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F. L. CLAYTON, JR.
Senior Vice President



December 4, 1979

Docket No. 50-348
I.E. Bulletin 79-01A
Additional Response

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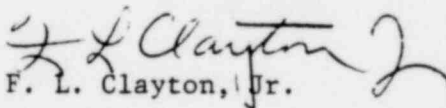
Mr. J. P. O'Reilly
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, N.W.
Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

Attached is additional response to I.E. Bulletin 79-01A as requested by your staff.

If you have questions, please advise.

Yours very truly,


F. L. Clayton, Jr.

FLCJr/TNE:bhj

Attachment

cc: Mr. R. A. Thomas
Mr. G. F. Trowbridge

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FARLEY-1

SUPPLEMENTAL RESPONSE TO
IE BULLETIN 79-01A (ASCO Solenoids)

Alabama Power Company submits the following supplemental response to IE Bulletin 79-01A.

Attachment 1 is a revised listing of valves in containment with ASCO solenoid valves. Additions to the listing submitted on June 13, 1979 are:

LCV-1003 -- Reactor Coolant Drain Tank Heat Exchanger Discharge
HV-3766 -- Accumulator Tank Sample

This list of solenoid valves (Attachment 1) was sent to ASCO for review. From this review it was discovered that solenoid valves HV-8047, HV-8871 and HV-7126 contained acetal plastic parts and solenoid valves HV-3196, HV-3197, and LCV-1003 contained Buna N elastomer materials used as diaphragm, discs, and gaskets.

The solenoid valves on valves HV-8047, HV-8871, HV-7126, and LCV-1003 were replaced with solenoid valves not containing acetal plastic parts or Buna N materials. Attachment 2 is an updated list of ASCO solenoid valves in containment reflecting current solenoid valve catalog numbers.

Alabama Power Company has ensured that for all ASCO solenoid valves except HV-3196 and HV-3197 (Attachment 2):

- (1) No parts of any solenoid valve contain acetal plastic material.
- (2) No seals and gaskets of any solenoid valve contain Buna N material.
- (3) All coils of solenoid valves are either HT or HB.
- (4) All solenoid enclosures are at least a Nema 4 enclosure.
- (5) A preventive maintenance program is being established for ACSO solenoid valves.

For valves HV-3196 and HV-3197 Alabama Power Company plans to replace the solenoid valves with ones that contain no Buna N materials. It should be noted that a qualification test has been performed on HTX8210 solenoids by Fisher Valve. Results of this test indicate the HTX8210 solenoid can function for one hour at 320°F saturated steam and 12 hours at 288°F and be functionally and physically operable. This demonstrates closure of these valves can be achieved during accident conditions. Alabama Power Company has committed to keep valves HV-3196 and HV-3197 closed until they are fully qualified.

Also, during the walkdown of Farley-Unit 1 to determine types of solenoid valves, all of the solenoid valves for Henry Pratt 18" containment mini-purge valves were identified as containing high temperature coils, no acetal plastic parts, and no Buna N elastomer. This has been confirmed by Automatic Switch Company.

SOLENOID OPERATED VALVES IN FARLEY-UNIT 1 CONTAINMENT

<u>Valve Number</u>	<u>Catalog Number</u>	<u>Title</u>	
HV 3103	HTX8320A22V	Pressurizer Sample Lines	<u>ATTACHMENT 1</u>
HV 3104	HTX8320A22V	Pressurizer Sample Lines	
HV 3184	HTX8316C45V	CCW from RCP Thermal Barrier (Phase B)	
HV 3376	HTX8316C45V	CTMT Sump Discharge	
HV 3443	HTX8316C45V	CCW from Letdown Heat Exchanger	
HV 3765	HTX8320A22V	Reactor Loop Sample Line	
HV 3766	HTX8320A22V	Accumulator Sample Isolation	
HV 3196	HTX8210	CTMT Purge Isolation	
HV 2866B	HTX8316C15E	Mini Purge Isolation	
HV 2867B	HTX8316C15E	Mini Purge Isolation	
HV 3179A	HTX8320A22V	Steam Generator 1A Blowdown Sample Isolation	
HV 3179B	HTX8320A22V	Steam Generator 1A Blowdown Sample Isolation	
HV 3180A	HTX8320A22V	Steam Generator 1B Blowdown Sample Isolation	
HV 3180B	HTX8320A22V	Steam Generator 1B Blowdown Sample Isolation	
HV 3181A	HTX8320A22V	Steam Generator 1C Blowdown Sample Isolation	
HV 3181B	HTX8320A22V	Steam Generator 1C Blowdown Sample Isolation	
HV 3101	HTX8320A22V	Reactor Coolant Hot Leg	
HV 3102	HTX8320A22V	Reactor Coolant Hot Leg	
HV 3880	HTX8320A22V	Pressure Steam Space Sample	
HV 3881	HTX8320A22V	Pressure Liquid Space Sample	
HV 3179C	HTX8320A22V	Steam Generator 1A Blowdown	
HV 3180C	HTX8320A22V	Steam Generator 1B Blowdown	
HV 3181C	HTX8320A22V	Steam Generator 1C Blowdown	
HV 3162	HTX8320A22V	Accumulator Tank 1 Sample	
HV 3163	HTX8320A22V	Accumulator Tank 2 Sample	
HV 3164	HTX8320A22V	Accumulator Tank 3 Sample	
*HV 8047	LBX8316540	Pressurizer Relief Tank to Waste Processing System	
HV 8149A	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
HV 8149B	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
HV 8149C	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
*HV 8871	FTX831654	Accumulator Tank Test Line	
*HV 7126	FTX831654	Reactor Coolant Drain Tank Heat Exchanger Line	
HV 3197	HTX8210	CTMT Purge Isolation	
*LCV 1003	WPHB8300B64RF	Reactor Coolant Drain Tank Heat Exchanger Discharge	
HV 3766	HTX8320A21V	Accumulator Tank Sample	

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*Solenoids Replaced.

SOLENOID OPERATED VALVES IN FARLEY-UNIT 1 CONTAINMENT

<u>Valve Number</u>	<u>Catalog Number</u>	<u>Title</u>	<u>ATTACHMENT 2</u>
HV 3103	HTX8320A22V	Pressurizer Sample Lines	
HV 3104	HTX8320A22V	Pressurizer Sample Lines	
HV 3184	HTX8316C45V	CCW from RCP Thermal Barrier (Phase B)	
HV 3376	HTX8316C45V	CTMT Sump Discharge	
HV 3443	HTX8316C45V	CCW from Letdown Heat Exchanger	
HV 3765	HTX8320A22V	Reactor Loop Sample Line	
HV 3766	HTX8320A22V	Accumulator Sample Isolation	
HV 3196	HTX8210	CTMT Purge Isolation	
HV 2866B	HTX8316C15E	Mini Purge Isolation	
HV 2867B	HTX8316C15E	Mini Purge Isolation	
HV 3179A	HTX8320A22V	Steam Generator 1A Blowdown Sample Isolation	
HV 3179B	HTX8320A22V	Steam Generator 1A Blowdown Sample Isolation	
HV 3180A	HTX8320A22V	Steam Generator 1B Blowdown Sample Isolation	
HV 3180B	HTX8320A22V	Steam Generator 1B Blowdown Sample Isolation	
HV 3181A	HTX8320A22V	Steam Generator 1C Blowdown Sample Isolation	
HV 3181B	HTX8320A22V	Steam Generator 1C Blowdown Sample Isolation	
HV 3101	HTX8320A22V	Reactor Coolant Hot Leg	
HV 3102	HTX8320A22V	Reactor Coolant Hot Leg	
HV 3880	HTX8320A22V	Pressure Steam Space Sample	
HV 3881	HTX8320A22V	Pressure Liquid Space Sample	
HV 3179C	HTX8320A22V	Steam Generator 1A Blowdown	
HV 3180C	HTX8320A22V	Steam Generator 1B Blowdown	
HV 3181C	HTX8320A22V	Steam Generator 1C Blowdown	
HV 3162	HTX8320A22V	Accumulator Tank 1 Sample	
HV 3163	HTX8320A22V	Accumulator Tank 2 Sample	
HV 3164	HTX8320A22V	Accumulator Tank 3 Sample	
* HV 8047	HTX8316C15E	Pressurizer Relief Tank to Waste Processing System	
HV 8149A	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
HV 8149B	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
HV 8149C	206-381-6RF	Chemical and Volume Control System Letdown Heat Exchanger Line	
* HV 8871	HTX3316C15E	Accumulator Tank Test Line	
* HV 7126	HTX8316C15E	Reactor Coolant Drain Tank Heat Exchanger Line	
HV 3197	HTX8210	CTMT Purge Isolation	
* LCV 1003	206-381-6RF	Reactor Coolant Drain Tank Heat Exchanger Discharge	
HV 3766	HTX8320A21V	Accumulator Tank Sample	