed to close. This caused the Quench Tank rupture disc to rupture. Failure to promptly close the power relief isolation valve caused violations of the fuel compression curve, cooldown rates and RC pumps NPSH curve. Inspection of the power relief valve after shutdown indicated that the pilot valve lever had remained in the ported position preventing the main valve from reseating. Restraint of the lever was caused by corrosion of the lever pin, lever hinge and solenoid bracket.

STATUS - ACTION TO DATE INCLUDING PERSONS CONTACTED  
 JT Janis, NSD, Lynchburg, KR Ellison, NSD, Lynchburg, advised of problem. Valve has been repaired (6/20/75) and reinstalled. Repair was effected by increasing the clearance for the lever pin in both the solenoid bracket and the lever hinge bearing points. Valve pilot disc and seat were refurbished to achieve tight seating.

FURTHER ACTION RECOMMENDED BY SITE PERSONNEL

Sites be advised to conduct periodic inspection/operation of valve to insure operability. When plant shuts down, perform manual/visual checks for freedom of motions.

*[Handwritten Signature]* *[Handwritten Signature]* 6/27/75

RESOLUTION See further action.

*SITE INSTRUCTION ISSUED ADVISING INSPECTIONS TO PREVENT PROBLEM FROM OCCURRING AT OTHER SITES. ELL*

RESOLUTION

APPROVED BY	SIGNATURE	DATE
N.S. SUPPORT ENGINEER	<i>[Signature]</i>	7/21/75
TASK ENGINEER / N.S. UNIT MANAGER	<i>[Signature]</i>	11/11/75
PLT. START-UP MGR/SERV. & MAINT. MGR.	<i>[Signature]</i>	11/2/75
PROJECT MANAGER / CONTRACT ENGINEER	<i>C. A. Cray</i>	7-22-75

COST CATEGORY  NORM  C  D  G  L  VENDOR CLAIM

AUTH. CHARG. NO.  FIELD CHANGE REQ  FC NO.

SITE COMPLETION REPORT F.C. NO 113 issued 12/1/76 *[Signature]*

POOR ORIGINAL

COMPLETION

DEVIATIONS <input type="checkbox"/> NONE <input type="checkbox"/> SEE SPR REV. NO. _____	SHEET 1 OF
DATE COMPLETED <i>11-14-75</i> SIGNED BY <i>[Signature]</i>	
S.O.M./CONST. REP. APPROVAL <i>C. A. Cray</i> DATE <i>11-14-75</i>	