

8102100518

TABLE 1(Sheet 1 of 4) Revision 2 1/30/81

Equipment	W-EQDP Reference	Manufacturer	System	Test Location		Scheduled Testing				Scheduled Documentation Submittal to the NRC
						Thermal Aging	Radiation	Seismic	HELB	
Safety Related Valve Electric Motor Operators	HE-1 & 4	Limitorque	CVCS SIS CCS RHRS	Limitorque Isomedix Acton	Start Complete	9-29-80	10-28-80	12-01-80	1-26-81	3-23-81
						10-07-80	12-01-80	12-16-80	2-16-81	
Safety Related Solenoid Valves	HE-2 & 5	ASCO	CVCS SIS RCS WPS SS SGBP RHR	ASCO Isomedix Acton	Start Complete	10-22-80	2-02-81	12-20-80	2-16-81	3-31-81
						11-14-80	2-13-81	1-30-81	3-06-81	
Safety Related Externally Limit Switches	HE-3	NAMCO	CVCS SIS CSS RHR RCS	NAMCO ACDC Georgia Tech	Start Complete	-----	Completed	-----	-----	3-31-81
	HE-6	NAMCO	WPS SS SGBP		Start Complete	-----	Completed	-----	-----	3-31-81
Pressure Transmitters Group A	ESE-1	Barton	RPS PAM	Barton W-Forest Hills W-AESD ISOMEDIX	Start Complete	7-22-80	2-09-81	3-01-81	3-15-81	4-30-81
						1-15-81	2-15-81	3-15-81	4-15-81	
Pressure Transmitters Group B	ESE-2	Barton	RPS PAM	Barton W-Forest Hills W-AESD ISOMEDIX	Start Complete	-----	Completed	-----	-----	6-16-80 NS-TMA-2258
Differential Pressure Group A	ESE-3	Barton	RPS PAM	W-Forest Hills W-AESD ISOMEDIX	Start Complete	7-22-80	2-09-81	3-01-81	3-15-81	4-30-81
						1-15-81	2-15-81	3-15-81	4-15-81	
Differential Pressure Transmitter Group B	ESE-4	Barton	PAM RPS	W-Forest Hills W-AESD ISOMEDIX	Start Complete	-----	Completed	-----	-----	6-16-80 NS-TMA-2259
Resistance Temperature Detector (BC-Bypass)	ESE-5	RdF	RPS	W-Forest Hills W-AESD ISOMEDIX SURGICUT Univ. of Buffalo	Start Complete	5-19-80	6-27-80	9-24-80	1-26-81	3-31-81
						6-13-80	7-23-80	10-22-80	2-28-81	
Resistance Temperature Detector (Well-mounted)	ESE-6	RdF	PAMS	W-Forest Hills W-AESD ISOMEDIX SURGICUT Univ. of Buffalo	Start Complete	5-19-80	6-27-80	9-24-80	1-26-81	3-31-81
						6-13-80	7-13-80	10-22-80	2-28-81	

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Equipment	W-EQDP Reference	Manufacturer	System	Test Location	Start	Scheduled Testing				Scheduled Documentation Submittal to the NRC
						Thermal Aging	Radiation	Seismic	HEIB	
Resistance Temperature Detectors (Fast response)	ESE-7	RdF	RPS	W-Forest Hills W-AESD ISOMEDIX SURGICUT Univ. of Buffalo	Start Complete	5-19-80 6-13-80	6-27-80 7-13-80	9-24-80 10-22-80	1-26-81 2-28-81	3-31-81
Excore Neutron Detectors (Source)	ESE-9**	W-IGTD	RPS	W-Forest Hills W-AESD W-IGTD	Start Complete	————— 4th Quarter 1981 —————				1st Quarter 1982
Nuclear Instrumentation System (NIS)	ESE-10*	W-ID	RPS	W-AESD W-ID	Start Complete	————— Completed —————				6-16-80 NS-TMA-2257
Source Range Preamplifier (Outside Containment)	ESE-11**	W-ID	RPS	W-Forest Hills W-AESD W-ID	Start Complete	————— 4th Quarter 1981 —————				1st Quarter 1982
Main Control Board Switch Modules	ESE-12	Electroswitch	RPS ESF	W-AESD	Start Complete	————— 1st Quarter 1981 —————				4-10-81
Process Protection System	ESE-13	W-ISO	RPS	W-AESD	Start Complete	————— Completed —————				1-28-81 NS-TMA-2380
Indicators	ESE-14	W-RTD	PAM	W-AESD	Start Complete	————— Completed —————				1-26-81 NS-TMA-2373
Recorders	ESE-15	W-CID	PAM	W-AESD	Start Complete	————— Completed —————				6-16-80 NS-TMA-2260
Solid State Protection System & Safeguard Test Cabinet (2 Train)	ESE-16	W-ID	RPS ESF	W-AESD W-ID	Start Complete	————— Completed —————				1-16-81 NS-TMA-2368
Solid State Protection System & Safeguard Test Cabinet (3 Trains)	ESE-17	W-ID	RPS ESF	W-AESD W-ID	Start Complete	————— Completed —————				2nd Quarter 1981
Instrument Bus Power Supply (Static Inverter) 7.5 KVA	ESE-18	W-PED	Electrical Power Supply	W-AESD	Start Complete	————— Completed —————				7-31-80 NS-TMA-2280
Instrument Bus Distribution Panel 7.5 KVA	ESE-19	W-PED	Electrical Power Supply	W-AESD	Start Complete	————— Completed —————				1-26-81 NS-TMA-2372

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Equipment	W-EQOP Reference	Manufacturer	System	Test Location		Scheduled Testing				Scheduled Documentation Submittal to the NRC
						Thermal Aging	Radiation	Seismic	HEIB	
Reactor Trip Switch gear	ESE-20	W-LVSD	RPS	W-AESD	Start Complete	Completed				9-30-80 NS-TMA-2309
Pressure Sensor	ESE-21	Barton	RPS PAMS	Barton W-Forest Hills W-AESD ISOMEDIX	Start Complete	7-22-80 1-15-81	2-09-81 2-15-81	3-01-81 3-15-81	3-15-81 4-15-81	4-30-81
4 Section Excore Neutron Detector	ESE-22	W-IGTD	RPS	W-IGTD W-AESD	Start Complete	8-20-80 9-15-80	9-20-80 10-05-80	12-01-80 12-31-80	2-02-81 2-06-81	2-16-81
Loop Stop Value Cabinet	ESE-23	W-ID	RPS	Analysis Only	Start Complete	Not Scheduled				
RCP Speed Sensor	ESE-24	W-ISO Electro Corp.	RPS	W-ISO	Start Complete	Not Scheduled				
Main Control Board	ESE-25	W-CID	RPS ESF PAM	W-AESD	Start Complete	3rd Quarter 1980				6-12-81
Reactor Trip Switch gear	ESE-26	W-LVSD	RPS	W-AESD	Start Complete	Not Scheduled				
Nitrogen-16 Detector	ESE-27	W-IGTD	RPS	W-IGTD W-AESD	Start Complete	9-15-80 10-01-80	10-05-80 10-18-80	10-22-80 11-05-80	11-10-80 12-01-80	3-31-81
Rod Position Detector	ESE-28	Productos Electronicos, Inc. Puerto Rico	RPS	W-AESD W-R&D	Start Complete	Not Scheduled				
Rod Position Data Cabinet	ESE-29	W-ID	RPS	W-AESD	Start Complete	Not Scheduled				
Integrated Protection Cabinet	ESE-30	W-ISO	RPS	W-AESD W-ISO	Start Complete	3rd Quarter 1981				
Integrated Logic Cabinet	ESE-31	W-ISO	RPS	W-AESD W-ISO	Start Complete	3rd Quarter 1981				
Field Termination Cabinet	ESE-32	W-ISO	RPS	W-AESD	Start Complete	Not Scheduled				
Instrument Bus Distribution Panel	ESE-33	W-AESD	Electrical Power Supply	W-AESD	Start Complete	Not Scheduled				
Instrument Bus Distribution Panel	ESE-34	W-AESD	Electrical Power Supply	W-AESD	Start Complete	Not Scheduled				

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Equipment	W-EQDP Reference	Manufacturer	System	Test Location		Scheduled Testing				Scheduled Documentation Submittal to the NRC
						Thermal Aging	Radiation	Seismic	HELB	
Instrument Power Supply	ESE-35	W-AESD	Electrical Power Supply	W-AESD	Start Complete	-----	Not Scheduled	-----		
Source Range Preamplifier (In-Containment)	ESE-36	W-ID	RPS	W-Forest Hills W-AESD	Start Complete	-----	4th Quarter 1981	-----		3-30-82
PAMS Demultiplexer	ESE-37	W-ISD	PAM	W-AESD	Start Complete	-----	Not Scheduled	-----		
Control Board Multiplexer	ESE-38	W-ISD	RPS ESF	W-AESD	Start Complete	-----	Not Scheduled	-----		
Fiber Optic Cable	ESE-39	W-ISD Siemens Amphenol	RPS	W-ISD	Start Complete	-----	Not Scheduled	-----		
Safety Related Pump Motors	AE-1 (Medium)	W-MM&G		W-AESD ISOMEDIX W-R&D	Start Complete	-----	4th Quarter 1980 2nd Quarter 1981	-----		5-30-81
	AE-2 (Large)	W-LMD Buffalo	CVCS EBS SIS RHRS CCWS CSS	W-AESD ISOMEDIX	Start Complete	-----	3rd Quarter 1980 1st Quarter 1981	-----		3-30-81
	AE-3 (Canned)	Chempump		W-AESD Lockheed Permagrain	Start Complete	-----	1978 1st Quarter 1981	-----		3-30-81
	AE-4 (EBS)	WEIR		---	Start Complete	-----	Not Scheduled	-----		
Hydrogen Recombiner	SP-1	W-Sturtevant		W-AESD W-Canada Inc.	Start Complete	-----	Completed	-----		Accepted NRC LTR 6-22-78
Aging Program - Phase I Results										3-30-81

*Boron dilution fix requires qualification of the source range drawer. Testing will be completed by the 4th quarter 1981. Qualification Report will be revised the 1st quarter 1982.

**This effort addresses the Boron dilution fix.

NOTES:

CVCS = Chemical Volume Control System
 SIS = Safety Injection System
 WPS = Waste Processing System
 S&BP = Steam Generator Blowdown (Waste) Processing (System)
 RHR = Residual Heat Removal (System)
 PAM = Post Accident Monitoring

RPS = Reactor Protection System
 ESF = Engineered Safeguard Feature
 RCS = Reactor Coolant System
 SS = Sampling System
 CSS = Containment Spray System
 EBS = Emergency Boration System
 CCWS = Component Cooling Water System