

# SITE PROBLEM REPORT

BADDOCK & WILCOX

CUSTOMER Oconee III	CONTRACT NO. NSS-C9	SPR NO. 107	REV. NO.
VENDOR Dresser P.O. NO. 20158LS	TASK NO. 26	GROUP NO. 41	SEQ. NO. 001
SITE ENGINEER F.G.Grisbaum	REQ'D RESOL DATE	REQ'D COMP. DATE	For info only

TITLE ELECTROMATIC RELIEF 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 arm and solenoid bracket.

STATUS - ACTION TO DATE INCLUDING PERSONS CONTACTED

JT Jamis, NSD, Lynchburg, KR Ellisen, 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.

DATE	6/27/75
RESOLUTION	See further action.

APPROVED BY	SIGNATURE	DATE
N.S. SUPPORT ENGINEER		
TASK ENGINEER / N.S. UNIT MANAGER		
PLT. START-UP / SERV. & MAINT. MGR.		
PROJECT MANAGER / CONTRACT ENGINEER		

COST CATEGORY	<input type="checkbox"/> NORM	<input type="checkbox"/> C	<input type="checkbox"/> D	<input type="checkbox"/> R	<input type="checkbox"/> I	<input type="checkbox"/> VENDOR
AUTH. CHANGE NO.	<input type="checkbox"/> FIELD CHANGE REQ		FC NO.			

SITE COMPLETION REPORT

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PDR ADOCK 05000289  
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DEVIATIONS	<input type="checkbox"/> NONE	<input type="checkbox"/> SEE REV NO.
DATE COMPLETED	SIGNED BY	
SUBMITTER	REP. APPROVAL	DATE

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