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AUTH. NAME AUTHOR AFFILIATION
KEISER, H. W. Pennsylvania Power & Light Co.
RECIP. NAME RECIPIENT AFFILIATION
BUTLER, W. R. Project Directorate I-2

SEE Repls

SUBJECT: Forwards Rev 4 to ISI-T-100.0, "Unit 1 Inservice Insp Program Plan for Pump & Valve Operational Testing" & Rev 1 to ISI-T-200.0, "Unit 2 Inservice Insp Program Plan for Pump & Valve Operational...." Justification for changes encl.

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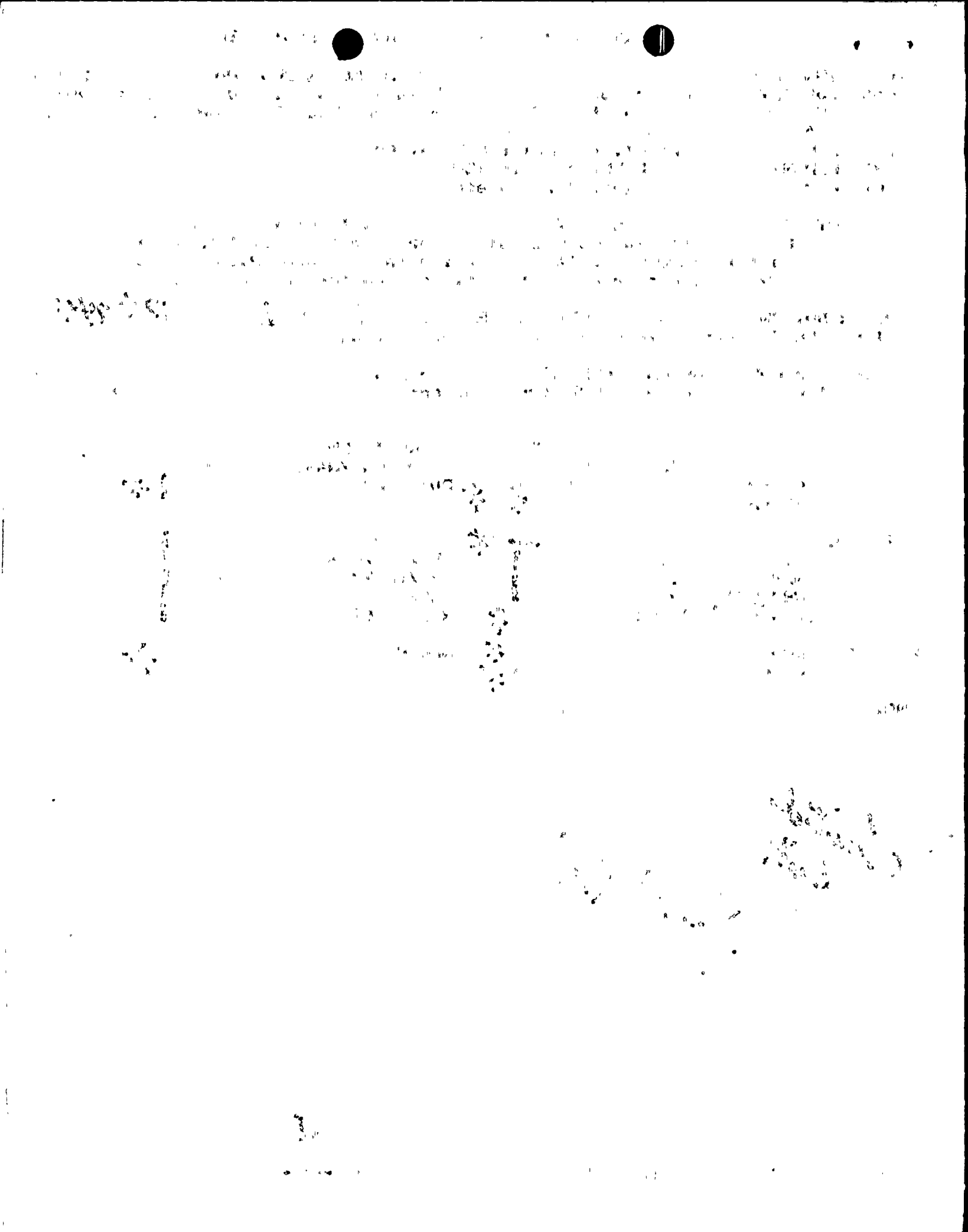

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215/770-7502

SEP 08 1987

Director of Nuclear Reactor Regulation
Attn.: Dr. W. R. Butler, Project Director
Project Directorate I-2
Division of Reactor Projects
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
REVISIONS TO UNIT 1 AND UNIT 2
PUMP AND VALVE ISI PROGRAMS
PLA-2899 FILES R41-2, A17-16

Docket Nos. 50-387
and 50-388

Reference: PLA-2319, N.W. Curtis to A. Schwencer, "Unit 1 & Unit 2 Pump and Valve ISI Programs," December 31, 1984.

Dear Dr. Butler:

Attached are Revision 4 to the SSES Unit 1 Pump and Valve Inservice Inspection Program and Revision 1 to the Unit 2 Pump and Valve Inservice Inspection Program. Justifications for changes to the programs previously submitted under the referenced letter are also attached.

Very truly yours,

H. W. Keiser
Vice President - Nuclear Operations

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Attachment 1: Justifications for changes to the Unit 1 Pump and Valve ISI Program.

Attachment 2: Justifications for changes to the Unit 2 Pump and Valve ISI Program.

Attachment 3: SSES Unit 1 Inservice Inspection Program Plan for Pump and Valve Operational Testing.

Attachment 4: SSES Unit 2 Inservice Inspection Program Plan for Pump and Valve Operational Testing.

cc: NRC Document Control Desk (original)
NRC Region I
Mr. L. R. Plisco, NRC Resident Inspector
Mr. M. C. Thadani, NRC Project Manager
Mr. R. A. McBrearty, NRC Region I

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 1 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	ADMINISTRATIVE	
2	Change of reference to procedure numbers from old SI-199-205 to new SI-199-206,207,208,209,210, 211.	Reflection of new procedures.
5	Correction of typo.	Correction.
18	Correction of Code Class for 4 Diesel Oil Transfer System Valves.	Correction.
35,39	Correction of RPI status for 4 RHR System valves PV-151F051A/B and HV-151F053A/B.	Correction.
47	Correction of ASME Code Classification for 11 CAC System containment vacuum breakers.	Correction.
48,49,50	Correction of P&ID drawing Coordinates for 20 CAC System valves.	Correction.
1 thru 125	Assignment of document number ISI-T-100.0.	Enhancement of the status of this Program Plan as a QA Controlled document.
60	Correction of ASME Code Classification for 4 Diesel Oil Transfer pumps.	Correction.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 1 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	VALVE TABLES	
10	Addition of reference to Relief Request 27 for 8 ESW System valves.	Addition of new EDG 0G501E.
11	Deletion of 4 ESW System valves HV-01101A/B/C/D.	Conversion of these 4 valves from power to manual operation.
11,12	Addition of reference to Relief Request 57 for 16 ESW System valves.	Addition of new EDG 0G501E.
14	Addition of all parameters for 6 ESW System valves.	Addition of new EDG 0G501E.
18	Additional of all parameters for 1 Diesel Oil Transfer System valve 0-20-300.	Addition of new EDG 0G501E.
19	Deletion of 1 CIG System valve 1-26-070.	Clarification of status of this valve as no Containment Isolation valve for penetration X-218, as established by FSAR Table 6.2-12.
24	Addition of all parameters for 2 Feedwater System valves HV-14182 A/B.	Addition to plant of these 2 new feedwater system valves.
29	Deletion of 2 RWCU System valves HV-144F042 and HV-144F104.	Reassignment of specified safety function from these 2 valves to new Feedwater System valves HV-14182 A/B.
30	Addition of all parameters for 2 CRD System valves XV-147F180 and XV-147F181.	Addition to plant of these 2 new CRD SDV vent/drain valves.
32	Change of limit stroke time and addition of reference to Relief Request 38 for RCIC System Valve FV-149F019.	Reflection of rapid-acting nature of this valve and conformance to FSAR table 6.2-12.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 1 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	VALVE TABLES (CONTINUED)	
33	Addition of reference to relief Request 38 for RCIC System Valve HV-149F088.	Reflection of rapid acting nature of this valve.
34,37	Change of limit stroke times for 4 RHR System valves HV-151F004A/B/C/D.	Conformance to FSAR Table 6.2-12.
34,37	Change of limit stroke times for 2 RHR System valves HV-151F007A/B.	Conformance to FSAR Table 6.2-12.
34,38	Change of limit stroke times for 2 RHR System valves HV-151F011A/B.	Conformance to FSAR Table 6.2-12 and plant Techical Specification Table 3.6.3-1.
34,38	Change of limit stroke times for 2 RHR System valves HV-151F017A/B.	Conformance to GE-NEBO specification 22A2271AX.
45	Addition of reference to Relief Request 38 for HPCI System valve HV-155F100.	Reflection of rapid acting nature of this valve.
47,48	Change of limit stroke times for 11 CAC System valves and addition of specification for closure test only.	Conformance to FSAR Table 6.2-12 and plant Technical Specification Table 3.6.3-1.
49,50	Addition of all parameters for 2 CAC System valves SV-15738 and SV-15789.	Addition of these 2 valves to the unit.
52	Deletion of 2 CSCW System Valves HV-08613A/B and addition of 2 CSCW System valves HV-08693A/B.	Update to reflect modification of plant configuration.
	PUMP TABLE	
60	Addition of all parameters for Diesel Oil Transfer System Pump OP514E.	Addition of new EDG 0G501E.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 1 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	RELIEF REQUESTS	
75	Changes to Relief Request 13 component function and to proposed alternate testing method.	Disassembly inspection of the 2 FPCC System check valves would, by plant administrative procedure, require post-assembly pressure testing, which is impractical. Pneumatic open flowpath testing is the only practical test method, due to constraints of system configuration.
79,80	Changes to Relief Request 17 proposed alternate testing description.	Corrections to the description of testing of CRD HCU check valves #115 and #138.
81	Change to Relief Request 18 proposed alternate testing description.	Update to reflect revision to plant Technical Specification 4.1.5.
82	Change to Relief Request 19 proposed alternate testing description.	Update to reflect revision to plant Technical Specification 4.1.5.
86	Change to Relief Request 22 basis for relief.	Correction of basis for relief by deletion of reference to local leak rate testing.
93	Changes to Relief Request 27 listing of applicable valves and to proposed alternate testing frequency.	Addition of new EDG 0G501E and redefinition of the testing interval in equivalent, but more practical terms.
101	Addition to Relief Request 35 proposed alternate testing description.	Clarification of the Relief Request to formally establish the basis used for evaluation of containment isolation valve leak test results.

JUSTIFICATIONS FOR CHANGES TO THE UNIT 1 PUMP AND VALVE ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	RELIEF REQUEST (CONTINUED)	
106	Changes to Relief Request 40 listing of applicable valves.	Update to reflect modification of plant configuration.
114	Additions to Relief Request 47 listing of applicable pumps and valves.	Addition of new EDG 0G501E.
118	Changes to Relief Request 51 proposed alternate testing frequency.	Redefinition of the testing interval to include a tolerance on duration.
122,123	Addition of new Relief Request 55.	The accuracy of the plant suction pressure gages in use are adequate for these tests.
124	Addition of new Relief Request 56.	Current design of ESW System precludes application of the test method of IWP-3100, without modification.
125	Addition of new Relief Request 57.	Addition of new EDG 0G501E.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 2 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	ADMINISTRATIVE	
2	Change of reference to procedure numbers from old SI-299-205 to new SI-299-206,207,208,209,210, 211.	Reflection of new procedures.
5	Correction of typo.	Correction.
9	Correction of size of 2 valves 2-10-109 and 2-10-112.	Correction.
31,34	Correction of RPI status for 4 RHR System valves PV-251F051A/B and HV-251F053A/B.	Correction.
43	Correction of ASME Code Classification for 10 CAC System containment vacuum breakers.	Correction.
44-47	Correction of P&ID drawing Coordinates for 20 CAC System valves.	Correction.
116,117	Addition of Blank Pages for new Relief Requests 56 and 57.	Conformance to Unit 1 Program Plan ISI-T-100.0.
1 thru 117	Assignment of document number ISI-T-200.0.	Enhancement of the status of this Program Plan as a QA Controlled document.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 2 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	VALVE TABLES	
14	Deletion of 1 CIG System valve 2-26-070.	Clarification of status of this valve as no Containment Isolation valve for penetration X-218, as established by FSAR Table 6.2-12.
19	Addition of all parameters for 2 Feedwater System valves HV-24182 A/B.	Addition to plant of these 2 new feedwater system valves.
25	Deletion of 2 RWCU System valves HV-244F042 and HV-244F104.	Reassignment of specified safety function from these 2 valves to new Feedwater System valves HV-24182 A/B.
26	Addition of all parameters for 4 CRD System valves XV-247F010 A/B and XV-247F011 A/B.	Addition to plant of the 2 new CRD SDV vent/drain valves and redesignation of the 2 existing CRD SDV vent/drain valves.
28	Change of limit stroke time and addition of reference to Relief Request 38 for RCIC System Valve FV-249F019.	Reflection of rapid acting nature of this valve and conformance to FSAR table 6.2-12.
29	Addition of reference to relief Request 38 for RCIC System Valve HV-249F088.	Reflection of rapid acting nature of this valve.
30,33	Change of limit stroke times for 4 RHR System valves HV-251F004A/B/C/D.	Conformance to FSAR Table 6.2-12.
30,33	Change of limit stroke times for 2 RHR System valves HV-251F007A/B.	Conformance to FSAR Table 6.2-12.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 2 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	VALVE TABLES (CONTINUED)	
30,33	Change of limit stroke times for 2 RHR System valves HV-251F011A/B.	Conformance to FSAR Table 6.2-12 and plant Technical Specification Table 3.6.3-1.
30,33	Change of limit stroke times for 2 RHR System Valves HV-251F017A/B.	Conformance to GE-NEBO specification 22A2271AX.
41	Addition of reference to Relief Request 38 for HPCI System valve HV-255F100.	Reflection of rapid acting nature of this valve.
46	Change of limit stroke times for CAC System valve HV-25766.	Conformance to FSAR Table 6.2-12 and plant Technical Specification Table 3.6.3-1.

JUSTIFICATIONS FOR CHANGES
TO THE UNIT 2 PUMP AND VALVE
ISI PROGRAM

Page Number(s)	Description of Change	Justification for Change
	RELIEF REQUESTS	
68	Changes to Relief Request 13 component function and to proposed alternate testing method.	Disassembly inspection of the 2 FPCC System check valves would, by plant administrative procedure, require post-assembly pressure testing, which is impractical. Pneumatic open flowpath testing is the only practical test method, due to constraints of system configuration.
72,73	Changes to Relief Request 17 proposed alternate testing description.	Corrections to the description of testing of CRD HCU check valves #215 and #238.
74	Change to Relief Request 18 proposed alternate testing description.	Update to reflect revision to plant Technical Specification 4.1.5.
75	Change to Relief Request 19 proposed alternate testing description.	Update to reflect revision to plant Technical Specification 4.1.5.
79	Change to Relief Request 22 basis for relief.	Correction of basis for relief by deletion of reference to local leak rate testing.
94	Addition to Relief Request 35 proposed alternate testing description.	Clarification of the Relief Request to formally establish the basis used for evaluation of containment isolation valve leak test results.
114,115	Addition of new Relief Request 55.	The accuracy of the plant suction pressure gages in use are adequate for these tests.