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ANNUAL REPORT OF CHANGES TO STATION FACILITIES AND PROCEDURES

R. E. GINNA NUCLEAR POWER PLANT, UNIT NO. 1

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<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
01	QC-1502, Nonconformance Reports	02
02	QC-1701, Quality Assurance Records	02
05	QC-401, Control of Procurement Documents for Purchased Material, Parts, Components and Services	02
04	PT-19, Test of Accoustical Leak Monitoring System for Ginna Safety Injection Piping	03
03	PT-2.3, Safeguard Valve Operation	03
06	A-30.2, Plant Procedure Classification Review, Approval and Distribution Requirements	03
22	M-55.5, Full Length Rod Control System Drive Mechanism Operating Coils Polarity Check	04
27	M-51.4 Performance Check of Latch Mechanism for Relay LC-171CX	04
31	EM-197, Repair of Weld on "B" Charging Pump Discharge Line to Relief Valve 284	05
17	A-52.4, Control of Limiting Conditions for Operating Equipment	06
25	M-11.4.4, Charging Pump Varidrive Belt Removal and Installation	07
07	EM-19 Inspection and Maintenance on 14" Pratt Butterfly Valve - Operator Only - Valve 4562 (Containment Recirculation System - Cooling Water Return Line)	07
21	M-18.2, Waste Evaporator Feed Tank Float Valve Maintenance	07
32	E-1.1, Safety Injection System Actuation	07
23	A-50.11.3, Fire Watch/Escort Training	07
29	A-50.11.4, General Employee Fire Training	07
14	A-50.3, Preventive Maintenance Program	07
16	0-6.7.1, Plant Alarm Panels Test	07
18	0-6.4, Core Quadrant Power Tilt Calculation	07

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
15	0-6.1 Plant Operation with S/G Tube Leak Indication	07
24	S-3.2G, Transfer of Boric Concentrates	07
11	SC-3.17.1, Planning Conduct and Evaluation of a Fire Emergency Drill	07
28	QC-401, Control of Procurement Documents for Purchased Material, Parts, Components and Services	07
19	RSSP-2.3, Emergency D/G Annual Trip Testing	07
34	O-1.1C, Pre-Critical Technical Specification Check Sheet	07
12	QC-1021, Calibration and Control of Test Equipment	07
08	GS-21.0, Site Access Control (Security) and Personnel Identification	07
33	A-61, Method of Evaluation for Reporting Requirements in Basic Components Under 10 CFR 21	07
35	M-55.5, Full Length Rod Control System Drive Mechanism Operating Coils Polarity Check	07
36	GS-31.0, Door Alarm System	07
09	GS-20.0, Classification of Ginna Station Photo ID Cards and Non-Photo Badges	07
37	PT-4, Residual Heat Removal Loop Annual Hydro Test of Low Pressure Piping	07
40	CP-44.2, General Reinstate Procedure for N-44	08
41	PT-16, Auxiliary Feedwater System	08
26	M-11.4.9, Charging Pump Varidrive Belt Removal and Installation	08
39	SC-1.12B, Station Call List	08
43	M-37.16A, Manually Operated Grinnell Diaphragm Valve Maintenance	08

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting #78</u>
30	RSSP-12, Testing of Primary and Secondary Relief Valves on Test Stand	08
47	RD-9, Preparing Waste for Shipment or Storage	08
48	RD-10, Shipping Radioactive Material	08
46	0-5.2, Load Increases	08
79	0-1.1C, Pre-Critical Technical Specification Check Sheet	09
None	SM 78-1458, Auxiliary Building Holding Frame Filter	10
None	SM 78-1845, Guide Stud Storage Rack	10
None	SM 78-1865, "A" Steam Generator Air Mover Restraint	10
None	SM 78-1480, Auxiliary Reactor Coolant Pump Handrails	10
None	SM 78-1464, Volume Control Tank Level (Accumulator Level)	10
None	SM 78-2160, GSM 7 Pipe Supports	10
81	S-25.4, Processing Water from Either S/G	10
62 & 65	S-4.5, Sluicing Water Condensate Polishing Demineralizer Spent Resin to Shipping Cask	10
63	CP-930.0, Calib. and/or Maint of Spray Additive Tank Inlet Flow Transmitter Loop	10
64	CP-424.3, Calib. and/or Maint. of Pressurizer Liquid Temp. Indicator TI-424	10
51	HP-4.3, Work Permit Use	10
42	PC-18.3, Determination of Chloride by Specific Ion Electrode	10
45	S-27.294/296/392A, Isolation Procedure for AOV-294, AOV-296 or AOV-392A	10
77	HP-12.6, Issuance, Proper Use and Return of Respirators	10

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
60	A-52.4, Control of Limiting Conditions for Operating Equipment	10
52	A-53.1, Equipment Inspection Period and Lubricant List	10
54	A-53.0, Preventive Maintenance Program	10
69	A-49, Station Security	10
53	A-53.2, Three Month Lubrication and Maintenance Inspection	10
55	PT-2.8, Component Cooling Water Pump System	10
74	PT-13.1.13, Deluge Valve System Testing System Numbers 1, 2, 11	10
75	PT-13.1.5, Flood Valve System Testing System Numbers 3, 4, 5, 6	10
82	PT-17.1, Area Radiation Monitors	10
84	A-58, Installation of Power, Control or Instrumentation Cables at Ginna	10
44	M-37.3, Maintenance on Copes-Vulcan Diaphragm Operated Control Valves for AOV-_____	10
58 & 59	GS-18.1, Conduct of on-the-job Training of Guards	10
61	GS-9.0, Walkie-Talkie Procedure for the Security Force	10
67	GS-30.0, Threatening Phone Call or Bomb Threat Procedure	10
68	GS-32.0, Civil Disturbance Procedure	10
66	GS-3.0, Security Call List	10
76	PC-14.1, Boron in WEFI and WHUT Waters	10
None	Liquid Waste Release #67	11
70	0-6.10, Plant Operation with Steam Generator Tube Leak Indication	11
81	S-25.4, Processing Water from Either Steam Generator	11

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
91	PT-2.5, Air Operated Valves, Quarterly Surveillance	11
103	SM 77-13.2, Inspection of Containment Antenna Coaxial Cable	12
86	QC-603, Control of Drawings	12
88	A-55.1, Field Change Requests to Engineering Documents	12
109	QC-105, Indoctrination and Training of Modification Project Personnel	12
108	QC-402, Control of Procurement Documents for Materials and Services Purchased by the Ginna Modification Project	12
85	QC-606, Control of Engineering Documents	12
123	QC-304, Control of Modification Activities by the Ginna Modification Project	12
87	QC-202, Modification Project Organization	
100	0-1.1, Plant Heatup From Cold Shutdown to Hot Shutdown	12
101	PT-7, Hydro Test of Reactor Coolant System	12
102	0-2.2, Plant Shutdown From Hot Shutdown to Cold Shutdown	12
104	RD07, Liquid Waste Release	12
138	EM-154, Steam Generator _____ Handle Cover Gasket Leak Repair Using "Furmanite" Process	12
139	T-7C, Regeneration of Cation-Anion DI Unit	12
94	S-3.3A, Coolant Chemistry Addition Tank	12
97	EM-198, Replacement of the Buchanan Terminal Blocks for Pressurizer Pressure and Level Transmitters Terminations with a Westinghouse Style #542247 Terminal Block	12
106	PT-2.4, Cold Refueling Motor Operated Valve Surveillance	12

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
107	S-2.4A, Draining the Pressurizer (RCS Degassed)	12
24	S-3.3A, Coolant Chemistry Addition Tank	12
121	QC-101, Ginna QA Program Implementation	12
95	GS-1.2, Security Event Report	12
83	A-30.3, Plant Procedure Content and Format Requirements	12
111	0-6.11, Routine Operations Check Sheet	12
110	E-1.2, Loss of Coolant Accident	12
90	PT-2.6, Cold/Refueling Shutdown Air Operated Valve Surveillance	12
89	PT-2.5, Air Operated Valves, Quarterly Surveillance	12
105	PT-6.2, NIS Intermediate Range Channels	12
98	PT-23.14, CV Air Sample Inlet	12
99	PT-23.20, RCDT Gas Header	12
49	M-29, Decontamination of R-18 Liquid Sampler	12
126, 129 & 141	0.2, Main Control Board System Status Verification	12
116	S-27.2776, Isolation of Valve 2276	13
114	S-3.1M, Isolation of Batching System	13
120	S-27.2, Isolation of CVCS Letdown Demineralizers and Associated Valves	13
119	S-27.1645A, Isolation of Waste Evaporator Return Valve 1654A	13
115	S-3.2J, Isolation of Reactor Coolant Filter and Associated Grinnell Diaphragm Valves (249, 250, 251, 248A 248B)	13
118	S-27.245, Isolation of Mixed Bed Demineralizer Bypass Valve 245	13

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
17	S-27.1610B, Isolation of Demineralizer Drain Valve 1610B	13
153	GS-26.1, Unoccupied Vital Area Key Control and Accountability	13
132	S-3.1G, Isolating, Flushing and Draining the "A" Boric Acid Storage Tank for Major Valve Tank or Piping Maintenance and Inspection	13
131	0-2.2, Plant Shutdown for Hot Shutdown to Cold Shutdown	13
130	0-2.4, Plant Shutdown from Hot Shutdown to Cold Shutdown During Blackout	13
128	0-5.1, Load Reductions	
127	0-5.2, Load Increases	
142	0-6.9, Operating Limits for Ginna Station Transmission	13
149	M-37.3.2, AOV-296, Auxiliary Spray to Pressurizer Maintenance	13
155	M-37.3.1, Maintenance Isolation Procedure for V-294 Charging Line to Cold Leg Loop "B"	13
140	S-3.4, Boron Recycle Process Operation	13
148	HP-3.1, Exposure Reports to Individuals and NRC	13
152	HP-8.4, Radioactive Source Inventory	13
151	PT-2.3.1, Post Accident Charcoal Filter Dampers	13
136	M-53, Containment Air Locks Inspection	13
135	M-40.7, Steam Generator Snubber Maintenance Snubber # _____	13
144	M-37.2, Maintenance of Pressurizer Relief Valve Guards	13
162	GS-21.2, Unoccupied Vital Area Access Control	13
161	GS-5.0, Security Guard General Instructions	13

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
147	RF.0, Site Removal of New Fuel Assemblies from Shipping Containers and Handling of Shipping Containers	13
157	HP-1.1, Issuing Personnel Dosimeters	14
158	HP-1.3, External Exposure Records	14
150	T-27.6, Diesel Fuel Oil Transfer Pump Isolation	14
145	T-27.4, Diesel Generator Operation	14
170	M-73.3, Welding on Carbon Steel Piping and Components	14
183	PT-16, Auxiliary Feedwater System	14
173 & 175	Reinstallation of Steam Generator Blowdown Restraint, SGB-28	14
165	SM 76-21.5, Battery Room Air Conditioning-Service Water Piping Installation	14
156	SM 76-21.4, Battery Room Air Conditioning-Air Conditioner Discharge Ducts, end of Battery Room	14
169	SM 76-21.6, Battery Room Air Conditioning-Air Supply Duct to the Air Conditioner	14
187A	SM 77-1832.1,	24
179	CP-31.0, Calibration and/or Maintenance of Source range N-31	14
178	CP-32.0, Calibration and/or Maintenance of Source Range N-32	14
160	SC-1.12A, Immediate Call List	14
159	SC-1.12B, Station Call List	14
174	A-61, Method of Evaluation for Reporting Requirements in Basic Components Under 10 CFR 21	14
172	HP-6.2, Posting of Contaminated and Airborne Areas	14

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
181	CP-31.3, Calibration of Source Range N-31	14
180	CP-32.3, Calibration of Source Range N-32	14
166	PC-1.1, Analysis Schedule and Limits Primary Coolant	14
189	A-54.3, Open Flame, Welding and Grinding Permit	14
78	SM 77-1057.1, Relocation of the Charging Pump Filter Vent	15
167	M-48.3, Isolation and Restoration of Bus #15	15
176	T-35F, Steam to Auxiliary Building, Screen House or Diesel Generators and Oil Room	15
184	T-31.8, Turbine Generator Bearing Drain Vapor Extractor Vent-Hydrogen Loss Calculation	15
93	HP-12.2, Medical Check, Fitting and Training of Personnel Using Respirators	15
113	M-11.4.6, Charging Pump Stuffing Box Maintenance	15
112	M-11.4.7, Charging Pump Stuffing Box Assembly Inspection and Maintenance	15
197	M-37.1A, Repacking of Pressurizer Spray Valves 431A and 431B	15
192	M-37.16B, Isolation of Batching System Grinnel Diaphragm Valves	15
190	M-37.16N, Repair of Demineralizer Drain Valve 1610B	15
191	M-37.16P, Repair of Valve 2276	15
188	GS-5.0, Security Guard General Instructions	15
195	GS-28, Inspection of Personnel, Vehicle and Packages	15
194	GS-21.0, Site Access Control (Security) and Personnel Identification	15
193	GS-41.0, Employee Screening Program	15
154	QC-304, Control of Modification Activities by the Ginna Modification Project	15

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
194 & 230	GS-21.0, Site Access Control (Security) and Personnel Identification	16
231	GS-5.0, Security Guard General Instructions	16
177	A-60.3, Calibration Survey Program for Instrumentation/ Equipment of Safety Related Components	16
186	RSSP-15.7, Inservice Inspection Hydro Test of Class B Safety Related Piping	16
205	M-37.16Q, Isolation of CVCS Letdown Demineralizers and Associated Grinnell Diaphragm Valves	17
206	M-37.16K, V-245 (Mixed Bed Demineralizer Bypass Valve) Isolation Draining and Restoration to Service	17
204	M-37.16G, Isolation of Waste Evaporator Return Valve 1654A	17
203	M-37.16F, Isolation of Reactor Coolant Filter and Associated Grinnell Diaphragm Valves	17
257	T-27.2, 1B Emergency Deisel Generator Pre-Start Alignment	17
250	SM 76-21.5, Battery Room Air Conditioning Service Water Piping Installation	17
249	QCIP-15, Visual Inspection During Hydro-Static and System Pressure Testing	17
238	GS-21.0, Site Access Control (Security) and Personnel Identification	17
220	PT-2.7, Service Water System	17
228	GS-26.0, Security Key and Lock Controls	17
223	HP-9.1, Steam Generator Blowdown Activity	17
221	RD-3, Plant Vent Iodine and Particulate Release Sampling and Analysis	17
235	A-1, Radiation Control Manual	17
210	AR/C-3, Accumulator 1A Level	17
211	AR/C-4, Accumulator 1B Level	17

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
207	AR/E-27, NIS Power Range Single Channel Lo Range Alert	17
213	AR/D-20, Pressurizer Lo Pressure	17
208	AR/D-15, Reactor Coolant Lo Flow Undervoltage Underfrequency Loop A	17
214	AR/D-23, Reactor Coolant Lo Flow Undervoltage Underfrequency Loop B	17
209	AR/D-10, NIS Power Range Lo Range Reactor Trip	17
215	AR/D-19, Pressurizer Lo Pressure and Level	17
200	M-73.3, Welding on Carbon Steel Piping or Components	17
201	M-73.2, Welding on Stainless Steel Piping or Components	17
243	QCIP-3, Receiving Inspection of New Fuel	19
242	QCIP-2, Pre-closure Core Verification	19
237	GS-31.1, Door Alarm Assessment and Response - High Radiation Areas	19
185	PR-7, Protective Relay Calibration and Trip Test #12A Transformer, 34KV and 4KV Bus Relaying	19
262	SM 76-21.6, Battery Room Air Conditioning - Air Supply Duct to the Air Conditioner	19
297	PT-7 , Hydro Test of Reactor Coolant System	19
300	SM 76-21.4, Battery Room Air Conditioning - Air Conditioner Discharge Duct South End of Battery Room	19
292	S-3.4B, Gas Stripper Startup	19
266	CP-2.3, Rod Position Indication System "Shutdown" Bank Hot Shutdown Alignment	19
266	CP-2.3.1, Rod Position Indication System "Shutdown" Bank at Power Alignment	19
289	A-30.2, Plant Procedure Classification, Review Approval and Distribution Requirements	19
264	GS-20.0, Classification of Ginna Station Photo ID Cards and Non-Photo Badges	19

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
251	A-17, Plant Operations Review Committee Operating Procedure	19
240	A-30.3, Plant Procedure Content and Format Requirements	19
288	A-50.11.3, Firewatch/Escort Training	19
270	CP-2.5.0, Rod Position Indication System "A" Bank Hot Shutdown Alignment	19
269	CP-2.4.1, Rod Position Indication System "Part Length" Bank at Power Alignment	19
268	CP-2.4.0, Rod Position Indication System "Part Length" Bank at Hot Shutdown Alignment	19
265	CP-2.0, Calibration and/or Maintenance of the Rod Position Indication System	19
299	PT-17.1, Area Radiation Monitors R1-R9	19
259	PT-13, Fire Pump Operation and System Alignment	19
258	SC-3.15.15, Emergency Fire Equipment Locker Inventory and Inspection	19
279	CP-2.10, Rod Position Indication System Maintenance Calibration Check	19
296	CP0.2, Rotameter Calibration	19
256	RF-8.4, Fuel and Core Component Movement in the Spent Fuel Pit	19
305	RSSP-6.0, Containment Integrated Leakage Rate Test	19
283	PT-16, Auxiliary Feedwater System	20
343	A-30.2, Plant Procedure Classification, Review, Approval and Distribution Requirements	20
344	A-30.3, Plant Procedure Content and Format Requirements	20
310	SC-3.15.6, Fire Hose Reel Inspection	20
329	A-60.1, Ginna Station Technical Specification Surveillance Program	20

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
334	S-3.4J, Transferring Monitor Tank to RMW Tank	20
307	E-1.2, Loss of Coolant Accident	20
308	A-25.1, Ginna Station Event Report	20
312	E-23.5, Reactor Coolant Pump No. 1 Seal Leak-off Low Flow or Off	20
314	E-8, Loss of Reactor Coolant Flow	20
313	E-23.1, Malfunction of #1 Reactor Coolant Pump Seal	20
298	CP-218.2, Calibration of R-18 Detector	20
295	M-15, Diesel Generator Maintenance	20
306	RF-9.8.1, Part Length Control Rod Drive Shaft Unlatching	20
306	RF-1, Refueling Organization	20
333	GS-26.1, Unoccupied Vital Area Key Control and Accountability	20
182	A-1.1, Locked Radiation Areas	20
322	A-5.1, Protective Clothing Locker Location	20
218	CP-215.2, Calibration of R-15 Detector	20
336	RSSP-6.1, Integrated Leakage Rate Test Valving Align- ment	20
337	RSSP-6.2, Presurization Monitoring of Penetration Free Volumes During CV ILRT	20
143	QC-1402, System and Equipment Operating Status Control	20
245	QCIP-5, Cleanliness Inspection of Components	20
335	S-3.3G, CVCS Deborating Demineralizer Bed Operation Using "B" Deborating Unit	20
237	GS-31.1, Door Alarm Assessment and Response Controlled Areas	20
346	ISI-1.8, Quality Control A Inservice Inspection	20
347	ISI-2.6, Quality Control B Inservice Inspection	20

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
348	ISI-3.5, High Energy Inservice Inspection	20
241	QCIP-1, Quality Control Inspection Procedure Steam Generator (Primary Side) Preclosure Inspection	20
244	QCIP-4, Quality Control Inspection Procedure Receiving Inspection of MG-6 Type Relays	20
246	QCIP-9, Quality Control Inspection Procedure Pressurizer Preclosure Cleanliness Inspection	20
247	QCIP-13, Quality Control Inspection Procedure Material Receiving Inspection of Chemicals and Radio-Chemical Laboratory Supplies	20
234	RSSP-13.6, Inservice Inspection Hydro Test of Class "C" Safety Related Piping (Auxiliary Feedwater Pumps Discharge Piping)	20
239	RSSP-15.8, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Charging Pump Suction excluding VCT)	20
229	SM 76-16.1, Eddy Current Wiring Conduits	20
395	EM-200, Replacement or Rework of Solenoid Valves for CV Purge Exhaust Valve 5879	21
362	S-2.5A, Burping the Reactor Coolant Drain Tank (To Be Opened to Atmosphere)	21
363	S-2.5B, Restoring Reactor Coolant Drain Tank to Service After Maintenance	21
364	S-4.2.10, Burping the Pressurizer Relief Tank and Reactor Coolant Drain Tank and Isolating from the Vent Header	21
361	SM 76-17.2, Screen House Intake Heater Cable Tray	21
353	SM 76-21.5, Battery Room Air Conditioning - Service Water Piping Installation	21

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
383	SM 77-1660.23, RCS Overpressure Protection Loop 452 Rack R2 Instrumentation Installation and Wiring	21
384	SM 77-1660.24, RCS Overpressure Protection Loop 455 Rack W2 Instrumentation Installation and Wiring	21
385	SM 77-1660.25, RCS Overpressure Protection Loop 456 Rack R2 Instrumentation Installation and Wiring	21
386	SM 77-1660.26, RCS Overpressure Protection Loop 409 Rack RCS2 Instrumentation Installation and Wiring	21
387	SM 77-1660.27, RCS Overpressure Protection Loop 410 Rack RCS2 Instrumentation Installation and Wiring	21
388	SM 77-1660.28, Overpressure Protection Modification of the Relay Racks	21
389	SM 77-1660.29, Overpressure Protection Modification Annunciator Termination	21
381	SM 77-1660.21, Overpressure Protection Loop 450 Rack B2 Instrumentation Installation and Wiring	21
382	SM 77-1660.22, RCS Overpressure Protection Loop 451 Rack W2 Instrumentation Installation and Wiring	21
399	TCIP-10, Test Instrument Calibration Procedure	22
412	CP-625.1, Residual Heat Removal Heat Exchanger Outlet Valve HCV-625 Isolation	22
410	PR-6, Protective Relay Calibration and Trip Test 19KV and 115KV Relaying	22
411	CP-624.1, Residual Heat Removal Heat Exchanger Outlet Valve HCV-624 Isolation	22
396	RSSP-10.2, Main Steam Safety Valve Test	22
355	SM 75-58.8, Modification of the Walkway and Railings Around the Spent Fuel Pool	22
263	A-60.2, Control of Inservice Inspection Status	22
222	PR-2, Protective Relay Calibration and Trip Test 1A Emergency Diesel	22
	PR-3, Protective Relay Calibration and Trip Test 1B Emergency Diesel	

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
372	CP-2019.0, Turbine Driven Auxiliary Feedwater Pump Discharge Pressure Loop 2019	22
374	CP-2030.0, 1B Motor Driven Auxiliary Feedwater Pump Discharge Pressure Loop 2030	22
373	CP-2029.0, 1A Motor Driven Auxiliary Feedwater Pump Discharge Pressure Loop 2029	22
293	M-15.3, Diesel Fuel Oil Transfer Pump Maintenance	22
294	M-15.4, Diesel Startup Air Compressor Maintenance	22
403	M-40.7, Steam Generator Snubber Maintenance	22
406	A-53.2, Three Month Lubrication and Maintenance Inspection	22
413	A-35, Prime Mover Holding and Markup Requirements	22
400	RF-8.1, Step by Step Fuel Loading and Maps	22
332	GS-12.0, Security Guard Actions During a Fire	22
345	GS-31.0, Door Alarm System	22
380	GS-21.0, Site Access Control (Security) and Personnel Identification	22
356	GS-28.0, Search of Personnel, Vehicles and Packages	22
354	PT-5.20, Process Instrumentation Reactor Protection Channel Trip Test (Channel 2)	22
353	RSSP-15.7, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Charging Pumps Discharge Piping)	22
342	RSSP-12, Testing of Primary and Secondary Relief Valves on Test Stand	22
349	Fire Pump Operation and System Alignment	22
341	SC-1.12A, Immediate Call List	22
338	HP-4.1, Controlled Area Entry	22
340	SC-1.12B, Station Call List	22
	CP-209, Calibration of Area Monitors, TA-62 Detectors (R1-R9)	22

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
303	RF-2, Reactor Refueling Outage Operations and Activities	22
302	RF-10, Fuel Transfer System Checkout and Demonstration Procedure	22
351	A-50.11.4, General Employee Fire Training	22
376	SM 76-26.4, Installation of 7.5KV Floor Mounted Constant Voltage Transformer 1B	22
277	SM 76-21.7, Battery Room Air Conditioning - Misc.	22
317	RSSP-13.8, Inservice Inspection Hydro Test of Class "C" Safety Related Piping (Service Water Piping - Loop A)	22
260	RSSP-13.7, Inservice Inspection Hydro Test of Class "C" Safety Related Piping (CVCS Holdup Tank Inlet Piping, Gas Stripper Pumps Discharge Piping Including Base Removal and Cation Ion Exchangers Piping)	22
248	QCIP-14, Quality Control Inspection Procedure Material Receiving Inspection of Mechanical Measuring Tools	22
252	HP-12.1, Usage of Respirators	22
290	A-54.6, Health Physics Tour	22
377	SM 76-26.2, Installation of 1B Inverter and Alternate Power Supplies	22
375	SM 76-26.3, Installation of 7.5KVS Floor Mounted Constant Voltage Transformer 1A	22
378	SM 76-26.1, Installation of 1A Inverter and Alternate Power Supplies	22
321	SM 77-1682.1, Penetration Testing Modification Penetration 304	22
325	SM 76-27.1, Penetration 332 Modification	22
318	SM 77-1682.4, Penetration Testing Modification Penetration 107	22
320	SM 77-1682.2, Penetration Testing Modification Penetration 202	22
319	SM 77-1682.3, Penetration Testing Modification Penetration 210	22

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
394	SM 77-1660.2, Overpressurization Mechanical Package	22
291	SM 76-01.1, Safeguard Buses DC Control Voltage Monitor	22
425	SM 77-1660.10, RCS Overpressurization Protection Electrical Conduit and Wiring	22
426	SM 77-2.10, DI Water Containment Isolation Electrical Conduit and Wiring	22
409	SM 78-2273.1, Armor Plate on the East Wall of the Control Room	22
408	SM 77-1836.1, Turbine Building Pressurization and Security Wall	22
398	SM 77-02.1, DI Water to Containment Modification Mechanical	22
359	RSSP-15.9, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Service Water Loop B)	23
327	SM 78-1048.1, Accumulator Relief Modification	24
438	M-52.3, Incore Thimbles Cleaning	24
447	A-17, Plant Operations Review Committee Operating Procedure	24
420	ISI-3.5, High Energy Inservice Inspection	24
434 & 446	SM 77-1057.1, Relocation of the Charge Pump Filter Vent	24
421 & 431	SM 77-1660.28, Overpressure Protection Modification of the Relay Racks	24
433	M-73.3, Welding on Carbon Steel Piping or Components	24
440	S-2.5A, Burping RCDT (To Be Opened to Atmosphere)	24
441	S-2.3B, Burping the Pressurizer Relief Tank (To be Opened to Atmosphere)	24
417	S-2.3B, Burping the Pressurizer Relief Tank (To be Opened to Atmosphere)	24
414	TCIP-9, Test Instrument Calibration Procedure	24
443	S-2.4A, Draining the Pressurizer (RCS Degassed)	24

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
418 & 437	S-2.5A, Burping Reactor Coolant Drain Tank	24
432	M-65.0, Main Steam Line Weld Repairs (Outside of Containment)	24
405	SM 78-1875.1, "A" Feedwater Venturi Monorail	25
407	SM 78-1480.1, "A" RCP Ladder and Handrail Installation	25
404	SM 77-1474.1, RCP Seal Bypass Modification	25
397	SM 75-14, Boric Acid Batch Tank Recirculation Piping and Supports	25
402	SM 78-1485.1, Dillon Cell Storage Frame	25
459	SM 77-1660.2, Overpressurization Mechanical Package	25
458	SM 77-02.1, Demineralized Water to Containment Modification Mechanical	25
463	RD-6, Gas Decay Tank Releases	25
462	M-11.8B, Reactor Coolant Pump - Seal Injection and Service Mechanical	25
464	SM 77-1623.1, Charging Pump Monorails	25
350	SC-3.15.16, Fire Protection System Inspections and Tests	26
358	CP-70.5, Test Gauge Calibration Procedure	26
366	CP-617.0, Component Cooling Water Pumps Discharge Pressure PIC-617	26
367	CP-628.0, RHR Loop Reactor Coolant Test Bypass Flow	26
368	CP-2033.0, Service Water Flow From "1A" Vent Cooler Flowmeter FIA-2033	26
369	CP-2034.0, Service Water Flow From "1B" Vent Cooler Flowmeter FIA-2034	26
370	CP-2035.00 Service Water Flow From "1C" Vent Cooler Flowmeter FIA-2035	26
371	CP-2036.0, Service Water Flow From "1D" Vent Cooler Flowmeter FIA-2036	26
255	HP-10.7, Flow Calibration of Low Volume Air Samplers	26

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
323	PR-7.2, Protective Relay Calibration and Trip Test #12B Transformer 34KV Relaying	26
448	A-19, Change in Written Procedures	26
449	RSSP-6.1, Integrated Leakage Rate Test Valving Alignment	26
435	RSSP-6.0, Containment Integrated Leakage Rate Test	26
454	M-37.24A, Main Steam Safety Valve Maintenance Valve No.	26
450	M-37.24A, Main Steam Safety Valve Maintenance Valve No.	26
457	SM 77-1660.28, Overpressure Protection Modification of the Relay Racks	26
456	S-4.1U, Velocity Flush of R-18	26
424	A-35, Prime Mover Holding and Markup Requirements	26
428	ISI-1.8, Quality Group A Inservice Inspection	26
429	ISI-2.6, Quality Group B Inservice Inspection	26
430	ISI-3.5, High Energy Inservice Inspection	26
445	O-1.1C, Pre-Critical Technical Specifications Check Sheet	26
427	HP-12.4, Fitting and Testing of Respirators	26
444	A-52.4, Control of Limiting Conditions for Operating Equipment	26
439	GS-41.0, Employee Screening Program	26
202	A-58, Installation of Power, Control or Instrumentation Cables at Ginna Station	26
442	A-54.4, Duty Engineer Responsibilities	26
360	M-43.15, Installation of Steam Generator Manway Insert	26
451	SM 76-28.1, Flange Installation on Main Feedwater Flow Venturis - Ginna Station Feedwater Line	26
469	SM 78-1845.1, Guide Stud Storage Racks	27
505	SM 78-2160.1, GSM-7 Pipe Supports	27

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
470	SM 77-1682.5, Penetration Testing Modification Penetration 143	27
510	SM 76-28.2, Flange Installation on Feedwater Flow Venturis - A Feedwater Line	27
460	SM 75-5.50, Auxiliary Feedwater Hanger AFW-51 Repair	27
455	RF-51, Reactivity Insertion Computation	27
513	ISI-2.1.6, Quality Group B Inservice Inspection	27
512	ISI-1.1.8, Quality Group A Inservice Inspection	27
508	SM 76-26.1, Installation of 1A Inverter and Alternate Power Supplies	27
465	O-2.3.1, Draining the Reactor Coolant System	27
	S-3.2J, Isolation of Reactor Coolant Filter and Associated Grinnell Diaphragm Valves (249, 250, 253, 251, 248A, and 248B)	27
517	M-37.24A, Main Steam Safety Valve Maintenance Valve No.	27
474	S-3.2J, Isolation of Reactor Coolant Filter and Associated Grinnell Diaphragm Valves (249, 250, 253, 251, 248A, and 248B)	27
473	M-43.1, Steam Generator Manway Cover Removal Steam Generator	27
511	EM-201, B Steam Generator Secondary Side Peripheral Tube Removal	27
476	RSSP-15.9, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Service Water Loop B)	27
516	SM 75-14, Boric Acid Batch Tank Recirculation Piping and Supports	27
466	SM 77-2.10, DI Water Containment Isolation - Electrical Conduit and Wiring	27
518	RF-2E, Draining of Refueling Canal	27
509	SM 77-1682.4, Penetration Testing Modification Penetration 107	27
452	E-1.2, Loss of Coolant Accident GS-1.2, Ginna Station Security Event Report	27 27

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
548	SM 76-26.2, Installation of 1B Inverter and Alternate Power Supplies	28
542	A-54.3, Open Flame, Welding and Grinding Permit	28
558	S-27.209, Isolation of CVCS Relief Valve 209	28
559 & 546	RSSP-13.8, Inservice Inspection Hydro Test of Class "C" Safety Related Piping (Service Water Piping - Loop A)	28
521	RSSP-15.8, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Charging Pump Suction Excluding VCT)	28
520	RF-10, Fuel Transfer System Checkout and Demonstration Procedures	28
520	M-11.8.3, Reactor Coolant Pump Seal Inspection and Service Mechanical	28
552	SM 77-1057.1, Relocation of the Charging Pump Filter Vent	28
551	RSSP-14.8, ISI Hydro Test of Class "C" Safety Related Piping (Service Water Piping - Loop A)	28
561	M-38.5, 1B Constant Voltage Transformer Maintenance	28
554	RSSP-12, Testing of Primary and Secondary Relief Valves on Test Stand	28
	GS-21.0, Site Access Control (Security) and Personnel Identification	28
553	S-27.209, CVCS Relief Valve 209 Isolation	28
562	S-27.1, Volume Control Tank Grinnell Diaphragm Valves Isolation	28
545	A-50.6, R. E. Ginna Operator Requalification Program	28
550	M-11.8A, Reactor Coolant Pump # Removal from Service for Pump Maintenance	28
471	S-2.1B, Reactor Coolant Pumps - Isolation for Maintenance	28
522	PT-2.5, Air Operated Valves, Quarterly Surveillance	28
515	A-36, Station Holding Rules	28

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
543	CP-429.7, Pressurizer Pressure Bistable PC-429A	28
519	M-15.5, 1A Deisel Startup Air Compressor Maintenance	28
316	QC-1403, Inspection and Test Status Control	28
507	O-2.3.1, Draining the Reactor Coolant System	28
472	M-15.6, 1B Deisel Fuel Oil Transfer Pump Maintenance	28
330	O-6.4, Core Quadrant Power Tilt Calculation	28
540	CP-410.0, Reactor Coolant Temperature Cold Leg "410B" Calibration and/or Maintenance	28
538	CP-409, Reactor Coolant Temperature Cold Leg "409B" Calibration and/or Maintenance	28
541	CP-410.3, Reactor Coolant Temperature Cold Leg Bistable TC-410A/B	28
539	CP09.3, Reactor Coolant Temperature Cold Leg Bistable TC-409A/B	28
532	CP-455.0, N2 Accumulator Pressure Low Loop 455	28
533	CP-455.1, N2 Accumulator Pressure Low Loop 455 Transmitter	28
534	CP-455.2, N2 Accumulator Pressure Low Loop 455 Bistable Power Supply and Indicator	28
535	CP-456.0, N2 Accumulator Pressure Low Loop 456	28
536	CP-456.1, N2 Accumulator Pressure Low Loop 456 Transmitter	28
537	CP-456.2, N2 Accumulator Pressure Low Loop 456 Bistable Power Supply and Indicator	28
531	CP-452.2, Overpressure Protection Loop 452, Power Supply and Bistable	28
526	CP-451.0, Overpressure Protection Loop 451	28
527	CP-451.1, Overpressure Protection Loop 451 Transmitter	28
528	CP-451.2, Overpressure Protection Loop 451 Power Supply and Bistable	28

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
529	CP-452.0, Overpressure Protection Loop 452	28
530	CP-452.1, Overpressure Protection Loop 452 Transmitter	28
524	CP-450.1, Overpressure Protection Loop 450 Transmitter	28
525	CP-450.2, Overpressure Protection Loop 450 Power Supply and Bistable	28
523	CP-450.0, Overpressure Protection Loop 450	28
514	QCIP-20, Verification of Accuracy for Mechanical Measuring Tools	28
477	ISI-1.1.9, Quality Group A Inservice Inspection	28
478	ISI-1.2.1, Quality Group A Inservice Inspection	28
479	ISI-1.2.2, Quality Group A Inservice Inspection	28
480	ISI-1.2.3, Quality Group A Inservice Inspection	28
481	ISI-1.2.4, Quality Group A Inservice Inspection	28
482	ISI-1.2.5, Quality Group A Inservice Inspection	28
483	ISI-1.2.6, Quality Group A Inservice Inspection	28
484	ISI-1.2.7, Quality Group A Inservice Inspection	28
485	ISI-1.2.8, Quality Group A Inservice Inspection	28
486	ISI-1.2.9, Quality Group A Inservice Inspection	28
487	ISI-1.3.1, Quality Group A Inservice Inspection	28
488	ISI-1.3.2, Quality Group A Inservice Inspection	28
489	ISI-1.3.3, Quality Group A Inservice Inspection	28
490	ISI-1.3.4, Quality Group A Inservice Inspection	28
491	ISI-1.3.5, Quality Group A Inservice Inspection	28
492	ISI-1.3.6, Quality Group A Inservice Inspection	28
493	ISI-1.3.7, Quality Group A Inservice Inspection	28
494	ISI-1.3.8, Quality Group A Inservice Inspection	28

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
495	ISI-1.3.9, Quality Group A Inservice Inspection	28
496	ISI-1.4.1, Quality Group A Inservice Inspection	28
497	ISI-1.4.2, Quality Group A Inservice Inspection	28
498	ISI-1.4.3, Quality Group A Inservice Inspection	28
499	ISI-1.4.4, Quality Group A Inservice Inspection	28
500	ISI-1.4.5, Quality Group A Inservice Inspection	28
501	ISI-1.4.6, Quality Group A Inservice Inspection	28
502	ISI-1.4.7, Quality Group A Inservice Inspection	28
503	ISI-1.4.8, Quality Group A Inservice Inspection	28
504	ISI-1.4.9, Quality Group A Inservice Inspection	28
	A-54.6, Health Physics Tour	28
597	EM-202, Safety Injection Sequence Timing Relay Replacement	29
557	SM 76-01.2, Cable Installation for the DC Control Fuses	29
565	SM 77-1660.15, Instrumentation Tie-Ins for RCS Overpressurization	29
544	SM 78-1865.1, Steam Generator "A" Air Mover Installation	29
603	S-27.348B, Valve 348B Isolation	30
604	EM-201, "B" Steam Generator Secondary Side Peripheral Tube Removal	30
608	S-3.1K, 1A Boric Acid Transfer Pump Isolation/Restoration	30
574	SM 77-1682.2, Penetration Testing Modification - Penetration 202	30
579	SM 77-1682.3, Penetration Testing Modification - Penetration 210	30
598	RF-51, Reactivity Insertion Computation	30
566	PT-2.10.2, RHR System Core Deluge Check Valves 853A and 853B	30

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
564	M-32.1, DB-25, DB-50 and DB-75 Circuit Breaker Maintenance and Overcurrent Trip Device Test and/or Replacement	30
569	SM 75-5.40, Standby Auxiliary Feedwater Rework Inside Containment	30
576	M-37.2.1, Inspection and Repair of Main Steam Check Valves	30
575	A-54.6, Health Physics Tour	30
572	A-30.3, Plant Procedure Content and Format Requirements	30
580	A-13, Maintenance Record Requirements	30
601	A-1, Radiation Control Manual	30
609	A-30.2, Plant Procedure Classification, Review, Approval and Distribution Requirements	30
584	SM 78-1873.1, Pressurizer Jib Crane	31
611	SM 77-1660.11, RCS Overpressurization Protection - Electrical Terminations in the Control Room and in the Field	31
610	EM-203, Repair of Valve 4738 - Service Water to Motor Coolers	31
643	S-27.2, Isolation of CVCS Letdown Demineralizers and Associated Valves	31
642	M-37.46, Reactor Compartment Cooler Service Water Outlet Valve 4758 Maintenance and Inspection	31
617	GS-10.1, Security Guard Action During a Local Radiation Emergency	31
621	QC-1701, Quality Assurance Records	31
613	RF-2D, Filling the Refueling Canal	31
582	CP-950.3, Containment Pressure Transmitter PT-950	31
581	CP-949.3, Containment Pressure Transmitter PT-949	31
605	M-43.24.1, Inspection of Steam Generator Secondary Side Upper Internals	31

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
602	PT-2.7, Service Water System	31
600	S-27.887, Safety Injection Relief Valve 887 Isolation	31
583	T-17J, Generator Bearing Drain Vapor Extractor - Normal Lineup and Operation	31
570	PT-7, Hydro Test of Reactor Coolant System	31
560	PT-22.10, Mechanical Manifold "C" Leak Rate Test	31
563	SC-1.12B, Station Call List	31
591	PT-23.45, Containment Isolation Valve Leak Rate Testing Leakage Test Instrumentation	31
593	PT-23.51A, Containment Isolation Valve Leak Rate Testing "A" Hydrogen Recombiner (Pilot and Main)	31
594	PT-23.51B, Containment Isolation Valve Leak Rate Testing "B" Hydrogen Recombiner (Pilot and Main)	31
595	PT-23.51C, Containment Isolation Valve Leak Rate Testing "A" and "B" Hydrogen Recombiner Oxygen Makeup	31
589	PT-23.23, Containment Isolation Valve Leak Rate Testing Sump "A" Discharge	31
587	PT-23.22, Containment Isolation Valve Leak Rate Testing RCDT Discharge	31
622	A-20, Control Room Logs	31
624	A-25.1, Ginna Station Event Reports	31
620	S-14.1, Radiation Monitoring and Related Systems Daily Plot Requirements	31
590	PT-23.29, Containment Isolation Valve Leak Rate Testing Demineralized Water	31
592	PT-23.46, Containment Isolation Valve Leak Rate Testing Nitrogen to Accumulators	31
596	PT-23A, Containment Isolation Valve Test Connection Boundary Control	31
567	M-11.27, Component Cooling Pump Inspection and Maintenance	31

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
637	SM 77-02.2, Hydrostatic Testing and Initial Service Heat Test of the Demineralized Water to Containment Modification	32
636	SM 77-1682.10, Hydrostatic Testing of Penetration 143 Piping Modification	32
658	SM 78-1048.1, Accumulator Relief Modification for Accumulator Relief Line	32
657	SM 77-1682.4, Penetration Testing Modification Penetration 107	32
659	SM 77-1832.1, Flame Retardant Cable Coating in the East Cable Vault	32
666	SM 75-47.50, Rework of CVCS Hangers Inside Containment	32
665	SM 77-1660.15, Instrumentation Tie-ins for RCS Overpressurization	32
668 & 670	SM 77-1660.2, Overpressurization Mechanical Package	32
650	EM-194, Repair of CVCS Hanger CH54	32
664	M-37.38.1, Crosby Safety and Relief Valve Maintenance	32
650	M-48.5, Isolation of Bus 17	32
663	RSSP-15.7, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Charging Pumps Discharge Piping)	32
674	SM 77-1057.1, Relocation of the Charging Pump Filter Vent	32
	QC-105, Indoctrination and Training Modification Program	32
	QC-301, Work Start Authorization	32
	QC-304, Control of Modification Activities by the Modification Project	32
644	SM 77-1660.100, Pneumatic Testing of the Containment DI Water Automatic Isolation Valve 8418	33
653	S-27.861, Relief Valve 861 Isolation	33
654	S-27.1817, Relief Valve 1817 Isolation	33
645	SM 77-02.15, Air Tie-in for the DI Water to Containment	33

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
673	RF-2, Reactor Refueling Outage Operations and Activities	33
679	SM 76-27.1, Penetration 332 Modification	33
678	SM 77-1682.4, Penetration Testing Modification Penetration 107	33
677	SM 76-27.1, Penetration 332 Modification	33
676	SM 77-1682.1, Penetration Testing Modification Penetration 304	33
683	RSSP-13.6, Inservice Inspection Hydro Test of Class "C" Safety Related Piping	34
682	SM 77-1660.15, Instrumentation Tie-ins for RCS Overpressurization	34
686	SM 78-1485.1, Dillon Cell Storage Frame	34
685	SM 78-1480.1, A RCP Ladder and Handrail Installation	34
687	SM 78-1865.1, Steam Generator "A" Air Mover Installation	34
699	M-37.11, Repair and Inspection of Pressurizer Power Operated Relief Valves 430 and 431C	34
634	SM 78-1888.1, Spray Additive Tank Recirculation Line Shutoff Valve Installation	34
684	SM 76-26.5, Installation of 7.5 KVA Floor Mounted Constant Voltage Transformer Backup Supply for Instrument Busses A, B, C, and D	35
612	PT-32.2, Initial Checkout of the RCS Overpressure Protection System	35
700	SM 77-1660.24, RCS Overpressure Protection Loop 455 Rack W2 Instrumentation and Wiring	35
635	S-12.4, RCS Leakage Surveillance Record Instructions	35
655	RF-2, Reactor Refueling Outage Operations and Activities	35
649	RF-2E, Draining of Refueling Canal	35
691	RF-14.4.1, Relaxing and Removing Reactor Vessel Head Studs, Stud Hole Plugs and Guide Stud Installation	35
690	RF-14.412, Removing Reactor Vessel Guide Studs and Stud Hole Plugs, Installing and Tensioning Head Studs	35

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
688	HP-4.1, Controlled Area Entry	35
706	S-8A, Component Cooling Water System Startup and Normal Operation Valve Alignment	35
697	M-47.1, Inspection of Pressurizer Internals	35
627	M-44.2, Isolation and Restoration of Motor Control Center 1A	35
647	CP-924.0, Calibration and/or Maintenance of Safety Injection Flow Loop "B"	35
648	CP-925.0, Calibration and/or Maintenance of Safety Injection Flow Loop "A"	35
662	RSSP-15.7, Inservice Inspection Hydro Test of Class "B" Safety Related Piping (Charging Piping)	35
675	S-4.5.9, Letdown Deborating DI (A or B) Resin Replacement	35
672	GS-17.0, Accountability of Personnel During Emergency Conditions	35
660	GS-31.0, Door Alarm System	35
669	RF-2, Reactor Refueling Outage Operations and Activities	35
707	RF-8.2, Fuel Handling Instruction Pre-Loading and Periodic Valve Test	35
705	O-1.1B, Establishing Containment Integrity	35
704	RF-2B, Required Valve Line-Up for Reactor Head Removal	35
671	HP-4.3, Work Permit Use	35
628	O-2.5, Plant Shutdown from Hot Shutdown to Cold Shutdown When Condenser Steam Dump is Unavailable	35
629	O-2.4, Plant Shutdown from Hot Shutdown to Cold Shutdown During Blackout	35
623	O-2.2, Plant Shutdown from Hot Shutdown to Cold Condition	35
696	PT-16, Auxiliary Feedwater System	35

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
694	PT-2.7, Service Water System	35
695	PT-3, Containment Spray Pumps and NaOH Additive System	35
693	PT-2.2, Residual Heat Removal System	35
692	PT-2.1, Safety Injection System Pumps	35
703	PT-2.4, Cold/Refueling Motor Operated Valve Surveillance	35
651	RSSP-1.1, Valve Interlock Verification Residual Heat Removal System	35
702	RSSP-3.0, Verification of Emergency Start Logic Auxiliary Feedwater Pumps	35
701	PT-2.5, Air Operated Valves - Quarterly Surveillance	35
698	SC-3, Fire Emergency Plan	35
315	QC-1003, Control of Inservice Inspection Activities	35
640	QC-103, Periodic Review of Quality Control Procedure	35
638 & 639	QC-201, Ginna Quality Control Organization	35
	QC-303, Control of System Modification Activities	35
652	S-3.1N, Isolation of Miscellaneous Valves in the Boric Acid Storage Tank Room	36
720	SM 77-1682.2, Penetration Testing Modification Penetration 202	36
714	SM 75-14, Boric Acid Batch Tank Recirculation Piping and Supports	36
710	SM 76-28.2, Flange Installation on Feedwater Flow Venturis A Feedwater Line	36
721	CP-455.0, N2 Accumulator Pressure Low Loop 455	36
711	S-3.2A, Charging and Volume Control System Pre-Startup Alignment	36
713	P-8, Precautions, Limitations and Setpoints Waste Disposal System	36

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
715	S-13A, RHR System Lineup for Safety Injection	36
709	S-3.1K, 1A Boric Acid Transfer Pump Isolation/Restoration	36
723	EM-155, Safeguard Rack Relays VI and/or CI Replacement	36
722	M-81, Safeguard Rack Ventillation and Containment Isolation Relays Replacement	36
	A-54.6, Health Physic's Tour	
767	S-2.3B, Burping the Pressurizer Relief Tank with N2 (Not to be Opened the Atmosphere)	37A
774	M-40.1, Hydraulic Snubber Unit Removal and Reinstallatio Procedure	37A
766	RF-2, Reactor Refueling Outage Operations and Activities	37A
724	ISI-2.1.7, Quality Group B Inservice Inspection	37
725	ISI-2.1.8, Quality Group B Inservice Inspection	37
726	ISI-2.1.9, Quality Group B Inservice Inspection	37
727	ISI-2.2.1, Quality Group B Inservice Inspection	37
728	ISI-2.2.2, Quality Group B Inservice Inspection	37
729	ISI-2.2.3, Quality Group B Inservice Inspection	37
730	ISI-2.2.4, Quality Group B Inservice Inspection	37
731	ISI-2.2.55 Quality Group B Inservice Inspection	37
732	ISI-2.2.6, Quality Group B Inservice Inspection	37
733	ISI-2.2.7, Quality Group B Inservice Inspection	37
734	ISI-2.2.8, Quality Group B Inservice Inspection	37
735	ISI-2.2.9, Quality Group B Inservice Inspection	37
736	ISI-2.3.1, Quality Group B Inservice Inspection	37
737	ISI.3.22 Quality Group B Inservice Inspection	37
738	ISI-2.3.3, Quality Group B Inservice Inspection	37
739	ISI-2.3.4, Quality Group B Inservice Inspection	37

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
740	ISI-2.3.5, Quality Group B Inservice Inspection	37
741	ISI-2.3.6, Quality Group B Inservice Inspection	37
742	ISI-2.3.7, Quality Group B Inservice Inspection	37
743	ISI-2.3.8, Quality Group B Inservice Inspection	37
744	ISI-2.3.9 Quality Group B Inservice Inspection	37
745	ISI-2.4.1, Quality Group B Inservice Inspection	37
746	ISI-2.4.2, Quality Group B Inservice Inspection	37
747	ISI-2.4.3, Quality Group B Inservice Inspection	37
748	ISI-2.4.4, Quality Group B Inservice Inspection	37
749	ISI-2.4.5, Quality Group B Inservice Inspection	37
750	ISI-2.4.6, Quality Group B Inservice Inspection	37
751	ISI-2.4.7, Quality Group B Inservice Inspection	37
680	S.5.11, "B" Letdown Deborating DI Replacement	37
681	S-4.5.10, "A" Letdown Deborating DI Resin Replacement	37
789	PT-23A, Containment Isolation Valve Test Connection Boundary Control	37
771	RF-2, Operations and Activities	37
784	T-16A, Turbine Pre-Statup	37
768	O-1.1B, Establishing Containment Integrity	37
712	T-41A, Alignment of Auxiliary Feedwater System Prior to Power Operation	37
752	O-1.1B, Establishing Containment Integrity	37
716	S-2.5B, Restoring Reactor Coolant Drain Tank to Service After Maintenance	37
791	PT-7, Hydro Test of Reactor Coolant System	37
780	ISI-1.1.8, Quality Group A Inservice Inspection	37

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
782	ISI-3.1.5, High Energy Inservice Inspection	37
781	ISI.1.6, Quality Group B Inservice Inspection	37
785	PT-13.1.1, Protomatic Deluge Valve System Testing System Number 7, 8, 9, 10	37
787	PT-7, Hydro Test of Reactor Coolant System	37
777	PT-23.3, Containment Isolation Valves Leak Rate Testing Makeup Water to Pressurizer Relief Tank Line	37
795	PT-32.2, Initial Checkout of the RCS Overpressure Protection System	37
794	ISI-1.1.9, Quality Group A Inservice Inspection	37
793	O-6.2, Main Control Board System Status Verification	37
718	M-7.3, Boric Acid Concentrates and Ion Exchanger Filter Replacement	37
778	M-48.3, Isolation and Restoration of Bus #15	37
769	PC-1.3, Daily Chemistry Analysis Results	37
788	HP-11.2, Iodine in Air-Charcoal Cartridge Method	37
770	ISI-3.1.5, High Energy Inservice Inspection	37
753	A-52.2, Control of Locked Valve Operation	37
708	A-36, Station Holding Rules	37
779	O-2.3.1, Draining the Reactor Coolant System	37
717	T-34A, Generator Seal Oil System Startup	37
790	M-40.8, Functional Testing of Hydraulic Snubbers	37
783	EM-201, "B" Steam Generator Secondary Side Peripheral Tube Removal	37
786	RSSP-13.8.1, Hydro Test of Loop A Underground Service Water Piping	38
796	EM-204, Seal Welding MOV-700 RHR from Loop A	38
799	SM 76-01.1, Safeguard Buses DC Control Voltage Monitor	38

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
800	RSSP-1.4, Valve Interlock Verification - Reactor Coolant System	38
830	PT-32.2, Initial Checkout of the RCS Overpressure Protection System	38
831	O-1.2, Plant from Hot Shutdown to Steady Load	38
840	S-29.1, Prealignment of the Reactor Vessel Overpressure Protection System N2 Supply System	39
841	S-29.2, Charging the Reactor Vessel Overpressure Protection System Accumulators With N2	39
842	O-7, Alignment and Operation of the Reactor Vessel Overpressure Protection System	39
899	EM-204, Seal Welding MOV-700 RHR "A" Loop	39
883	O-2.5, Plant Shutdown from Hot Shutdown to Cold Shutdown When Condenser Steam Dump is Unavailable	39
792	O-1.1, Plant Heatup from Cold Shutdown to Hot Shutdown	39
839	O-1.1, Plant Heatup from Cold Shutdown to Hot Shutdown	39
838	O-2.2, Plant Shutdown from Hot Shutdown to Cold Condition	39
837	O-2.3, Plant at Cold Shutdown	39
834	Filling and Venting the Reactor Coolant System	39
836	Plant Blackout from Hot Shutdown to Cold Shutdown During Blackout	39
835	O-2.5, Plant Shutdown from Hot Shutdown to Cold Shutdown When Condenser Steam Dump is Unavailable	39
888	A-1.1, Locked Radiation Areas	39
896	QC-1404, Test Status Control	39
897	O-1.2.2, Critical Rod Position Calculation	39
898	O-3.1, Boron Concentration for the Hot Xenon Free Shutdown Margin	39
887	ISI-4.1.5, High Energy Inservice Inspection	40
844	SM 75-14, Boric Acid Batch Tank Recirculation Piping and Supports	40

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
845	SM 76-11.10, No. 12B Auxiliary Transformer - Deluge System Tie-in	40
846	SM 76-26.1, Installation of 1A Inverter and Alternate Power Supplies	40
847	SM76-26.2, Installation of 1B Inverter and Alternate Power Supplies	40
848	SM 76-26.3, Installation of 7.5KV Floor Mounted Constant Voltage Transformer 1A	40
849	SM 76-26.4, Installation of 7.5KV Floor Mounted Constant Voltage Transformer 1B	40
850	SM 76-26.5, Installation of 7.5KV Floor Mounted Constant Voltage Transformer Backup Supply for Instrument Buses A, B, C and D	40
851	SM 76-27.1, Penetration 332 Modification	40
852	SM 76-28.2, Flange Installation on Feedwater Flow Venturis - A Feedwater Line	40
853	SM 77-02.1, Demineralized Water to Containment Modification - Mechanical	40
854	SM 77-02.2, Hydrostatic Testing and Initial Service Leak Test of the Demineralized Water to Containment Modification	40
855	SM 77-2.10, DI Water Containment Isolation - Electrical Conduit and Wiring	40
856	SM 77-02.12, Demineralized Water Containment Isolation	40
857	SM 77-02.15, Air Tie-in for the DI Water to Containment	40
858	SM 77-1057.1, Relocation of the CHarging Pump Filter Vent	40
860	SM 77-1660.10, RCS Overpressurization Protection - Electrical Conduit and Wiring	40
861	SM 77-1660.11, RCS Overpressurization Protection - Electrical Terminations in the Control Room and in the Field	40
862	SM 77-1660.15, Instrumentation Tie-Ins for RCS Overpressurization	40

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
863	SM 77-1660.21, RCS Overpressure Protection Loop 450 Rack B2 Instrumentation Installation and Wiring	40
864	SM 77-1660.22, RCS Overpressure Protection Loop 451 Rack W2 Instrumentation Installation and Wiring	40
865	SM 77-1660.23, RCS Overpressure Protection Loop 452 Rack R2 Instrumentation Installation and Wiring	40
866	SM 77-1660.24, RCS Overpressure Protection Loop 455 Rack W2 Instrumentation Installation and Wiring	40
867	SM 77-1660.25, RCS Overpressure Protection Loop 456 Rack R2 Instrumentation Installation and Wiring	40
868	SM 77-1660.26, RCS Overpressure Protection Loop 409 Rack RCS2 Instrumentation Installation and Wiring	40
869	SM 77-1660.27, RCS Overpressure Protection Loop 410 Rack RCS2 Instrumentation Installation and Wiring	40
870	SM 77-1660.28, Overpressure Protection Modification of the Relay Racks	40
871	SM 77-1660.29, Overpressure Protection Modification Annunciator Wiring	40
872	SM 77-1682.1, Penetration Testing Modification Penetration 304	40
873	SM 77-1682.2, Penetration Testing Modification Penetration 202	40
874	SM 77-1682.3, Penetration Testing Modification Penetration 210	40
875	SM 77-1832.1, Flame Retardant Cable Coating in the East Cable Vault	40
876	SM 77-1480.1, "A" RCP Ladder and Handrail Installation	40
877	SM 78-1485.1, Dillon Cell Storage Frame	40
878	SM 78-1865.1, Steam Generator "A" Air Mover Installation	40
879	SM 78-1890.1, Feedwater Line Drain Valves Before the Containment Check Valves	40
887	ISI-4.1.5, High Energy Inservice Inspection	40

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
880	M-11.10, Major Inspection of Service Water Pump	40
890	A-52.2, Control of Locked Valve Operation	40
901	M-40.3, Inspection and Maintenance of Spring Hangers	40
895	PT-2.2, Residual Heat Removal System	40
902	EM-203, Repair of Valve 4738, Service Water to Motor Coolers	40
900	M-40.3, Inspection and Maintenance of Spring Hangers	40
884	SM 77-1660.2, Overpressurization Mechanical Package	40
882	S-3.1N Isolation of Miscellaneous Valves in Boric Acid Storage Tank Room	40
843	SM 77-1660.2, Overpressurization Mechanical Package	40
885	M-11.15, RHR Pumps Inspection/Maintenance	40
889	S.5.2, Waste Condensate Polishing Demineralizer Resin Replacement	40
893	SM 75-34.23, Pipe Restraints and Jet Shields Rework for Steam Generator Blowdown Lines	40
904	O-1.1, Plant Heatup from Cold Shutdown to Hot Shutdown	40
903	O-6.4.1, Reference Equilibrium Indicated Axial Flux Difference Determination	40
905	SM 77-1660.100, Pneumatic Testing of the RCS Overpressure Protection System	40
798	PT-23, Containment Isolation Valve Leak Rate Testing	40
797	A-48, Test Tag Control Program	40
891	A-7, Procedures for Handling Illness or Injuries at Ginna Station	40
894	M-67.8, Star Corporation Heat Detector System	40
892	QC-1701, Quality Assurance Records	40
940	M-11.34.1, Fan Bearing Removal and Replacement	41

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
989	SM 75-50.30, Rework of Jet Shielding for Main Steam Bypass Piping and Valves	42
938	PT-13.1.5, Flood Valve System Testing - System Numbers 3, 4, 5, 6	43
937	RSSP-13.8.1, Hydro Test of Loop A Underground Service Water Piping	43
953	S-29.1, Prealignment of the Reactor Vessel Overpressure Protection System N2 Supply System	43
967	SM 75-34.23, Pipe Restraining and Jet Shields Rework for Steam Generator Blowdown Lines	43
906	M-11.8D, Reactor Coolant Pump Major Inspection and Service - Instrument and Control	43
941	RSSP-13.8.1, Hydro Test of Loop A Underground Service Water Piping	43
801	ISI-4.1.6, Quality Group A Inservice Inspection	43
802	ISI-4.1.7, Quality Group A Inservice Inspection	43
803	ISI-4.1.8, Quality Group A Inservice Inspection	43
804	ISI-4.1.9, Quality Group A Inservice Inspection	43
805	ISI-4.2.1, Quality Group A Inservice Inspection	43
806	ISI-4.2.2, Quality Group A Inservice Inspection	43
807	ISI-4.2.3, Quality Group A Inservice Inspection	43
808	ISI-4.2.4, Quality Group A Inservice Inspection	43
809	ISI-4.2.5, Quality Group A Inservice Inspection	43
810	ISI-4.2.6, Quality Group A Inservice Inspection	43
811	ISI-4.2.7, Quality Group A Inservice Inspection	43
812	ISI-4.2.8, Quality Group A Inservice Inspection	43
813	ISI-4.2.9, Quality Group A Inservice Inspection	43
814	ISI-4.3.1, Quality Group A Inservice Inspection	43
815	ISI-4.3.2, Quality Group A Inservice Inspection	43
816	ISI-4.3.3, Quality Group A Inservice Inspection	43

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
817	ISI-4.3.4, Quality Group A Inservice Inspection	43
818	ISI-4.3.5, Quality Group A Inservice Inspection	43
819	ISI-4.3.6, Quality Griup A Inservice Inspection	43
820	ISI-4.3.7, Quality Group A Inservice Inspection	43
821	ISI-4.3.8, Quality Group A Inservice Inspection	43
822	ISI-4.3.9, Quality Group A Inservice Inspection	43
823	ISI-4.4.1, Quality Group A Inservice Inspection	43
824	ISI-4.4.2, Quality Group A Inservice Inspection	43
825	ISI-4.4.3, Quality Group A Inservice Inspection	43
826	ISI-4.4.4, Quality Group A Inservice Inspection	43
827	ISI-4.4.5, Quality Group A Inservice Inspection	43
828	ISI-4.4.6, Quality Group A Inservice Inspection	43
829	ISI-4.4.7, Quality Group A Inservice Inspection	43
947	PR-5, Relay Calibration and Trip Test 4160 Volt Auxiliaries Circuit	43
956	O-1.2.1, 1/M Curves	43
961	CP-70.5, Test Gauge Calibration Procedure	43
881	HP-1.1, Issuing Personnel Dosimeters	43
954	A-30.3, Plant Procedure Content and Format Requirements	43
960	A-1, Radiation Control Manual	43
959	A-1.3, Smearing Procedure	43
958	S-4.4.1, Spent Resin Package Site Receipt and Shipment	43
957	RD, Gas Decay Tank Release	43
948	PT-2.1, Safety Injection System Pumps	43
949	PT-23.5A, Containment Isolation Valve Leak Rate Testing Containment Sump Recirculation to "A" RHR Pump	43

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
950	PT-23.5B, Containment Isolation Valve Leak Rate Testing Containment Sump Recirculation to "B" RHR Pump	43
324	SC-3.12, Plan for Recovery from Fire	43
939	M-67.3, Flood Valve System Maintenance - System Numbers 3, 4, 5, 6	43
993	O-1.2.2, Critical Rod Position Calculation	43
944	GS-26.1, Unoccupied Vital Area Key Control and Accountability	43
946	GS-10.0, Security Personnel Actions During a Radiation Emergency	43
945	GS-17.0, Accountability of Personnel During Emergency Condition	43
943	GS-30.0, Threatening Phone Call or Bomb Threat Procedure	43
993	PT-34.6, At Power Physics Testing	44
1024	CP-502.1, Calibration of 1A Emergency Diesel Kilowatt Meters	44
1023	CP-502.2, Calibration of 1B Emergency Diesel Kilowatt Meters	44
907	ISI-3.1.5A, Quality Group C Inservice Inspection	45
908	ISI-3.1.6, Quality Group C Inservice Inspection	45
909	ISI-3.1.7, Quality Group C Inservice Inspection	45
910	ISI-3.1.8, Quality Group C Inservice Inspection	45
911	ISI-3.1.9 Quality Group C Inservice Inspection	45
912	ISI-3.2.1, Quality Group C Inservice Inspection	45
913	ISI-3.2.2, Quality Group C Inservice Inspection	45
914	ISI-3.2.3, Quality Group C Inservice Inspection	45
915	ISI-3.2.4, Quality Group C Inservice Inspection	45
916	ISI-3.2.5, Quality Group C Inservice Inspection	44

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
917	ISI-3.2.6, Quality Group C Inservice Inspection	45
918	ISI-3.2.7, Quality Group C Inservice Inspection	45
919	ISI-3.2.8, Quality Group C Inservice Inspection	45
920	ISI-3.2.9, Quality Group C Inservice Inspection	45
921	ISI-3.3.1, Quality Group C Inservice Inspection	45
922	ISI-3.3.2, Quality Group C Inservice Inspection	45
923	ISI-3.3.3, Quality Group C Inservice Inspection	45
924	ISI-3.3.4, Quality Group C Inservice Inspection	45
925	ISI-3.3.5, Quality Group C Inservice Inspection	45
926	ISI-3.3.7, Quality Group C Inservice Inspection	45
927	ISI-3.3.8, Quality Group C Inservice Inspection	45
928	ISI-3.3.9, Quality Group C Inservice Inspection	45
929	ISI-3.4.1, Quality Group C Inservice Inspection	45
930	ISI-3.4.2, Quality Group C Inservice Inspection	45
931	ISI-3.4.3, Quality Group C Inservice Inspection	45
932	ISI-3.4.4, Quality Group C Inservice Inspection	45
933	ISI-3.4.5, Quality Group C Inservice Inspection	45
934	ISI-3.4.6, Quality Group C Inservice Inspection	45
935	ISI-3.4.7, Quality Group C Inservice Inspection	45
1027	O-1.3, Reactor Startup for Training	45
1030	O-1.2, Plant from Hot Shutdown to Steady Load	45
1021	PT-16, Auxiliary Feedwater System	45
1019	O-1.1, Plant Heatup from Cold Shutdown to Hot Shutdown	45
997	SM 75-34.23, Pipe Restraints and Jet Shields Rework for Steam Generator Blowdown Lines	45
1001	PT-6.2, NIS Intermediate Range Channels Channel No.	45

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1013	M-37.38.1, Crosby Safety and Relief Valve Maintenance	45
1004	M-73.3, Welding on Carbon Steel Piping and Components	45
951	S-27.5.3, RCS Loop Sample Valves Isolation	45
952	S-27.5.2, Pressurizer Liquid Space Sample Isolation Valves	45
968	E-39.0, Fire at Facility	45
943	E-39.1, Containment Vessel Fire	45
974	E-39.2, Relay/Computer Room Fire	45
969	E-39.3, Grinnell Deluge System Fire	45
970	E-39.4, Smoke Detector Area Fire	45
971	E-39.5, Sprinkler System Fire	45
972	E-39.6, Auxiliary Building/Controlled Area Fire	45
859	SM 77-1660.2, Overpressurization Mechanical Package	45
1034	SM 78-1873.1, Pressurizer Jib Crane	45
1033	SM 78-1888.1, Spray Additive Recirculation Line Shutoff Valve Installation	45
1026	SM 77-02.11, Electric Terminations at Valve 8418 and in Control Room for DI Water to Containment	45
1000	O-2.4, Plant Shutdown from Hot Shutdown to Cold Shutdown During Blackout	45
999	O-2.2, Plant Shutdown from Hot Shutdown to Cold Condition	45
1015	PT-6.3.3, Power Range Nuclear Instrumentation System Channel 43	45
1014	PT-6.3.4, Power Range Nuclear Instrumentation System Channel 44	45
1016	PT-6.3.2, Power Range Nuclear Instrumentation System Channel 42	45
1017	PT-6.3.1, Power Range Nuclear Instrumentation System Channel 41	45

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1008	PT-6.1, Source Range NIS	45
1007	PT.2, NIS Intermediate Range	45
942	A-1.2, Air Sampling Procedure	45
1006	CP-128.3, Charging Line Flow Transmitter FT-128 and Local Indicator FI-128A	45
1010	A-2.6, Incore Flux Map Data Reduction and Review	45
1009	S-12.4, RCS Leakage Surveillance Record Instructions	45
1002	A-36, Station Holding Rules	45
1005	CP-128.0, Calibration and/or Maintenance of Changing Line Flow Channel "128"	45
1012	CP-628, RHR Loop Reactor Coolant Test Bypass Flow	45
1020	SM 75-58.8, Modification of Walkway and Railings Around the Spent Fuel Pool	45
309	SC-3.14.2, Fire Department and Fire Brigade Drill	46
1052	O-6.9, Operating Limits for Ginna Station Transmission	46
1092	SM 76-16.1, Eddy Current Wiring Conduits	46
1036	O-2.1, Normal Shutdown to Hot Shutdown	46
1059	PT.4, Excore/Incore Recalibration	46
1056	SM 77-1498.1, Low Power Steam Generator Feedwater Bypass Control Modification	46
1055	SM 78-1048.1, Accumulator Relief Modification for Accumulator Relief Line	46
1053	SM 76-01.2, Cable Installation for the DC Control Fuse Monitor System	46
1044	SM 75-41.31, Condensate Polishing System Control Board Operational Check	46
1089 & 1043	SM 75-5.40, Standby Auxiliary Feedwater Rework Inside Containment	46
1087	SM 75-34.23, Pipe Restraints and Jet Shields Rework for Steam Generator Blowdown Lines	46

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1042 & 1088	SM 75-5.50, Auxiliary Feedwater Hanger AFW-51 Repair	46
1083	SM 75-58.8, Modification of the Walkway and Railings Around the Spent Fuel Pool	46
1084	SM 75-50.30, Rework of Jet Shielding on Main Steam Bypass Piping and Valves	46
1085	SM 75-48.30, Rework of the Auxiliary Feedwater Crossover Piping Modification	46
1086	SM 75-47.30, Rework of CVCS Hangers Inside Containment	46
1050	M-38.3, 1B Inverter Maintenance or Repair	46
1049	M-38.2, 1A Inverter Maintenance or Repair	46
1041	M-38.4, 1A Constant Voltage Transformer Maintenance or Repair	46
1040	M-38.5, 1B Constant Voltage Transformer Maintenance or Repair	46
1028	O-1.1C, Pre-Critical Technical Specification Check Sheet	46
1048	QC-2701, Quality Assurance Records	46
1054	O-7, Alignment and Operation of the Reactor Vessel Overpressure Protection System	46
990	GS-26.1, Unoccupied Vital Area Key Control and Accountability	46
1058	T-26, 125 Volt DC and Station Battery System	46
1057	PT-17.3, RMS Channel Response to Portable Radiation Source	46
1119	M-11.8K, Reactor Coolant Pump Motor Minor Inspection	48
1123	S-17B, Addition of 50% NaOH to the Spray additive Tank	48
1108	TICP-1, Test Instrument Calibration Procedure	48
1107	TICP-2, Test Instrument Calibration Procedure	48
1097	PT-13.1.9, Halon System Testing and/or Maintenance (Resetting) Computer Room and Relay Room	48
1099	PT-13.1.3, Deluge Valve System Testing Numbers 1, 2, 11	48

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1098	PT-13.1.7, Alarm Valve System Testing System Numbers 12, 13 Warehouse	48
1100	PT-13.1.1, Protomatic Deluge Valve System Testing System Numbers 7, 8, 9, 10	48
1122	M-43.21, Steam Generator Final Cleanup and Inspection	48
1121	M-47.1, Inspection of Pressurizer Internals	48
1156	CP-32.3, Calibration of Source Range N-32	48
1155	CP-31.3, Calibration of Source Range N-31	48
1117	CP-44.2, General Reinstate Procedure for N-44	48
1116	CP-44.1, General Defeat Procedure for N-44	48
1115	CP-43.2, General Reinstate Procedure for N-43	48
1114	CP-43.1, General Defeat Procedure for N-43	48
1111	CP-41.2, General Reinstate Procedure for N-41	48
1110	CP-41.1, General Defeat Procedure for N-41	48
1113	CP-42.2, Reinstate Power Range Channel 42	48
1112	CP-42.1, General Defeat Procedure for N-42	48
1101	O-5.1, Load Reductions	48
1102	O-5.2, Load Increases	48
1109	O-6.7, Weekly Alarm Status Check	48
1118	O-2.4, Plant Shutdown from Hot Shutdown to Cold Shutdown During Blackout	48
1126	HP-5.1, Area Radiation Surveys	48
1120	SM 78-2160.1, GSM 7 Pipe Supports	48
955	A-50.12, Emergency Plan Training Program	49
1011	ISI-6.0, Inservice Leakage Inspection of Quality Group C Systems	49
963	ISI-5, Eddy Current Testing of Series 44 Steam Generator Tubes	49

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1210	ISI-1.2.1, Quality Group A Inservice Inspection	49
1211	ISI-1.2.4, Quality Group A Inservice Inspection	49
1212	ISI-1.2.7, Quality Group A Inservice Inspection	49
1213	ISI-1.3.1, Quality Group A Inservice Inspection	49
1214	ISI-1.3.4, Quality Group A Inservice Inspection	49
1215	ISI-1.3.7, Quality Group A Inservice Inspection	49
1216	ISI-1.4.1, Quality Group A Inservice Inspection	49
1217	ISI-1.4.4, Quality Group A Inservice Inspection	49
1218	ISI-1.4.7, Quality Group A Inservice Inspection	49
1046	PT-23.14, Containment Isolation Valve Leak Rate Testing Containment Air Sample Inlet	49
1047	PT-23.15, Containment Isolation Valve Leak Rate Testing Containment Air Sample Outlet	49
1160	A-53.0, Preventative Maintenance Program	49
1164	A-53.2, Three Month Lubrication and Maintenance Inspection	49
1230	SM 76-21.7, Battery Room Air Conditioning - Misc.	49
1223	SM 76-21.4, Battery Room Air Conditioning - Air Conditioner Discharge Duct South End of Battery Room	49
1224	PT-13.1.1, Protomatic Deluge Valve System Testing System Numbers 7, 8, 9, 10	49
1222	SM 76-21.6, Battery Room Air Conditioning - Air Supply Duct to the Air Conditioner	49
1221	SM 76-21.5, Battery Room Air Conditioning - Service Water Piping Installation	49
1162	SC-3, Fire Emergency Plan	49
1163	A-50.2, R. E. Ginna Health Physics Orientation Program	49

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1161	SM 75.24, RWST Jet Shielding Installation Rework	49
1121	M-47.1, Inspection of Pressurizer Internals	49
1165	PT-1, Rod Control System	49
964	M-43.8 Eddy Current Testing of Series 44 Steam Generator Tubes	49
1153	M-64.1, Periodic Surveillance and Minor Maintenance of Limitorque Motor Operated Safeguard Valves	49
1151	M-37.53, RHR Core Deluge Valve 852A and 852B Isolation and Packing	49
1152	M-37.55, Spray Additive Tank Discharge Valves HCV-836A/B Inspection and Maintenance	49
1150	M-37.51, Component Cooling Water Surge Tank Local Vent Valve RCV-017 Repair and Inspection	49
1149	M-37.50, MOV-721 RHR to "B" Loop Maintenance and Inspection	49
1148	M-37.49, Level Control Valve from "B" RCS Loop LCV-427 Maintenance and Inspection	49
1147	M-37.48, Component Cooling From RC Pumps MOV-759 and/or MOV-759B Isolation and Maintenance	49
1146	M-37.47, RHR Pump Suction MOV-851A or MOV-851B Maintenance and Inspection	49
1145	M-37.42, MOV-813 and/or MOV-814 Isolation and Maintenance	49
1144	M-37.40, Maintenance on Motor Driven Auxiliary Feedwater Pumps Discharge Valves - MOV-4007 or MOV-4008	49
1154	M-64.2, Limitorque Valve Operator Maintenance and Inspection	49
1143	M-37.36.4, Nuclear Sample System Air Operated Valve Maintenance	49
1142	M-37.35, Valves 3504 and 3505; Main Steam to Turbine Driven Auxiliary Feed Pump Maintenance	49
1141	M-37.19, Removal of Limitorque Motors and/or Repacking of Gate Valves 860, A, B, C, & D	49

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78.</u>
1140	M-37.16J, Inspection and Maintenance of the Motor Drive Auxiliary Feed Pump Recirculation Control Valve	49
1139	M-37.15.1, Inspection and Maintenance of 48" Butterfly Valve, Model R-1A8 Valve Operator	49
1138	M-37.15, Replacing or adjusting Rubber Seat Seat in Purge Supply and Exhaust Valves	49
1137	M-37.10, Grinnell Diaphragm Valves, Air-Operated, Maintenance	49
1136	M-37.3, Maintenance on Copes-Vulcan Diaphragm Operated Control Valves for AOV _____	49
1131	M-11.10, Major Inspection of Service Water Pump	49
1129	M-11.14, Inspection and Maintenance of Ingersol Rand Pumps	49
1128	M-37.0, Repacking of Air Motor Operated Valves	49
1127	M-11.15, RHR Pumps Inspection/Maintenance	49
1134	M-11.5B, Major Mechanical Inspection of the Auxiliary Feed Pumps for Pump	49
1132	M-11.5K, Turbine Driven Auxiliary Feedwater Pump Major or Mechanical Inspection	49
1135	M-11.5C, Minor Mechanical Inspection of the Auxiliary Feed Pumps for _____ Pump	49
1133	M-11.5E, Pipefitters Inspection of Motor Driven Auxiliary Feed Pump for _____ Pump	49
1130	M-11.12.1, Safety Injection Pump, Mechanical Inspection,	49
None	A-54.6, Health Physics Tour - week of 6/12/78	49
1242	PT-16, Auxilairy Feedwater System	50
1288	S-4.4, Spent Resin Removal to Shipping Casks	50

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1272	M-43.6.1, Installation of "A" Steam Generator Ring Nozzle Cover In Preparation for Explosive Tube Plugging	50
1273	M-43.13.1, Steam Generator Ring Nozzle Cover Removal After Explosive Tube Plugging	50
1266	EM-156, Removal of Reactor Trip Logic Relay, RT-3	50
1265	M-70.1, Steam Generator Level Deviation Bistable Setpoint Change	50
1231	PT-15, Containment Purge Supply and Exhaust Damper Closure Time	50
1232	PT-18.1, 1A Instrument Air Compressor Capacity Check	50
1233	PT-18.2, 1B Instrument Air Compressor Air Capacity Check	50
1234	PT-18.3, 1C Instrument Air Compressor Air Capacity Check	50
1235	PT-22, Containment Penetration Leak Rate Testing	50
1236	PT-22.22, Fuel Transfer Flange Leak Rate Test	50
1237	RSSP-2.6, Emergency Diesel Start and Breaker Closure Time	50
1239	RSSP-7.0, Control Rod Drop Test	50
1240	RSSP-8.0, RTD Cross Calibration Check	50
1241	PR-5, Relay Calibration and Trip Test 4160 Volt Auxiliaries	50
1271	M-43.31, Hand Hold Gasket Seating Surface Repair	50
1274	M3.29, Steam Generator Inner Sleeve Removal and/or Split Ring Assembly Removal	50
1275	M-3.2, Reactor Cavity Cleanup and Decontamination	50
1276	M-54.2, Condenser Water Box Leak Testing with Freon	50

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1277	M-43.27, Steam Generator Secondary Side Handhole Cover Removal	50
1278	M-43.28, Steam Generator SEcondary Side Manway Cover Removal	50
1270	M-18.1, Drum Preparation for Waste Evaporator Bottoms	50
1281	M-43.26, Installation of Steam Generator Secondary Manway Cover	50
1207	S-3.3D, CVCS Cation Demineralizer Bed Operations Using "A" Deborating D. I. Unit	50
1206	S-3.3F, Reactor Coolant System pH Control	50
1205	S-3.4I, Recirculation of Monitor Tank for "A" or "B" Monitor Tanks	50
1204	S-3.4K, Releasing Monitor Tank to Discharge Canal	50
1203	S-3.4M, Monitor Tank Recirculation through Evaporator D. I.	50
1202	S-3.4N, Calculations for Boron Recycle Process Using 2 HUT's	50
1201	S-3.4P, Transferring Concentrates from Boric Acid Evaporator Feed Tank to Waste Evaporator Feed Tank for Drumming	50
1200	S-3.4R, Transfer of any CVCS HUT to Another CVCS HUT	50
1198	S-3.4T, Regeneration of the Boric Acid Evaporator "B" Condensate D. I.	50
1197	S-3.5, Deborating Demineralizer "B" Regeneration	50
1196	S-4.1F, Waste Condensate Polisher Recirculation	50
1195	S-4.1L, Reverse Osmosis Unit Startup and Shutdown	50
1194	S-4.1N, Transfer Waste Holdup Tank to "A" Monitor Tank	50

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1193	S-4.1R, Transfer of Chemical Drain Tank to Reverse Osmosis Feed Tank	50
1192	S-4.1S, Alternating Waste Evaporator Cartridge Demineralizers	50
1191	S-4.1T, Alternating Waste Evaporator Condensate Polishing Demineralizers	50
1190	S-4.1U, Velocity Flush of R-18	50
1189	S-4.1Y, Laundry Tank Release Using Chemical Drain Pump	50
1188	S-4.5.2, Waste Condensate Polishing Demineralizer Resin Replacement	50
1187	S-4.5.4, Boron Recycle Base Removal D. I. Resin Replacement	50
1186	S-4.5.5, Boron Recycle Cation D. I., Resin Replacement	50
1185	S-4.5.6, Spent Fuel Pit, D. I. Resin Replacement	50
1184	S-4.5.7, Letdown Mixed Bed D. I. Resin Replacement	50
1183	S-4.5.8, Letdown Cation D. I. Resin Replacement	50
1182	S-5, Nuclear Sample Room Sampling System	50
1181	S-8, Component Cooling system	
1199	S-3.4S, Regeneration of the Boric Acid Evaporator "A" Condensate D. I.	50
1180	S-9J, Blending to RWST	50
1179	S-9K, Transferring Water From Monitor Tank to Spent Fuel Pit	50
1178	S-9L, Batching Boric Acid and Transferring to Spent Fuel Pit	50
1177	S-9M, Adding Reactor Makeup Water to Spent Fuel Pit	50

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1176	S-10.1, Part Length Rod Control	50
1175	S-14.2, Determination of the Percent of Tech. Spec. Limits for Radioactive Release	50
1209	S-3.2C, Placing and Removing from Service "B" Hot Leg Charing Valve 392A	50
1208	S-3.3C, H2 or O2 Removal from Primary System by Bumping VCT with N2	50
1174	S-16.3, Vent N2 from the "A" Accumulator	50
1173	S-16.4, Vent N2 from the "B" Accumulator	50
1172	S-16.9, Charging of the "A" Accumulator with Nitrogen	50
1171	S-16.10, Charging of the "B" Accumulator with Nitrogen	50
1170	S-16.13, Water Makeup to the Accumulator	50
1169	S-23.5, Post Accident Charcoal Filter Opera- tion	50
1168	S-25.5, Steam Generator Radioactive Release	50
1167	S-26.4, Computer Rod Position Alarm Program	50
1267	M-57.1, Power Range NIS Detector Replacement	50
1260	E-29.1, Loss of Normal Feedwater (Not Recover- erable)	50
1259	E-26.4, Turbine Trip Without Reactor Trip	50
1258	E-16.2, High Iodine 1313 in the Plant Vent	50
1257	E-13.1, Power Range NIS Malfunction (PR 41, 42, 43, 44)	50
1018	A-1, Radiation Control Manual	50
1229	HP-6.2, Posting of Contaminated and Airborne Areas	50
1247	O-2.1, Normal Shutdown to Hot Shutdown	50
1226	PT-2.3.1, Post Accident Charcoal Filter Dampers	50

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1269	HP-1.1, Issuing Personnel Dosimeters	50
1227	HP-1.3, External Exposure Records	50
1264	M-18, Acid Cleaning of Waste Evaporator	50
1262	HP-4.3, Work Permit Use	50
1268	T-7E, Water Treatment-Carbon Filter Backwash	50
1263	S-4.1D, Drumming Waste Evaporator Bottoms	
1286	A.C.-1701, Quality Assurance Records	50
1246	O-1.2, Plant From Hot Shutdown to Steady Load	50
1245	O-1.3, Reactor Startup for Training	50
1244	PT-34.0, Startup Physics Test Program	50
1248	PT-23.16A, Containment Isolation Valve Leak Rate Testing "A" Steam Generator Blowdown	52
1249	PT-23.16B, Containment Isolation Valve Leak Rate Testing "B" Steam Generator Blowdown	52
1250	PT-23.17A, Containment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter PT-945 and PT-946	52
1251	PT-23.17B, Containment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter PT-947 and PT-948	52
1252	PT-23.17C, Containment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter PT-949 and PT-950	52
1255	PT-23.18B, Containment Isolation Valve Leak Rate Testing "B" Containment Spray Header	52
1256	PT-23.19, Containment Isolation Valve Leak Rate Testing Safety Injection System	52
1253	PT-23.20, Containment Isolation Valve Leak Rate Testing R. C. D. T. Gas Header	52
1254	PT-23.21, Containment Isolation Valve Leak Rate Testing R. C. D. T. Gas Analyzer	52

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
719	M-37.57, Containment D. I. Check Valve 8419 Maintenance	52
1293	RF-9.1, Manipulator Crane	52
1287	RF-2A, Requirements for Reactor Head Removal	52
1283	RF-8.1, Step-by-Step Fuel Loading and Maps	52
1279	M-15.1, "A" or "B" Diesel Generator Removal From Service	52
1285	M-15.3.1, 1A Diesel Generator Solenoid Valves 5907 and/or 5907A Maintenance	52
1317	HP.3, Air Ejector Gas Sampling	52
1318	HP-9.2, Primary to Secondary Leakage Detection and Measurement	52
1328	PT-3, Containment Spray Pumps NaOH Additive System	52
1315	M-18, Acid Cleaning of Waste Evaporator	52
1329	O-6.9, Operating Limits for Ginna Station Transmission	52
1295	S-9M, Adding Reactor Makeup Water to Spent Fuel Pit	52
1348	QC-1701, Quality Assurance Records	53
1347	O-6.11, Routine Operations Check Sheet	53
1343	A-37.1, System Modification Requirements	53
1032	A-50.9.2, Non-Licensed Staff Retraining Program	53
1323	GS-31.0, Door Alarm System	53
1322	GS-28.0, Inspection of Personnel Vehicles and Packages	53
1342	A-37.0, Conduct of Operations for Safety-Related Evaluations as related to Facility or Modifications, Special Tests, Experiments	53
1341	A-50.2, R. E. Ginna Health Physics Orientation Program,	53

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1340	PC-18.3, Determination of Chloride by Specific Ion Electrode	53
1330	M-40.1, Hydraulic Snubber Removal and Reinstallation Procedure	53
1324	PT-34.1, Initial Criticality and ARO Boron Concentration	53
1326	M-40.8, Functional Testing of Hydraulic Snubbers	53
1325	RSSP-12, Testing of Primary and Secondary Relief Valves in Test Stand	53
1354	AR-AA-2, AVT Water Treatment Panel Trouble	55
1355	AR-AA-4, Standby Auxiliary Feedwater HVAC Trouble	55
1356	AR-AA-5, Standby Auxiliary Feedwater Pump CAR C or D Trip	55
1357	AR-AA-6, RCS Overpressurization Arm/Inhibit Loop "A" Select	55
1358	AR-AA-7, RCS Overpressurization Arm/Inhibit Loop "B" Select	55
1359	AR-AA-9, Condensate Booster Pump Pressurization Trip	55
1360	AR-AA-10, Condensate Booster Pump Trip	55
1361	AR-AA-14, N2 Accumulator, V-801A Low Pressure	55
1362	AR-AA-15, N Accumulator, V-801B Low Pressure	55
1363	AR-AA-22, RCS Overpressurization Protection High Pressure Train "A"	55
1364	AR-AA-23, RCS Overpressurization Protection High Pressure Train "B"	55
1366	AR-AA-25, Condensate System Low Pressure	55
1368	AR-AA-29, Condensate System Low Pressure Drop	55
1367	AR-AA-30, Condensate Booster Pump Low Suction Pressure	55

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1365	AR-AA-31, RCS Overpressurization Protection High Pressure Train "C"	55
1332	WC-1, A List of Sample Chemical Parameters and Sampling Schedule	55
1333	HP-7.3, Calibration of Alpha Survey Instruments	55
1331	GS-41, Photography at Ginna Station	55
1385	SC-3.17.3, Fire Brigade Drill Records	55
1386	SC-3.17.1, Planning, Conduct and Evaluation of a Fire Emergency Drill	55
1387	SC-1.10, Planning Conduct and Evaluation of a Radiation Emergency Drill	55
1388	A-50.11.4, General Employee Fire Training	55
1389	A-50.11.2, Fire Department Familiarization	55
1390	A-50.11.1, Fire Brigade Training	55
1391	A-50.11.0, Fire Fighting Organization and Training Program	55
1392	A-50.7, Emergency Coordinator Training Program	55
1336	PT-6.3.1, Power Range Nuclear Instrumentation System, Channel 41	55
1337	PT-6.3.2, " " " " System, Channel 42	55
1338	PT-6.3.3, Power Range Nuclear Instrumentation System, Channel 43	55
1339	PT-6.3.4, Power Range Nuclear Instrumentation System, Channel 44	55
1370	M-11.8C, Reactor Coolant Pump Major Inspection in Service Electrical	55
1371	M-11.8B, Reactor Coolant Pump Seal Inspection and Service Mechanical	55
1383	A-30.2, Plant Procedure Classification, Review, Approval and Distribution Requirements	55

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1372	A-30.3, Plant Procedure Content and Format Requirements	55
1377	AR-F-2, Alarm Response Procedure	55
1345	PT-2.1, Safety Injection System Pumps	55
1335	SC-1.12B, Station Call List	55
1369	A-60.3, Calibration Surveillance Program for Instrumentation Equipment or Safety-Related Components	55
1373	M-15.1, "A" or "B" Diesel Generator Removal From Service	55
1374	M-15.3.2, Diesel Generator, FLSI, Fuel Oil Level Switch High Maintenance	55
1376	M-18, Acid Cleaning of Waste Evaporator	55
1378	S-4.1C, Liquid Waste Process Operation and Shutdown	55
1384	S-7B, Reactor Coolant Low Pressure Purification	55
1393	O-6.11, Routine Operations Check Sheet	55
1382	PT-2.10, Check Valve Exercising Test Requirements-Cold/Refueling Shutdown	55
1381	RSSP-1.5, Valve Interlock Verification Feedwater Isolation	55
1349	WC-7, Chloride Determination	56
1350	WC-6, Potentiometric Determination of Boron	56
1351	WC-5, Ammonia and Organic Nitrogen Determination	56
1352	WC-3, Alkalinity Determination	56
1353	WC-4, Ammonia Determination by Direct Nesslerization	56
1402	EM-205, Turbine Runback Relay in RPI System Replacement	56
1442	EM-186, CR-9 Relay in RPI System Replacement	56

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1417	M-44.10, Isolation of MCC 1K and Restoring to Service	56
1418	M-31, Stator Replacement for Part-Length Control Rod Drive System	56
1419	M-37.18E, Inspection and Repair of Auxiliary Building Sump Pump Discharge Check Valves	56
1420	M-37.18F, Inspection and Repair of 1A Auxiliary Building Sump Tank Pump Discharge Check Valve	56
1421	M-37.43, Accumulator Drain Valves 844A and 844B Inspection and Repair	56
1422	M-37.27.1, Testing and Replacement of 1B Steam Generator Blowdown Sample Isolation Valves CV-77 *5736) or Manual Valve 5734	56
1423	M-11.26.1, Heater Drain Pump Mechanical Seal Inspection and Maintenance	56
1424	M-11.26, Heater Drain Pump Inspection and Maintenance	56
1425	M-11.25, Main Feedwater Pump Speed Increase Inspection and Maintenance	56
1426	M-11.23, Worthington Double-Helical Rotary Pump Inspection and Maintenance	56
1427	M-11.24, Main Feed Pump Inspection and Maintenance	56
1428	M-11.28, Rotary Air Samples Inspection and Maintenance	56
1429	M-53.1, Containment Air Locks Door Gasket Replacement	56
1430	M-53.2, Containment Air Lock Equalizing Valve Cleaning and Inspection	56
1431	M-37.16M, Isolation of V-356 for Maintenance	56
1432	M-37.18D, Check Valve 1713 Isolation N2 to R.C.D.T.	56
1433	M-37.20, Inspection and Repair of Main Steam Isolation Valves	56

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1434	M-37.18C, Inspection of Rockwell Check Valves in the Waste Gas and Nitrogen System	56
1435	M-37.2.1, Repacking Pressurizer Power Relief Guard Valves 515 and 516	56
1436	M-37.44, Immediate Boration Valve MOV-350 Maintenance	56
1397	A-50.9.1, Ginna Station Engineers (Cadet, Assistant Station and Station) Training Program	56
1143	A-52.2, Control of Locked Valve Operation	56
1444	PT-5.10, Process Instrumentation Reactor Protection Channel Trip Test (Channel 1)	56
1445	PT-5.20, Process Instrumentation Reactor Protection Channel Trip Test (Channel 2)	56
1446	PT-5.30, Process Instrumentation Reactor Protection Channel Trip Test (Channel 3)	56
1447	PT-5.40, Process Instrumentation Reactor Protection Channel Trip Test (Channel 4)	56
1443	PT-16, Auxiliary Feedwater System	56
1403	PT-6.3.2, Power Range Nuclear Instrumentation System, Channel 42	56
1405	PT-23.18A, Containment Isolation Valve Leak Rate Testing "A" Containment Spray Header	58
1406	PT-23.24, Containment Isolation Valve Leak Rate Testing Reactor Support Coolers (Inlet and Outlet)	58
1407	PT-23.26, Containment Isolation Valve Leak Rate Testing Auxiliary Coolant System to "A" Reactor Coolant Pump	58
1408	PT-23.27, Containment Isolation Valve Leak Rate Testing Auxiliary Coolant System to "B" Reactor Coolant Pump	58
1409	PT-23.28, Containment Isolation Valve Leak Rate Testing Auxiliary Coolant System From "A" Reactor Coolant Pump	58

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1410	PT-23.29, Containment Isolation Valve Leak Rate Testing Auxiliary Coolant System From "B" Reactor Coolant Pump	58
1411	PT-23.30, Containment Isolation Valve Leak Rate Testing Auxiliary Coolant System Excess Letdown (Supply and Return)	58
1455	A-30.3, Plant Procedure Content and Foremat Requirements	58
1450	AR-K31, Fire System Alarm Panel	58
1449	M-71.2, Module Rework/Test Procedure	58
1451	O-6.2, Main Control Board System Status Verification	58
1456	PT-2.2, Residual Heat Removal System	58
1438	RSSP-6.0, Containment Integrated Leakage Rate Test	58
1334	M-40, Surveillance and Maintenance of Hydraulic Snubbers	58
1475	S-7C, Transferring and Purification of RWST Water From RWST to SFP	58
1489	HP-12.3, Selection of Respirators	59
1496	HP-7.5, Pocket Dosimeter Accuracy and Leak Test	59
1501	P-3, Precautions, Limitations, and Setpoints P-3 Chemical and Volume Control System	59
1500	HP-1.2, External Exposure Limits	59
1494	M-40, Surveillance and Maintenance of Hydraulic Snubbers	59
1495	S-15.1, Flux Mapping Normal Procedure	59
1491	AR-F-10, Pressurizer Low Pressure Alarm	59
1483	O-6.6, Correcting Measured Boron Concentration to Reference Full Power Expected Boron Concentration	59

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1704	CP-80.2, Calibration Procedure for Inside Micrometers	69
1705	CP-80.3, Calibration Procedure for Venier Calipers	69
1613	PT-13.4.7, Protomatic Deluge Valve System Testing System	69
1614	PT-13.4.8, Protomatic Deluge Valve System Testing System #8	69
1615	PT-13.4.9, Protomatic Deluge Valve System Testing System	69
1666	PT-13.4.10, Protomatic Deluge Valve System Testing System #10	69
1708	S-4.1.22, Waste Evaporator Feed Tank Pump Isolation Restoration	69
1747	PT-13.1.12, Containment Post-Accident (Recirc) and/or Auxiliary Filter RTD Testing	69
1728	PT-23.36, Containment Isolation Valve Leak Rate Testing, Purge Exhibit	69
1729	RSSP-8.0, RTD Cross Calibration Check	69
1785	GS-28.1, Electronic Seatch Equipment Testing	69
1787	E-1.2, Loos of Coolant Accident	69
1783	CP-37.2, Low Voltage Power Supply NQ-402 Adjustments	69
1782	CP-35.3, Intermediate Raneg N-35 Calibration	69
1781	CP-35.4, Intermediate Range N-35 Bistable Relay Drivers Calibration	69
1780	CP-36.0, Intermediate Range Channel N-36 Calibration and/or Maintenance	69
1778	CP-36.2 N-36, General Reinstate Procedure	69
1777	CP-36.3, Intermediate Range N-36 Calibration	69
1776	CP-36.4, Intermediate Range N-36 Bistable Relay Drivers Calibration	69

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1775	CP-37.0, Calibration and/or Maintenance of Comparator Drawer N-37	69
1774	CP-37.1, Low Voltage Power Supply NQ-401 Adjustments	69
1773	CP-37.3, Low Voltage Power Supply NQ-403 Adjustments	69
1772	CP-37.4, Calibration of Level Trip Bistable Relay Driver NC-401	69
1771	CP-38.0, Calibration and/or Maintenance of Detector Current Comparator Drawer	69
1770	CP-38.1, Calibration and/or Maintenance of Power Supply NQ-601	69
1769	CP-38.2, Calibration and/or Maintenance of Power Supply NQ-602	69
1768	CP-38.3, Calibration and/or Maintenance of Averaging Circuit NM601	69
1767	CP-38.4, Calibration and/or Maintenance of Averaging Circuit NM602	69
1766	CP-40.0, Calibration and/or Maintenance of Delta Flux Controllers Channel 4	69
1765	CP-111.11, Reactor Makeup Water Flow Power Supply FQ-111	69
1764	CP-209.3, Model HFM-3, Hand and Foot Monitor Calibration	69
1763	CP-210.0, Calibration and/or Maintenance RMS Channel R-10A or R-10B	69
1754	CP-212.0, Calibration and/or Maintenance of RMS Channel R-12	69
1750	CP-213.0, Calibration and/or Maintenance of RMS Channel R-13	69
1730	CP-35.2, General Reinstatement Procedure	69
1732	CP-40.0, Calibration and/or Maintenance of Delta Flux Controllers Channel 4	69

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1733	CP-30.0, Calibration and/or Maintenance of Delta Flux Controllers, Channel 3	69
1734	CP-20.0, Calibration and/or Maintenance of Delta Flux Controllers, Channel 2	69
1735	CP-10.0, Calibration and/or Maintenance of Delta Flux Controllers, Channel 1	69
1736	CP-8.0, Calibration Alignment of T Avg. and Delta T at Zero Power Channel 4	69
1737	CP-7.0, Calibration Alignment of T Avg. and Delta T at Zero Power Channel 3, Loop B, Unit 1	69
1738	CP-6.0, Calibration Alignment of T Avg. and Delta T at Zero Power, Channel 2, Loop A, Unit 2	69
1739	CP-5.0, Calibration Alignment of T Avg. and Delta T at Zero Power, Channel 1, Loop A, Unit 1	69
1740	CP-2.20.5, Calibration Alignment of Pulse to Analog Converter Bank "D"	69
1741	CP-2.20.4, Calibration Alignment of Pulse to Analog Converter Bank "C"	69
1742	CP-2.20.3, Calibration Alignment of Pulse to Analog Converter Bank "B"	69
1743	CP-2.20.2, Calibration Alignment of Pulse to Analog Converter Bank "A"	69
1744	CP-2.20.1, Calibration of Pulse to Analog Converter Power Supply	69
1745	CP-2.20.0, Calibration and/or Maintenance of RPI Pulse to Analog Converter	69
1751	CP-212.3, Replacement of Detector for RMS Channel R-12	69
1752	CP-212.2, Calibration of R-12 Detector	69
1760	CP-210.3, Replacement of Detector for RMS Channel R-10A or R-10B	69
1759	CP-211.0, Calibration and/or Maintenance of RMS Channel R-11	69
1758	CP-211.1, Calibration of Ratemeter Drawer R-11	69

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1757	CP-211.2, Calibration of R-11 Detector	69
1756	CP-211.3, Replacement of Detector for RMS Channel R-11	69
1755	CP-211.4, Check of Flow Control System for R-11 and R-12	69
1762	CP-210.1, Calibration of Rate Meter Drawer R-10A or R-10B	69
1761	CP-210.2, Calibration of R-10A or R-10B Detectors	69
1779	CP-36.1, N-36, General Defeat	69
1731	CP-35.1, N-35, General Defeat	69
1753	CP-212.1, Calibration of Ratemeter Drawer R-12	69
1701	SM 76-17.3, Screen House Intake Heater Cable Tray Rework	71
1905	EM-207, Replacing Splices and Splice Sleeves for Pressurizer Level and Pressure Channels	71
1906	EM-208, Containment Recirculation Fan Splices	71
1907	EM0209, MOV-852A and 852B Splices	71
2022	QCIP-30, Visual Examination of Supports	72
1788	CP-220.3, Replacement of Detector for RMS Channel R-20	72
1789	CP-220.2, Calibration of R-20 Detector	72
1790	CP-220.1, Calibration of Ratemeter Drawer R-20	72
1791	CP-220.0, Calibration and/or Maintenance of RMS Channel R-20	72
1792	CP-219.3, Replacement of Detector for RMS Channel R-19	72
1793	CP-219.2, Calibration of R-19 Detector	72
1794	CP-219.1, Calibration of Ratemeter Drawer R-19	72
1795	CP-219.0, Calibration and/or Maintenance of RMS Channel R-19	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1796	CP-218.3, Replacement of Detector for RMS Channel R-18	72
1797	CP-218.1, Calibration of Ratemeter Drawer R-18	72
1798	CP-218.0, Calibration and/or Miantenance of RMS Channel R-18	72
1799	CP-217.3, Replacement of Detector for RMS Channel R-17	72
1800	CP-217.2, Calibration of R-17 Detector	72
1801	CP-217.11 Calibration of Ratemeter Drawer R-17	72
1802	CP-217.0, Calibration and/or Maintenance of RMS Channel R-17	72
1803	CP-216.3, Replacement of Detector for RMS Channel R-16	72
1804	CP-216.2, Calibration of R-16 Ddetector	72
1805	CP16.1, Calibration of Ratemeter Drawer R-16	72
1806	CP-216.0, Calibration and/or Maintenance of RMS Channel R-16	72
1807	CP-215.3, Replacement of RMS Channel R-15 Detector	72
1808	CP-215.1, Calibration of Ratemeter Drawer R-15	72
1809	CP-215.0, Calibration and/or Maintenance of RMS Channel R-15	72
1810	CP-214.3, Replacement of Detector for RMS Channel R-14	72
1811	CP-214.2, Calibration of R-14 Detector	72
1812	CP-214.1, Calibration of Ratemeter Drawer R-14	72
1813	CP14.0, Calibration and/or Maintenance of RMS Channel R-14	72
1814	CP-213.4, Check of R-13 and R-14 Flow Control System	72
1815	CP-213.3, Replacement of Detector for RMS Channel R-13	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1482	O-1.2, Plant From Hot Shutdown to Steady Load	59
1476	O-2.1, Normal Shutdown to Hot Shutdown	59
1479	PT-6.1, Source Range Nuclear Instrumentation System, Channel# _____	59
1478	PT-16, Auxiliary Feedwater System	59
1457	M-40.1, Hydraulic Snubber Removal and Re-installation Procedure	59
1459	M-73.2, Welding on Stainless Steel Piping or Components	59
1458	M-73.3, Welding on Carbon Steel Piping and Components	59
1505	RD-9, Preparing Waste for Shipment or Storage	59
1506	RD-10, Shipping Radioactive Material	59
1507	S-9R, Containment Sump "A" Water to Spent Fuel Pit and the Return to Normal	59
1488	SC-1.12B, Station Call List	59
1511	SC-1.3A, Site Radiation Emergency (Shift Foreman and Control Room	59
1460	M-11.8F, Reactor Coolant Pump - Internal Inspection	59
1461	M-11.8H, Reactor Coolant Pump - Impeller Assembly Decontamination	59
1462	M-11.5C, Minor Mechanical Inspection of the Auxiliary Feed Pumps for _____ Pump	59
1463	M-11.5B, Major Mechanical Inspection of the Auxiliary Feed Pumps for _____ Pump	59
1465	M-66.1, Boric Acid Evaporator Feed Tank Heater Replacement	59
1466	M-32, Use of Circuit Reaker Multi-Amp Test Unit	59
1467	M-56.2, Multi-Cable Electrical Penetration Epoxy Seal Repair	59

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1468	M-51.2, D. C. Voltage Monitor Relays for Safeguard Trains	59
1469	M-71.1, Bistable 431B for Pressure Controller PRV-431C Replacement	59
1470	M-72.1, Replacement Primary Loop RTD	59
1471	EM-154, Steam Generator _____ Handhole Cover Gasket Leak Repair Using "Furmanite" Process	59
1474	M-43.1.1, Steam Generator Insert Removal _____ Steam Generator	59
1472	M-16.1, Service Water Discharge Header For Turbine Building Isolation	59
1473	M-43.20A, "A" Steam Generator Secondary Side Pressure Test	59
1065	A-2.1, Receiving, Inventory and Shipment of Fuel	59
1497	PT-31, Safeguard Pump Bearing Temperature Check	59
1490	HP-7.4, Calibration of Neutron Survey Instruments	59
1352	WC-3, Alkalinity Determination	59
1508	SC-1.7F, Emergency Radiation Monitoring Off-Site Survey Team #9F	60
1509	SC-1.7H, Emergency Radiation Monitoring Off-Site Survey Team #9H	60
1549	A-50.12, Emergency Plan Training Program	60
1562	A-60.3, Calibration Surveillance Program for Instrumentation/Equipment of Safety Related Components	60
1558	PT-13.1.0, Testing and/or Maintenance of the Fixed Fire Detection and Extinguishing System	60

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1563	PT-13.1.9, Halon System Testing (Resetting) Computer Room and Relay Room	60
1517	M-40.6, Steam Generator Hydraulic Shock Suppressors Leakage Test and Inspection	60
1570	PC-18.2, Fluoride Determination	60
1566	PC-18.1, Chloride Determination	60
1610 & 1659	EM-199, Sludge Removal from Waste Holdup Tank	61
1576	WC-7.2, Determination of Chloride by Specific Ion Electrode	62
1519	WC-8, Amperometric Determination of Chlorine in Water	62
1520	WC-8.1, Chlorimetric Determination of Chlorine Water	62
1590	WC-10.0, Solution pH Determination by Glass Electrode Method	62
1602	PT-5.10, Process Instrumentation Reactor Protection Channel Trip Test (Channel 1)	62
1605	PT-5.20, Process Instrumentation Reactor Protection Channel Trip Test (Channel 2)	62
1604	PT-5.30, Process Instrumentation Reactor Protection Channel Trip Test (Channel 3)	62
1603	PT-5.40, Process Instrumentation Reactor Protection Channel Trip Test (Channel 4)	62
1609	PT-5.10, Process Instrumentation Reactor Protection Channel Trip Test (Channel 1)	62
1610	EM-199, Sludge Removal from Waste Holdup Tank	62
1643	EM-158, Seal Welding MOV-721 RHR to "B" Loop	62
1654	M-12.2, Immediate-Boration FT 113 Gaskets Replacement	62
1648	M-18.3, Waste Evaporator Inlet Check Valve 1769 Replacement	62

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1649	M-37.1A, Repacking of Pressurizer Spray Valves 431A and 431B	62
1647	M-37.18G, Inspection and Repair of 1B Auxiliary Building Sump Tank Pump Discharge Check Valve	62
1645	M-37.18H, Containment Spray Pump Discharge Check Valve 862A and/or 2B Inspection and Maintenance	62
1644	M-37.26.1, Testing and Repair of 1A Steam Generator Blowdown Sample Isolation Valves CV6 (5735)	62
1651	M-37.27, Inspection and Repair of 1B Steam Generator Blowdown Isolation Valve CV-71 (5737)	62
1650	M-37.47, RHR Pump Suction MOV-851A or MOV-851B Maintenance and Inspection	62
1646	M-37.48, Component Cooling from RC Pumps MOV-759A and/or MOV-759B Isolation and Maintenance	62
1652	M-37.49, Level Control Valve From "B" RCS Loop LCV-427 Maintenance and Inspection	62
1653	M-37.50, MOV-721 RHR to "B" Loop Maintenance and Inspection	62
1594	PC-2, Gross Degassed Beta-Gamma Activity in Primary Coolant	62
1066	A-2.8, Special Nuclear Material Inventoey and Record Requirements	62
1591	RD-8, Liquid Radwaste Compositing and Analysis	62
1574	PC-21, Hydrogen Peroxide Analysis	62
1575	PC-88 Reactor Coolant System Chemical Additions	62
1573	PC-10, Radioiodine Determination in Primary Coolant Unit T-10A Extraction	62
1598	RSSP.3, Air Supply for Integrated Leak Rate Test	62

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1597	RSSP-7.3, Reactor Trip Logic Relays Drop Out Times	62
1592	PC-5, Gamma Isotopic Analysis of Degassed Primary Coolant	62
1642	EM-157, Repair of Piping Leak on the B. A. Concentrates Holding Tank Pump Discharge	62
1513	PT-23.25, Containment Isolation Valve Leak Rate Testing Purge Supply	62
1512	PT-23.36, Containment Isolation Valve Leak Rate Testing Purge Exhaust	62
1608	HP-4.3, Work Permit Use	62
1595	HP-12.2, Medical Check, Fitting and Training of Personnel Using Respirators	62
1607	HP-12.5, Maintenance of Respirators	62
1606	M-53.1, Containment Air Locks Gasket Replacement	62
1572	0.4.1, Equilibrium Indicated Axial Flux Difference Determination	62
1611	0-6.11, Routine Operations Check List	62
1577	PC-18.3, Determination of Chloride by Specific Ion Electrode	62
1578	PT-2.2, Residual Heat Removal System	62
1596	A-1.1, Locked Radiation Areas	62
1612	A30.3, Plant Procedure Content and Format Requirements	62
None	GS-1.2, Ginna Station Security Event Report (2) 8/12/78 and 8/18/78	62
None	A-54.4, Duty Engineer Responsibilities 8/14/78	62
None	A-54.6, Health Physics Tour 8/14/78	62
None	0-6.7, Weekly Alarm Status Check 8/7/78	62
1695	S-27.348A, Valve 348A, Isolation	65

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1499	PT-13.1.10, Smoke Detector System Testing	66
1699	A-30.3, Plant Procedure Content and Format Requirements	66
1660	E-1.1, Safety Injection System Actuation	66
1661	E-1.2, Loss of Coolant Accident	66
1665	E-16.1, High Activity Radiation Monitoring System	66
1698	PT-6.3.1, Power Range Nuclear Instrumentation System, Channel 41	66
1697	PT-6.2, N.I.S. Intermediate Range Channels	
1696	PT-6.3.2, Power Range Nuclear Instrumentation System Channel 42	66
1666	M-11.5B, Major Mechanical Inspection of the Auxiliary Feed Pumps	66
1690	RF-52, Inspection Procedure for Exxon Nuclear Fuel Assemblies at R. E. Ginna	66
1686	SC-1.12B, Station Call List	66
1691	HP-12.6, Issuance, Proper Use and Return of Respirators	66
1579	PT-23.44, Containment Isolation Valve Leakrate Testing Leakage/Test Depressurization	66
1580	PT-23.45, Containment Isolation Valve Leakrate Testing Leakage Test/Instrumentation	66
1581	PT-23.48, " " " " Testing Deadweight Tester	66
1978	PT-23.49, Containment " " " Testing Construction Fire Service Water	66
1583	PT-23.50A " " " " Testing Containment Post Accident Air Sample (Clean Int. Building)	66
1584	PT-23.50B, Containment Isolation Valve Leak rate Testing Containment Post Accident Air Sample (Controlled Int. Building)	66

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1585	PT-23.50C, " " " " Testing Containment Post Accident Air Sample (Auxiliary Building)	66
1586	PT-23.51A, " " " " Testing "A" Hydrogen Recombiner (Pilot and Main)	66
1587	PT-23.51B, " " " " Testing "B" Hydrogen Recombiner (Pilot and Main)	66
1588	PT-23.51C, " " " " Testing "A" and "B" Hydrogen Recombiner Oxygen Makeup	66
1514	PT-23.34, " " " " Testing Depressurization at Power	66
1515	PT-23.33, " " " " Testing Service Air	66
1516	PT-23.32, " " " " Testing Instrument Air	66
1551	PT-23.43, " " " " Testing Leakage Test Supply Header	66
1552	PT-23.42, " " " " Testing Leakage Test Depressurization	66
1553	PT-23.40, Containment Isolation Valve Leakrate Testing Auxiliary Steam Supply and Condensate Return	66
1554	PT-23.39, Containment Isolation Valve Leakrate Testing Demineralized Water	66
1555	PT-23.46, Containment Isolation Valve Leakrate Testing Nitrogen to Accumulators	66
1556	PT-23.22, " " " " Testing R. C. D. T. Discharge	66
1557	PT-23.23, " " " " Testing Sump "A"	66
1617	PT-22, Containment Penetration Leakrate Testing	66
1618	PT-22.1, Equipment Hatch Door Seal Leakrate Test	66

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1619	PT-22.2, Personnel Hatch Door Seal Leakrate Test	66
1620	PT-22.3, Persnel Hatch Between Door Volume Leakrate Test	66
1621	PT-22.4, Equipment Hatch Between Door Volume Leakrate Test	66
1622	PT-22.5, Personnel Hatch Canopy Leakrate Test	66
1623	PT-22.6, Equipment Hatch " " "	66
1624	PT-22.7, Equipment Hatch O-Ring " "	66
1625	PT-22.8, Mechanical Manifold "A" " "	66
1626	PT-22.9, " " "B" " "	66
1627	PT-22.10, " " "C" " "	66
1628	PT-22.11, " " "E" " "	66
1629	PT-22.12, " " "F" " "	66
1630	PT-22.13, " " "G" " "	66
1631	PT-22.14, " " "H" " "	66
1632	PT-22.15, " " "I" " "	66
1633	PT-22.16, Mechanical Manifold "J" Leakrate Test	66
1634	PT-22.17, " " "K" " "	66
1635	PT-22.18 Electrical Manifold #I, Leakrate Test	66
1636	PT-22.19, " " #II " "	66
1637	PT-22.20, " " #III, " "	66
1638	PT-22.21, Mechanical Manifold "L" Leakrate Test	66
1639	PT22.22, Fuel Transfer Flange Leakrate Test	66
1640	PT-23, Containment Isolation Valve Leakrate Testing	66
1673	M-73.3, Welding on Carbon Steel Piping or Components	66
1672	M-73.2, Welding on Stainless Steel Piping or Components	66

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1589	PC-15.1, Solution pH Determination by Glass Electrode Method	66
1593	PC-7, Line 131, Equivalent Calculation	66
1565	WC9.0, Determination of Chromate	66
1569	WC-7.1, Fluoride Determination	66
1571	WC-9.1, Determination of Total Chromium in Water	66
1550	HP-1.5, Dosimeter Discrepancy Evaluation	66
1568	SM 78-1458, Spent Fuel Pit Roughing Filter Frame	66
1712	A-30.2, Plant Procedure Classification, Review, Approval and Distribution	67
1713	S-3.4F, Boron Recycle Process Shutdown	67
1671	SC-1.15, Inspection of Emergency Equipment	67
1693	PT-11.1, Heat Trace Circuitry Functional Check	67
1694	PT-11.60, Cell Battery Banks "A" and "B"	67
1715	P-1, Precautions, Limitations and Setpoints Reactor Control and Protection System	67
1670	HP-12.4, Fitting and Testing of Respirators	67
1714	CP-625.1, RHR Heat Exchanger Valve, HCV 625 Isolation	67
1711	GS-34.0, Vital Areas	67
1709	RF-8.0, Fuel Assembly and Core Component Movement Prerequisites and Precautions	67
1688	GS-42.0, Site Designated Vehicles	67
1786	EM-2, Splice Covering Removal on the 1D Containment Recirculation Fan	68
1702	CP-80.0, Calibration Procedure for Outside Micrometers	69
1703	CP-80.1, Calibration Procedure for Micrometer Depth Gages	69

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1816	CP-213.2, Calibration of R-13 Detector	72
1817	CP-213.1, Calibration of . Ratemeter Drawer R-13	72
1818	CP-403.5, T Avg (3 Sec) Lag Unit TM-403BB	72
1819	CP-403.4, T Avg Dana Amplifier PM03A	72
1820	CP-403.3, T Avg Dual Current Source TT-403	72
1821	CP-403.2, Reinstate of T Avg Signal for Channel 3	72
1822	CP-403.1, Defeat of T Avg Signal Channel 3	72
1823	CP-402.9, T Avg Indicator TI-402	72
1824	CP-402.8, T Avg Repeater TM-402W	72
1825	CP-402.7, T Avg Repeater TM-402C	72
1826	CP-402.5, T Avg (3 Sec) Lag Unit TM-402BB	72
1827	CP-402.4, T Avg Dana Amplifier TM-402A	72
1828	CP-402.3, T Avg Dual Current Source TT-402	72
1829	CP-402.2, Reinstate T Avg Signal for Channel 2	72
1830	CP-402.1, Defeat of T Avg Signal Channel 2	72
1831	CP-401.8, T Avg Repeater TM-401W	72
1832	CP-401.7, T Avg Repeater TM-401C	72
1833	CP-401.6, T Avg Bistable TC-401A	72
1834	CP-401.5, T Avg (3 Sec) Lag Unit TM-401BB	72
1835	CP-401.4, T Avg Dana Amplifier TM-401A	72
1836	CP-401.3, T Avg Dual Current Source TT-401	72
1837	CP-401.1, Defeat of T Avg Signal Channel 1	72
1838	CP-401.2, Reinstate T Avg Signal Channel 1	72
1839	CP-221.2, Calibration of R-21 Detector	72
1844	CP-426.8, Pressurizer Level Indicator LI-426	72
1845	CP-426.7, Pressurizer Level Repeater LM-426B	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1846	CP-426.6, Pressurizer Level Repeater LM-426A	72
1847	CP-426.5, Pressurizer Level Bistable LC-426A/B	72
1848	CP-426.4, Pressurizer Level Power Supply LQ-426	72
1849	CP-426.2, General Reinstate 426 Pressurizer Level	72
1850	CP-426.1, General Defeat Procedure 426 Pressurizer Level	72
1851	CP-426.0, Calibration and/or Maintenance of 426 Pressurizer Level Channel	72
1852	CP-416.7, Reactor Coolant Flow Indicator FI416	72
1853	CP-416.6, Reactor Coolant Flow Repeater FM-416	72
1854	CP-416.5, Reactor Coolant Flow Bistable FC-416	72
1855	CP-416.4, Reactor Coolant Flow Power Supply FQ-416	72
1856	CP-416.2, General Reinstate Procedure of Reactor Coolant Flow Channel 416	72
1857	CP-416.1, General Defeat Procedure of Reactor Coolant Flow Channel 416	72
1858	CP-416.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 416	72
1859	CP-415.7, Reactor Coolant Flow Indicator FI-415	72
1860	CP-415.6, Reactor Coolant Flow Repeater FM-415	72
1861	CP-415.5, Reactor Coolant Flow Bistable FC-415	72
1862	CP-415.4, Reactor Coolant Flow Power Supply FQ15	72
1863	CP-415.2, General Reinstate Procedure for Reactor Coolant Flow Channel 415	72
1864	CP-415.1, General Defeat Procedure of Reactor Coolant Flow Channel 415	72
1865	CP-415.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 415	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1866	CP-414.6, Reactor Coolant Flow Repeater FM-414	72
1867	CP-414.5 Reactor Coolant Bistable Flow FC-414	72
1868	CP-414.4, Reactor Coolant Flow Power Supply FQ14	72
1869	CP-414.2, General Reinstate Procedure of Reactor Coolant Flow Channel 414	72
1870	CP-414.1, General Defeat Procedure of Reactor Coolant Flow Channel 414	72
1871	CP-414.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 414	72
1872	CP-413.7, Reactor Coolant Flow Indicator FI-413	72
1873	CP-413.6, Reactor Coolant Flow Repeater FM-413	72
1874	CP-413.5, Reactor Coolant Flow Bistable FC-413	72
1875	CP-413.4, Reactor Coolant Flow Power Supply FQ13	72
1876	CP-413.2, General Reinstate Procedure Reactor Coolant Flow Channel 413	72
1877	CP-413.1, General Defeat Procedure Reactor Coolant Flow Channel 413	72
1878	CP-413.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 413	72
1879	CP-412.7, Reactor Coolant Flow Indicator FI-412	72
1880	CP-412.6, Reactor Coolant Flow Repeater FM-412	72
1881	CP-412.5, Reactor Coolant Flow Bistable FC-412	72
1882	CP-412.4, Reactor Coolant Flow Power Supply FQ-412	72
1883	CP-412.2, General Reinstate Procedure Reactor Coolant Flow Channel 412	72
1884	CP-412.1, General Defeat Procedure Reactor Coolant Flow Channel 412	72
1885	CP-412.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 412	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1886	CP-411.7, Reactor Coolant Flow Indicator FI-411	72
1887	CP-411.6, Reactor Coolant Flow Repeater FM-411	72
1888	CP-411.5, Reactor Coolant Bistable FC-411	72
1889	CP-411.4, Reactor Coolant Flow Power Supply FQ-411	72
1890	CP-411.2, General Reinstate Procedure of Reactor Coolant Flow Channel 411	72
1891	CP-411.1, General Defeat Procedure of Reactor Coolant Flow Channel 411	72
1892	CP-411.0, Calibration and/or Maintenance of Reactor Coolant Flow Channel 411	72
1893	CP-406.10.1, Defeat of Delta T Setpoint 1 Channel 2	72
1894	CP-404.9, T Avg Indicator TI-404	72
1895	CP-404.8, T Avg Repeater TM-404W	72
1896	CP-404.7, T Avg Repeater TM 404C	72
1897	CP-404.5, T Avg (3 Sec) Lag Unit TM-404BB	72
1898	CP-404.4, T Avg Dana Amplifier TM-404A	72
1899	CP-404.3, T Avg Dual Current Source TT-404	72
1900	CP-404.2, Reinstate of T Avg Signal for Channel 4	72
1901	CP-404.1, Defeat of T Avg Signal Channel 4	72
1902	CP-403.8, T Avg Repeater TM-403W	72
1903	CP-403.7, T Avg Repeater TM-403C	72
1904	CP-403.6, T Avg Bistable TC-403A	72
1909	CP-463.7, Steam Generator Level Repeater LM-463B	72
1910	CP-463.6, Steam Generator Level Bistable LC-463E	72
1911	CP-463.5, Steam Generator Level Bistable LC-463C/D	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1912	CP-463.4, Steam Generator Level Power Supply LQ63	72
1913	CP-463.2, Reinstate of A Steam Generator Level Channel 463	72
1914	CP-463.1, Defeat of A Steam Generator Level Channel 463	72
1915	CP-463.0, Calibration and/or Maintenance of Steam Generator Level Channel 463	72
1916	CP-462.8, Steam Generator Level Indicator LI-462	72
1917	CP-462.7, Steam Generator Level Repeater IM-462	72
1918	CP-462.5, Steam Generator Level Bistable LC-462A/B	72
1919	CP-462.4, Steam Generator Level Power Supply LQ-462	72
1920	CP-462.0, Calibration and/or Maintenance of Steam Generator Level Channel 462	72
1921	CP-461.8, Steam Generator Level Indicator LI-461	72
1922	CP-461.7, Steam Generator Level Repeater LM-461B	72
1923	CP-461.6, Steam Generator Level Repeater LM-461	72
1924	CP-461.5, Steam Generator Level Bistable LC-461A/B	72
1925	CP-461.4, Steam Generator Level Power Supply LQ-461	72
1926	CP-461.0, Calibration and/or Maintenance of Steam Generator Level Channel 461	72
1927	CP-449.11, Pressurizer Pressure Indicator PI-449B	72
1928	CP-449.9, Pressurizer Pressure Repeater PM-449C	72
1929	CP-449.10, Pressurizer Pressure Indicator PI-449	72
1930	CP-449.8, Pressurizer Pressure Repeater PM-449A	72
1931	CP-449.6, Pressurizer Pressure Bistable PC-449A	72
1932	CP-449.5, Pressurizer Pressure Lead/Lag Unit PM49B	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1933	CP-449.4, Pressurizer Pressure Power Supply PQ-449	72
1934	CP-449.2, General Reinstate Procedure for Pressurizer Pressure Channel 449	72
1935	CP-449.1, General Defeat Procedure for Pressurizer Pressure Channel 449	72
1936	CP-449.0, Calibration and/or Maintenance of Pressurizer Pressure Channel 449	72
1937	CP-431.11, Pressurizer Pressure Indicator PI-431	72
1938	CP-431.10, Pressurizer Pressure Repeater PM-431C	72
1939	CP-431.9, Pressurizer Pressure Repeater PM-431A	72
1940	CP-431.8, Pressurizer Pressure Bistable PC-431J	72
1941	CP-431.5, Pressurizer Pressure Lead/Lag Unit PM31B	72
1942	CP-431.4, Pressurizer Pressure Power Supply PQ-431	72
1943	CP-431.2, General Reinstate Procedure Pressurizer Pressure Channel 431	72
1944	CP-431.1, General Defeat Procedure 431 Pressurizer Pressure Channel 431	72
1945	CP-431.0, Calibration and/or Maintenance of Pressurizer Pressure Channel 431	72
1946	CP-430.10, Pressurizer Pressure Indicator PI-430	72
1947	CP-430.9, Pressurizer Pressure Repeater PM-430A	72
1948	CP-430.6, Pressurizer Pressure Bistable PC-430A	72
1949	CP-430.5, Pressurizer Pressure Leak/Lag Unit PM-430	72
1950	CP-430.4, Pressurizer Pressure Power Supply PQ-430	72
1951	CP-430.2, General Reinstate Procedure 430 Pressurizer Pressure Channel	72
1952	CP-430.1, General Defeat Procedure 430 Pressurizer Pressure Channel	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1953	CP-430.0, Calibration and/or Maintenance of 430 Pressurizer Pressure Channel	72
1954	CP-429.9, Pressurizer Pressure Bistable PC-429E	72
1955	CP-429.6, Pressurizer Pressure Bistable PC-429A	72
1956	CP-429.5, Pressurizer Pressure Lead/Lag PM-429B	72
1957	CP-429.4, Pressurizer Pressure Power Supply	72
1958	CP-429.0 Caibration and/or Maintenance of Pressurizer Pressure Channel 429	72
1959	CP-428.0, Calibration and/or Maintenance of Pressurizer Pressure Channel 428	72
1960	CP-427.7, Pressurizer Level Indicator LI-427	72
1961	CP-427.6, Pressurizer Level Bistable LC-427A/C	72
1962	CP-427.5, Pressurizer Level Bistable LC-427A/C	72
1963	CP-427.4, Pressurizer Level Power Supply LQ-427	72
1964	CP-427.0, Calibration and/or Maitnenance of Pressurizer Level Channel 427	72
1965	CP-427.1, Defeat of 427 Pressurizer Level	72
1966	CP-427.2, Reinstate 427 Pressurizer Level	72
1967	CP-428.1, Defeat of 428 Pressurizer Level	72
1968	CP-428.2, Reinstate 428 Pressurizer Level	72
1969	CP-429.2, General Reinstate Procedure of Pressurizer Pressure Channel 429	72
1970	CP-429.1, General Defeat Procedure of Pressurizer Pressure Channel 429	72
1987	CP-466.4, Feedwater Flow Power Supply FQ-466	72
1988	CP-466.2, Reinstate of A Feedwater Flow Channel 466	72
1989	CP-466.1, Defeat of A Feedwater Flow Channel 466	72
1990	CP-466.0, Calibration and/or Maintenance of Feedwater Flow Channel 466	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1991	CP-465.11, Steam Flow Recorder FR-465	72
1992	CP-465.10, Steam Flow Indicator FI-465	72
1993	CP-465.9, Steam Flow Repeater FM-465D	72
1995	CP-465.8, Steam Flow Repeater FM-465C	72
1996	CP-465.7, Steam Flow Square Root Extractor FM-465B	72
1997	CP-465.6, Steam Flow Multiplier/Divider FM-465A	72
1998	CP-465.5, Steam Flow Bistable FC-465A	72
1999	CP-465.4, Steam Flow Power Supply FQ-465	72
2000	CP-465.2, Reinstate of A Steam Flow Channel 465	72
2001	CP-465.1, Defeat of A Steam Flow Channe; 465	72
2002	CP-464.9, Steam Flow Repeater FM-464D	72
2003	CP-464.8, Steam Flow Repeater FM-464C	72
2004	CP-464.7, Steam Flow Square Root Extractpr FM-464B	72
2005	CP-464.5, Steam Flow Bistable FC-464A	72
2006	CP-464.4, Steam Flow Power Supply FQ-464	72
2007	CP-464.2, Reinstate of A Steam Flow Channel 464	72
2008	CP-464.1, Defeat of A Steam Flow Channel 464	72
2009	CP-463.8, Steam Generator Level Indicator LI0463	72
2010	CP-466.5, Feedwater Flow Square Root Extractor FM-466A	72
1982	PT-28, Control Room Air Handling Unit Efficiency Test of HEPA and Charcoal Filter Banks in the Accident Mode	72
1984	PT-29.1, Auxiliary Building HEPA and Charcoal Filter Efficiency Test	72
1985	PT-29.2, Controlled Access HEPA and Charcoal Filter Efficiency Test	72
1840	PC-7, Iodine 131 Calculation	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
1841	PC-6, E Total Activity and Maximum Acitivity in the Primary Coolant	72
2011	RD-5, Ventilation System Releases	72
1980	P-9, Precautions, Limitations and Setpoints, P-9, Radiation Monitoring System	72
1843	A-54.5, Bulk Storage of Combustible Materials and Their Use	72
1976	PT-16, Auxiliary Feedwater System	72
1842	A-60.1, Ginna Station Technical Specification Surveillance Program	72
1977	M-67.1, Protomatic Deluge Valve System Maintenance System Numbers 7, 8, 9, 10	72
1981	M-37.13, Inspection and Maintenance of A Loop Accumulator Discahrge Check Valve V-842B	72
1986	A-54, Ginna Station Administrative and Enginering Staff Responsibilities	72
1974	PT-18.3, 1C Instrument Air Compressor Air Capacity Check	72
1975	PT-18.2, 1B Instrument Air Compressor Air Capacity Check	72
1973	PT-20.1, Control Air System Integrity for Steam Line Power Relief Valves	72
1972	PT6, Containment Fan Recirculation Unit HEPA Filter Bank Testing	72
1971	ISI-1.2.9, Quality Group A Inservice Inspection	72
1994	RSSP-2.4, Containment Recirculation Fan Service Water Flow Test	72
1983	PT-29, Containment Purge and Exhaust A and B Efficiency Test of HEPA and Charcoal Filter Banks	72
1908	A-50.12, Emergency Plan Training Program	72
1784	SM 75-34.24, Rework of Hanger SCB-19	72
	S-12.2, Operator Action in the Event of Indication of Significant Increases in Leakage - Items a-i	72

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2039	A-20, Control Room Logs	73
2040	A-3, Containment Access	73
2019	SC-1.12C, Specialized Call List	73
2014	SC-1, Radiation Emergency Plan	73
2015	SC-1.7E, Emergency Radiation Monitoring On-Site Survey Team #9E	73
2016	SC-1.7G, Emergency Radiation Monitoring On-Site Survey Team #9G	73
2017	SC-1.3B, Site Radiation Emergency (Emergency Coordinator and Survey Center Assignees)	73
2018	SC-1.15, Inspection of Emergency Equipment	73
2020	SC-1.11A, Immediate Re-entry	73
2038	CP-429.2, General Reinstate Procedures of Pressurizer Pressure Channel 429	73
2024	CP-430.1, General Defeat Procedure 430 Pressurizer Pressure Channel	73
2026	CP-429.1, General Defeat Procedure of Pressurizer Pressure Channel 429	73
2027	CP-429.2, General Reinstate Procedure of Pressurizer Pressure Channel 429	73
2028	CP-449.1, General Defeat Procedure for Pressurizer Pressure Channel 449	73
2029	CP-449.2, General Reinstate Procedure for Pressurizer Pressure Channel 449	73
2030	CP-431.1, General Defeat Procedure 431 Pressurizer Pressure Channel	73
2031	CP-431.2, General Reinstate Procedure Pressurizer Channel 431	73
2043	HP-12.1, Usage of Respirators	73
2042	HP-12.4, Fitting and Testing of Respirators	73
2044	HP-12.2, Medical Check Fitting and Training of Personnel Using Respirators	73

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2041	HP-12.3, Selection of Respirators	73
2035	RD-7, Liquid Waste Release	73
2037	HP.1, Controlled Area Entry	73
2033	QC-1502, Non-Conformance Report	73
2013	E-6.1, Loss of Component Cooling During Power Operation	73
2034	S-3.4P, Transferring Concentrates from Boric Acid Evaporator Tank to Waste Evaporator Feed Tank for Drumming	73
2032	PT-2.3, Safeguard Valve Operation	73
2045	SM 75-10.28, Service Water Piping to Air Handling Units for Auxiliary Building Addition Rework	73
2073	CP-467.0, Calibration and/or Maintenance of Feedwater Flow Channel 467	74
2072	CP-467.1, Defeat of A Feedwater Flow Channel	74
2063	CP-468.11 Defeat of A Steam Generator Pressure Channel 468	74
2064	CP-468.0, Calibration and/or Maintenance of Steam Generator 468	74
2046	CP-471.0, Calibration and/or Maintenance of Steam Generator Level Channel 471	74
2159	CP-471.1, Defeat of Steam Generator Level Channel 471	74
2152	CP-472.0, Calibration and/or Maintenance of Steam Generator Level Channel 472	74
2151	CP-472.1, Defeat of Steam Generator Level Channel 472	74
2138	CP-473.0, Calibration and/or Maintenance of Steam Generator Level Channel 473	74
2139	CP-473.1, Defeat of B Steam Generator Level Channel 473	74

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2133	CP-474.1, Defeat of B Steam Flow Channel 474	74
2124	CP-475.0, Calibration and/or Maintenance of Steam Flow Channel 475	74
2113	CP-476.0, Calibration and/or Maintenance of B Feedwater Flow Channel 476	74
2112	CP-477.0, Calibration and/or Maintenance of Feedwater Flow Channel 477	74
2103	CP-477.1, Defeat of B Feedwater Flow Channel 4	74
2123	CP-475.1, General Defeat Procedure Steam Flow Channel 475	74
2055	CP-469.1, Defeat of A Steam Generator Pressure Channel 469	74
2091	S-1BB Shutdown of Rod Drive Motor Generator Sets	74
2162	HP-12.6, Issuance, Proper Use and Return of Respirators	74
2161	HP.3, Work Permit Use	74
2084	ISI-4.1.6, High Energy Inservice Inspection	74
2168	QC-1701, Quality Assurance Records	74
2163	E-1.2, Loss of Coolant Accident	74
2164	E-1.3, Steam Line Break Accident	74
2165	E-1.4, Steam Generator Tube Rupture Accident	74
2077	SC-1.12B, Station Call List	74
2166	PT-6.1, Source Range Nuclear Instrumentation System	74
2086	PT-2.3, Safeguard Valve Operation	74
2087	PT-2.4, Cold/Refueling MOV's Surveillance	74
2088	PT-2.5, AOV's Quarterly Surveillance	74
2089	PT-2.6, Cold/Refueling AOV's Surveillance	74
2167	PT-30, Containment Spray Nozzle Check of A & B Rings	74

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2090	PT-16.1, Auxiliary Feedwater System Flow Balance	74
2048	EM-210, Auxiliary Building Main Crane Replacement of Driver Axle	74
2180	EM-211, Replacing Splices and Splice Sleeves for Pressurizer Level and Pressure Channels	74
2160	S-1A, Startup of Rod Drive Motor Generator Sets	74
	EM-190, Repair of Auxiliary Feedwater Hanger, FWH-39	74
2083	M-40.4, Visual Leakage Inspection of High Energy Piping	74
2190	E-4.1, Safeguard Buses Low Voltage Condition	76
2191	E-9, Leakage Into the Component Cooling Loop	76
2192	E-23.2, Malfunction of #2 Reactor Coolant Pump Seal	76
2193	E-23.3, Malfunction of #3 Reactor Coolant Pump Seal	76
2194	E-23.4, Loss of Reactor Coolant Pump Seal Injection Supply	76
2195	E-26.1, Emergency Shutdown Resulting from a Reactor Trip from 8.5% Power or Less	76
2196	E-26.2, Emergency Shutdown Resulting from a Reactor Trip When Between 50% and 8.5% Power	76
2197	E-31, Automatic Turbine Load Runback	76
2198	E-36, Operator Actions to be Taken in the Event of Alarm Conditions on the Turbine Vibration Instruments	76
2188	M-40.6, Steam Generator Hydraulic Shock Suppressors Leakage Test and Inspection	76
2021	SC-1.12A, Immediate Call List	76
2187	S-15.3, Incore Movable Detector Alignment	76
2185	A-54.3, Open Flame, Welding and Grinding Permit	76

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2183	A-52.1, Shift Organization Relief and Turnover	76
2189	M-25, Adjustment Procedure for Thermally Compensating Supports on Main Steam Header Safety Valves and Power Operated Relief Valves	76
2199	O-1.1, Plant Heatup from Cold Shutdown to Hot Shutdown	76
2203	HP-10.3, Flow Rate Calibration of High Volume Air Samples	76
2170	GS-1.1, Security Operations Plan	76
2171	GS-7.0, Security Officer's Report	76
2172	GS-14.0, Security Guard Response to Trespassers	76
2173	GS-15.0, Security Guard Action if There is a Portal Monitor Alarm	76
2174	GS-16.0, Property Removal	76
2175	GS-21.1, Site Access Control (Security) for Emergency Situations	76
2176	GS-21.1, Unoccupied Vital Area Access Control	76
2177	GS-24.0, Security Surveillance Requirements and Procedures	76
2178	GS-28.0, Search of Personnel, Vechiles, and Packages	76
2179	GS-21.0, Door Alarm System	76
2023	A-50.9.3, Health Physics Technician Training and Responsibility Limits	76
2217	SC-1.12D, Management Call List	77
1560	PT-13.5, Fire Spray System External Header/Nozzle Inspection	78
1498	PT-13.1.14, Fire Barrier Penetration Seals	78
2212	A-3, Containment Access	78
2216	RSSP-1.1, Interlock Verification Residual Heat Removal System	78

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2215	PT-2.10.2, RHR System Core Deluge Check Valves	78
2220	A-17, Plant Operations Review Committee Operating Procedure	78
2219	S-4.1S, Liquid Waste Process Operation and Shutdown	78
2221	S-4.1E, Waste Condensate Releases	78
2182	PT-2.5.1, Air Operated Valve Quarterly Surveillance (Containment)	78
2225	S-4.2.9, Nitrogen Backup Supply to Auxiliary Building	79
2233	S-2.1A, Pre-Startup Lineup of Reactor Coolant Pump	79
2232	S-3.3B, Hydrogen Concentration Control	79
2231	S-4.2.2, 1A Waste Gas Compressor Startup	79
2230	S-4.2.4, Gas Decay Tank Operations	79
2229	S-4.2.6, Isolating Reactor Coolant Drain Tank from Vent Header	79
2228	S-6, Nuclear Instrumentation System	79
2224	S-14, Area and Process Radiation Monitoring System	79
2251	PT-23.37, Containment Isolation Valve Leakrate Testing - Reactor Compartment Cooling Unit A	79
2252	PT-23.28, Containment Isolation Valve Leakrate Testing - Reactor Compartment Cooling Unit B	79
2247	P-4, Precautions, Limitations and Setpoints Auxiliary Coolant System	79
2235	PT-29.3, Auxiliary Building Ventilation Main HEPA Filter Bank Testing	79
2237	RSSP-2.2, Diesel Generator Load and Safeguard Sequence Test	79
2241	RSSP-2.1A, Safety Injection Functional Test Alignment	79
2242	RSSP-1.3, Valve Interlock Verification - Chemical Volume and Control System	79

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2261	EM-190, Repair of Auxiliary Feedwater Hanger, FWH-39	79
2262	EM-206, Splice Covering Removal on the 1D Containment Recirculation Fan	79
2263	EM-207, Replacing Splices and Splice Sleeves for Pressure Level and Pressure Channels	79
2264	EM-208, Containment Recirculation Fan Splices	79
2265	EM-209, MOV-852A and 952B Splices	79
2269	HP-8.4, Radioactive Source Inventory	79
2254	S-15.2, Flux Mapping Emergency and Calibration Procedure	79
2250	PT-31, Safeguard Pump Bearing Temperature Check	79
2255	PT-2.1, Safety Injection System Pumps	79
2256	PT-2.2, Residual Heat Removal System	79
2257	PT-2.7, Service Water System	79
2259	PT-3, Containment Spray Pumps and NaOH Additive System	79
2260	PT-16, Auxiliary Feedwater System	79
2249	A-60.3, Calibration Surveillance Program for Instrumentation/Equipment of Safety Related Components	79
2248	M-45.4, Safeguard Motors Inspection	79
2270	HP-12.6, Issuance Proper Use and Return of Respirators	79
2271	SM 75-7.25, HVAC Backfits Rework	79
2244	RF-2, Reactor Refueling Outage Operations and Activities	79
2245	SC-1.12B, Station Call List	79
2234	A-54.6, Health Physics Tour	79
2236	PT-9, Undervoltage and Underfrequency Protection 11A and 11B 4160 Volt Buses	79

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2238	RSSP-13.1, Hydro on CVCS Class C Safety Related Piping, Part 1	79
2239	RSSP-13.2, Hydro on CVCS Class C Safety Related Piping, Part 2	79
2240	RSSP-14.1, Condenser Steam Dump Interlock Logic Test	79
2243	RSSP-1.2, Valve Interlock Verification - Safety Injection System	79
2252	PT-13.1.1, Protomatic Deluge Valve System Testing System Numbers 7, 8, 9, 10	79
2267	CP-70.6, West Pyrometer Calibration or Maintenance Serial No.	79
2213	HP-1.6, Neutron Exposure	79
1655	M-73.4, Welding of Carbon Steel Piping or Components to Stainless Steel Piping or Components	79
2200	WC.1, Beckman DU-2 Calibration Procedure	79
2202	SC-3.16.15, Charging of Air Pak Cylinders Compressor or Cascade Method	79
1477	SM 75-50.31, Jet Shielding Rework, Main Steam and Feedwater	79
2246	M-40.8, Functional Testing of Hydraulic Snubbers	79
2268	QC-1601, Corrective Action	79
2137	EM-212, Repair of Boric Acid Cation DI Backwash Drain Valve V-1163	80
2306	O-6.11, Routine Operations Check	81
2303	A-52.8, Ginna Station Curve Book Directions	81
2302	HP.5, Pocket Dosimeters Accuracy/Leak Rate Test	81
2312	PT-6.3.1, Power Range Nuclear Instrumentation System, Channel 41	81
2315	PT-6.3.2, Power Range Nuclear Instrumentation System, Channel 42	81

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2314	PT.3.3, Power Range Nuclear Instrumentation System, Channel 43	81
2313	PT.3.4, Power Range Nuceear Instrumentation System, Channel 44	81
2310	M-38.4, 1A Constant Voltage Transformer Maintenance	81
2309	CP-250.6, Calibration and/or Maintenance of Wind Speed Voltage Signal Conditioner	81
2323	PT-13.4.10, Protomatic Deluge Valve System Testing System #10A (#12A Transformer)	81
2266	PT-2.5.2, Air Operated Valves, Quarterly Surveillances (Valves 112B and 112C)	81
2036	PT-35, Welding Rod Oven Thermometers	81
2324	PT-13.4.10A, Protomatic Deluge Valve System Testing System 10A (#12A Transformer)	81
2327	S-4.5.4, Boron Recycle Base Removal DI Resin Replacement	81
2328	S-4.5.5, Boron Recycle Cation DI Resin Replacement	81
2304	O-1.2.2, Critical Rod Position Calculation	81
2331	SC-13.15.15, Emergency Fire Equipment Locker Inventory and Inspection	81
2369	M-38.9, Battery Charger Maintenance and/or Repair	82
2333	A-20, Control Room Logs	83
2326	M-56.1, Placement of Ceramic Fiber Penetration Seals	83
2359	RD-2, Containment Purge Releases	83
2316	T-32C, Velocity Flush of the Fire Water System	83
2373	T-32C, Velocity Flush of the Fire Water System	83
2329	HP.2, Self-Reading Dosimeter Use	83
2353	PC-22, Hydrazine Determination	83
2354	PC-15.2, Specific Conductance	83

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2357	PC-13, Dissolved Oxygen Determination	83
2367	CP-250.7, Calibration and/or Maintenance of Synchro to DC Converter	83
2360	A-1.1, Locked Radiation Areas	83
2358	PC-1.1, Primary Coolant Anaylsis Schedule and Limits	83
2347	M-37.38.1, Crosby Safety and Relief Valve Maintenance for Valve No.	83
2273	A-30.2, Plant Procedure Classification, Review, Approval and Distribution Requirements	83
2273	A-30.3, Plant Procedure Content and Format Requirements	83
2339	RD-6, Gas Decay Tank Releases	83
2342	CP-424.1, Calibration and/or Maintenance of Pressurizer Liquid Temperature R/I Converter	83
2343	CP-425.3, Calibration and/or Maintenance of Pressurizer Vapor Temperature Indicator TI-425	83
2344	CP-425.1, Calibration and/or Maintenance of Pressurizer Vapor Temperature R/I Concerter	83
2361	PC-16, Solids Determination	83
2345	EM-211, Replacing Splices and Splice Sleeves for Pressurizer Level and Pressure Channels	83
2346	EM-212, Review of B. A. Recycle Cation DI Backwash Drain Valve 1163	83
2335	QCIP-21, Shipping Package LL-50-100 Inspection	83
2236	QCIP-22, Shipping Package HN-100 Series 1 Inspection	83
2330	WC-2.0, Metrohm E-415 Titreactor Calibration	83
2372	SM 75-5.43, Final Reowrk for Standby Auxiliary Feedwater	83
2305	A-30.3, Plant Procedure Content and Format Requirements	84

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2463	SM 75-5.38, Standby Auxiliary Feedwater System Operational Testing	84
2456	CP-103.0, Calibration and/or Maintenance of Boric Acid Temperature Controller TIC-103	84
2457	CP-104.0, Calibration and/or Maintenance of Boric Acid Tank Temperature Indicator TI-104	84
2458	CP-105.0, Calibration and/or Maintenance of Boric Acid Tank Temperature Indicator TI-105	84
2459	CP-107.0, Calibration and/or Maintenance of Boric Acid Tank Temperature Controller TCI-107	84
2451	S-4.4.1, Spent Resin Package - Site Receipt and Shipment	84
2452	RD-10, Shipping Radioactive Material	84
2453	A-50.10, Operator Incident Review	84
2454	O-2.1, Normal Shutdown to Hot Shutdown	84
2375	RD-8, Waste Water Composite Calculations	84
2383	HP-4.1, Controlled Area Entry	84
2382	A-3, Containment Access	84
2381	PT.3.1, Power Range Instrumentation System Channel 41	84
2378	PT.3.2, Power Range Instrumentation System Channel 42	84
2379	PT-6.3.3, Power Range Instrumentation System Channel 43	84
2380	PT-6.3.4 Power Range Instrumentation System Channel 44	84
2377	RF-8.1, Step by Step Fuel Loading and Maps	84
2376	SC-1.12B, Station Call List	84
2386	CP-934.1, Accumulator Level Transmitter LT-934	84
2394	CP-920.1, Placing of Refueling Water Storage Tank Level Channel 920 Out of Service	84

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2413	CP-485.1, Defeat of Turbine First Stage Pressure Channel 485	84
2434	CP-482.1, Defeat of A Steam Generator Pressure Channel 482	84
2441	CP-479.1, Defeat of B Steam Gnerator Pressure Channel 479	84
2448	CP-478.1, Defeat of B Steam Generator Pressure Channel 478	84
2348	HP-7.7, Calibration of Beta Survey Instruments	84
2322	M-43.16.1, Steam Generator Tube Sheet Photo-Mapping	84
2341	PC-1.4, Operation of Gamma Analyser	84
2364	WC-3.1, Sodium Sulfate Determination	84
2362	WC-3.2, Solids Determination	84
2351	WC-3.3, Hardness Determination	84
2355	WC-10.1, Specific Conductance	84
2356	WC-12.0, Dissolved Oxygen Determination	84
2363	WC-12.1, Dissolved Oxygen Determination AZIDE Method	84
2352	WC-13.0, Hydrazine Determination	84
2350	WC-13.1, Free Hydroxide Determination	84
2365	WC-13.2, Silica Determination	84
2366	WC-13.3, Phosphate Determination	84
2349	WC-14.0, Oil and Grease Determination	84
	QC-801, PDR Control of Accepted Materials, Parts 85 and Components	
2384	CP-934.3, Accumulator Level Local Indicator LI-934	86
2385	CP-934.2, Accumulator Level Bistable LC-934	86
2387	CP-920.7, Refueling Water Storage Tank Level Indicator LI-920	86

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2389	CP-920.6, Refueling Water Storage Tank Level Bistable LC-920C	86
2390	CP-920.5, Refueling Water Storage Tank Level Bistable LC-920A/B	86
2391	CP-920.4, Refueling Water Stroage Tank Level Power Supply LQ-920	86
2392	CP-921.0, Calibration and/or Maintenance Procedure for Refueling Water Storage Tank Level Indicating Alarm	86
2393	CP-920.2, Placing of Refueling Water Storage Tank Level Channel 920 In Service	86
2395	CP-626.9, Residual Heat Removal Flow Channel Controller FC-626A	86
2396	CP-626.8, Residual Heat Removal Flow Channel	86
2398	CP26.7, Residual Heat Removal Flow Indicator FI-626	86
2399	CP-626.6, Residual Heat Removla Flow Square Root Extractor FM-626	86
2400	CP-701Turbine Driven Auxiliary Feedwater Pump Oil Pressure Regulator Adjustment	86
2401	CP-626.5, Residual Heat Removal Flow Channel Bistable FC-626B	86
2402	CP-626.4, Residual Heat Removal Power Supply FQ-626	86
2403	CP-486.2, Reinstate Turbine First Stage Pressure Channel 486	86
2404	CP-486.9, Turbnie First Stage Pressure Indicator PI-4	86
2405	CP-486.1, General Defeat Procedure Channel 486 First Stage Pressure	86
2406	CP-486.8, Turbine First Stage Pressure Transmitter Repeater FM-486A	86
2407	CP-486.7, Turbine First Stage Pressure Bistable PC-486B	86

OTHER CHANGES, TESTS AND EXPERIMENTS

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2408	CP-486.6, Turbine First Stage Pressure Impulse Unit PM-486B	86
2409	CP-486.5, Turbine First Stage Pressure Bistable PC-486A/C	86
2411	CP-486.4, Turbine First Stage Pressure Power Supply PQ-486	86
2412	CP-485.9, Turbine First Stage Pressure Indicator PI-485	86
2414	CP-485.8, Turbine First Stage Pressure Repeater PM-485B	86
2415	CP-485.7, Turbine First Stage Pressure Repeater PM-485A	86
2416	CP-485.6, Turbine First Stage Pressure Bistable PC-485C	86
2417	CP-485.5, Turbine First Stage Pressure Bistable PC-485A/B	86
2418	CP-485.4, Turbine First Stage Pressure Power Supply PQ-485	86
2419	CP-483.9, Steam Generator Pressure Indicator PI-483 and PI-483B	86
2420	CP-483.8, Steam Generator Pressure Repeater PM-483C	86
2421	CP-483.7, Steam Generator Pressure Repeater PM-483B	86
2422	CP-483.6, Steam Generator Pressure Bistable PC83A PC-483A	86
2423	CP-483.5, Steam Generator Pressure Lead/Lag Unit PM-483A	86
2424	CP-483.4, Steam Generator Pressure Power Supply PQ-483	86
2425	CP-483.2, Reinstate of B Steam Generator Pressure Channel 483	86
2426	CP-482.9, Steam Generator Pressure Indicator PI-482A and Remote PI-482B	86

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2427	CP-478.8, Steam Generator Pressure Repeater PM-478C	86
2428	CP-483.1, Defeat of B Steam Generator Pressure Channel 483	86
2429	CP-482.7, Steam Generator Pressure Repeater PM-482B	86
2430	CP-482.6, Steam Generator Pressure Bistable PC-482A	86
2431	CP-482.5, Steam Generator Pressure Lead/Lag Unit PM-482A	86
2432	CP-482.4, Steam Generator Pressure Power Supply PQ-482	86
2433	CP-482.3, Steam Generator Pressure Transmitter PT-482	86
2435	CP-479.8, Steam Generator Pressure Indicator PI-479	86
2436	CP-479.7, Steam Generator Pressure Repeater PM-479B	86
2437	CP-479.6, Steam Generator Pressure Bistable PC-479A	86
2438	CP-479.5, Steam Generator Pressure Lead/Lag Unit PM-479A	86
2439	CP-479.4, Steam Generator Pressure Power Supply FQ-479	86
2440	CP-479.2, Reinstate of B Steam Generator Pressure Channel 479	86
2442	CP-478.10, Steam Generator Pressure Indicator PI-478	86
2443	CP-478.8, Steam Generator Pressure Repeater PM-478C	86
2444	CP-478.7, Steam Generator Pressure Repeater PM-478B	86
2446	CP-478.6, Steam Generator Pressure Bistable PC-478A	86

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2447	CP-478.5, Steam Generator Pressure Lead/Lag Unit PM-478A	86
2449	CP-478.4, Steam Generator Pressure Power Supply PQ-478	86
2448	CP-478.1, Defeat of B Steam Generator Pressure Channel 478	86
2441	CP-479.1, Defeat of B Steam Generator Pressure Channel 479	86
2434	CP-482.1, Defeat of A Steam Generator Pressure Channel 482	86
2413	CP-485.1, Defeat of Turbine First Stage Pressure Channel 485	86
2394	CP-920.1, Placing of Refueling Water Storage Tank Level Channel 920 Out of Service	86
2386	CP-934.1, Accumulator Level Transmitter LT-934	86
2450	CP-478.0, Calibration and/or Maintenance of Steam Generator Pressure Channel 478	86
2445	CP-479.0, Calibration and/or Maintenance of Steam Generator Pressure Channel 479	86
2410	CP-486.0, Calibration and/or Maintenance of Turbine First Stage Pressure Channel 486	86
2397	CP-920.0, Calibration and/or Maintenance of 920 Refueling Water Storage Tank Level Channel	86
2388	CP-934.0, Calibration and/or Maintenance Procedure of Accumulator Level Channel 934	86
2485	SM 75-5.39, Standby Auxiliary Feedwater System Rework	86
2464	SM 75-14.1, Batch Tank Recirculation Heat Trace Installation	86
2340	WC-2.2, Calibration of Specific Ion Electrodes	86
2370	M-38.8, 1A Battery Charger Maintenance or Repair	86
2374	WC-14.1, Oil Film Thickness Determination	86
2362	WC-3.2, Solids Determination	86

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2461	M-43.0, Steam Generator Maintenance Test and Repair Procedures	86
2462	M-43.16, Steam Generator Explosive Tube Plugging Steam Generator	86
2467	HP-7.5, Pocket Dosimeter/Accuracy and Leak Test	86
2483	PT-13.5, Fire Spray System External Header/Nozzle Inspection	86
2484	PT-2.9.2, Accumulator Discharge Check Valves Quarterly Exercising	86
2371	SC-3.3.3, Fire Brigade Recall List	86
2085	SC-3.15.6, Fire Hose Reel Assembly Inspection	86
2334	S-12.4, RCS Leakage Surveillance Record Instructions	86
2471	S-12.4, RCS Leakage Surveillance Record Instructions	87
2307	PT-13.1.9, Halon System Testing (Resetting) Computer Room and Relay Room	87
2492	SC-3.3.1, Immediate Fire Notification	87
2493	SC-3.15.2, Fire Protection Equipment Impairment	87
2494	SC-3.16.6, Operating Instructions - Fusible Link Sprinkler System	87
2496	SC-3.16.7, Operating Instructions, Automatic Deluge System	87
2495	SC-3.16.8, Operating Instructions, Manual Deluge Systems	87
2497	SC-3.16.9, Operating Instructions, Halon 1301 Systems	87
2486	PT-20.1, Control Air System Integrity for Steam Line Power Relief Valve	87
2487	PT-5.10, Process Instrumentation Reactor Protection Channel Trip Test (Channel 1)	87

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2488	PT-5.20, Process Instrumentation Reactor Protection Channel Trip Test (Channel 2)	87
2489	PT-5.30, Process Instrumentation Reactor Protection Channel Trip Test (Channel 3)	87
2490	PT-5.40, Process Instrumentation Reactor Protection Channel Trip Test (Channel 4)	87
2472	PT-13.7, Fire Hose Reel Assembly Inspection	87
2479	A-30.3, Plant Procedure Content and Format Requirements	88
2538	HP-1.1, Issuing Personnel Dosimeters	88
2537	HP-1.3, External Exposure Records	88
2543	HP-2.2, Whole Body Counter Operation	88
2512	HP-11.4, High Volume Air Sampling	88
2525	AR/F1, High Condenser Pressure or Loss of Both Recirculating Water Pumps	88
2526	AR/H, High Condenser Pressure	88
2527	AR/K-17, Low Vacuum Trip	88
2517	PT-23.17A, Containment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter, PT45 and PT-946	88
2518	PT-23.17B, Containment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter, PT-947 and PT48	88
2519	PT-23.17C, Ctainment Isolation Valve Leak Rate Testing Containment Pressure Sensing Transmitter, PT49 and PT50	88
2520	PT-23.19, Containemtn Isolation Valve Leak Rate Testing Safety Injection System	88
2521	PT3.21, Containment Isolation Leak Rate Testing RCDT to Gas Anaylser	88
2499	S-27.365A, V-365A Isolation	88
2540	O-6, Operation and Process Monitoring	88

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2513	RD-1.3, Tritium in Containment Air Sampling and Analysis	88
2500	RD-3, Plant Vent Iodine and Particulate Releases Sampling and Anylysis	88
2501	RD-6, Gas Decay Tank Releases	88
2514	RD-12, Tritium in Air Sampling and Analysis	88
2544	GS-8.0, Detex Tours by Security Guards	88
2522	CP-134.0, Letdown Line Flow Loop 134 Calibration and/or Maintenance	88
2531	CP-501.1, Voltmeter Calibration for 480V Circuit Bus #13	88
2532	CP-501.2, Voltmeter Calibration for 480V Circuit Bus #15	88
2533	CP-501.3, Voltmeter Calibration for 480V Circuit Bus #14 (Safeguard)	88
2524	CP-501.4, Voltmeter Calibration for 480V Circuit Bus #17	88
2535	CP-501.5, Voltmeter Calibration for 480V Circuit Bus #16 Safeguard Device NN	88
2536	CP-501.6, Voltmeter Calibration for 480V Circuit Bus #18 (Safeguard)	88
2542	CP-2030.0, 1B Motor Driven Auxiliary Feedwater Pump Discharge Pressure Loop 2030	88
2523	PC-13, Dissolved Oxygen Determination	88
2535	PC-1.4, Operation of Gamma Analyzer	88
2515	PC-1.1, Analysis Schedule and Limits, Primary Coolant	88
2473 & 2455	A-1, Radiation Control Manual	88
2528	T-6.1, Regeneration of the Condensate Polishing Mixed Bed Demineralizer Unit	88
2529	T-6.2, Air Bump and Rinse Cleaning of the Condensate Polishing Mixed Bed Demineralizer Units	88

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2516	T-6.1, Regeneration of the Condensate Polishing Mixed Bed Demineralizer Unit	88
2503	PT-6.3.1, Power Range Nuclear Instrumentation System, Channel 41	88
2504	PT-6.3.2, Power Range Nuclear Instrumentation System, Channel 42	88
2505	PT-6.3.3, Power Range Nuclear Instrumentation System, Channel 43	88
2506	PT-6.3.4, Power Range Nuclear Instrumentation System, Channel 44	88
2475	PT-13.4.12, Alarm Valve System Testing Fire System #12, Turbine Island Sprinkler	88
2476	PT-13.4.13, Alarm Valve System Testing Fire System #13 Service Building Sprinkler	88
2477	PT-13.4.15, Alarm Valve System Testing, Fire System #15 Warehouse	88
2482	SM 74-28.1, Installation of Makeup Lines to Condensate Storage Tanks	88
2637	CP-2093.3, Atmospheric Relief Valve 1B (CV-57) Control Pressure Switch 2093	90
2636	CP-2093.2, General Reinstate Procedure 2093 Atmospheric Relief Valve 1B (CV-57) Control	90
2633	CP-2092.3, Atmospheric Relief Valve 1A (CV-56) Control Pressure Switch 2092	90
2632	CP-2092.2, General Reinstate 2092 Atmospheric Relief Valve 1A (CV-56) Control	90
2629	CP-950.7, Containment Pressure Indicator PI-950	90
2628	CP-950.6, Containment Pressure Repeater PM-950	90
2627	CP-950.5, Containment Pressure Bistable PC-950A/B	90
2626	CP-950.4, Containment Pressure Power Supply PQ-950	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2625	CP-950.3, Containment Pressure Transmitter PT-950	90
2624	CP-950.22 Reinstate of B-3 Containment Pressure Channel 950	90
2621	CP-949.7, Containment Pressure Indicator PI-949	90
2620	CP-949.6, Containment Pressure Repeater PM-949	90
2619	CP-949.5, Containment Pressure Bistable PC-949A/B	90
2618	CP-949.4, Containment Pressure Power Supply PQ-949	90
2617	CP-949.3, Containment Pressure Transmitter PT-949	90
2616	CP-949.2, Reinstate of B-1 Containemnt Pressure Channel 949	90
2613	CP-948.7, Containment Pressure Indicator PI-948	90
2612	CP-948.6, Containment Pressure Repeater PM-948	90
2611	CP-948.5, Containment Pressure Bistable PC-948A/B	90
2610	CP-948.4, Containment Pressure Power Supply PQ-948	90
2609	CP-948.3, Containment Pressure Transmitter PT-948	90
2608	CP-948.2, Reinstate of B-2 Containmeyt Pressure Channel 948	90
2605	CP-947.7, Containment Pressure Indicator PI-947	90
2604	CP-947.6, Containment Pressure Repeater PM-947	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2603	CP-947.5, Containment Pressure Bistable PC-947A/B	90
2602	CP-947.4, Containment Pressure Power Supply PQ-947	90
2601	CP-947.3, Containment Pressure Transmitter PT-947	90
2600	CP-947.2, Reinstate A-3 Containemnt Pressure Channel 947	90
2597	CP-946.7, Containment Pressure Indicator PI-946	90
2596	CP-946.6, Containment Pressure Repeater PM-946	90
2595	CP-946.5, Containment Pressure Bistable PC-946A/B	90
2594	CP-946.4, Containment Pressure Power Supply PQ-946	90
2593	CP-946.3, Containment Pressure Transmitter PT-946	90
2592	CP-946.2, Reinstate of A-2 Containment Pressure Channel 946	90
2589	CP-945.7, Containment Pressure Indicator PI-945	90
2588	CP-945.6, Containment Pressure Repeater PM-945	90
2587	CP-945.5, Containment Pressure Bistable PC-945A/B	90
2586	CP-945.4, Containment Pressure Power Supply PQ-945	90
2585	CP-945.3, Containment Pressure Transmitter PT-945	90
2584	CP-945.2, Reinstate of A-1 Containment Pressure Channel 945	90
2635	CP-2093.1, General Defeat Procedure 2093 Atmospheric Relief Valve 1B (CV-57) Control	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2631	CP-2092.1, General Defeat Procedure 2092 Atmospheric Relief Valve.1A (CV-56) Control	90
2623	CP-950.1, Defeat of B-3 Containment Pressure Channel 950	90
2615	CP-949.1, Defeat of B-1 Containment Pressure Channel 949	90
2607	CP-948.1, Defeat of B-2 Containment Pressure Channel 948	90
2599	CP-947.1, Defeat of A-3 Containment Pressure Channel 947	90
2591	CP-946.1, Defeat of A-2 Containment Pressure Channel 946	90
2583	CP-945.1, Defeat of A-1 Containment Pressure Channel 945	90
2582	CP-945.0, Calibration and/or Maintenance of Containment Pressure Channel 945	90
2581	CP-941.4, Accumulator Pressure Local Indicator PI-941	90
2580	CP-941.3, Accumulator Pressure Bistable PC-941A/B	90
2579	CP-941.2, Accumulator Pressure Power Supply PQ-941	90
2578	CP-941.1, Accumulator Pressure Transmitter PT-941	90
2576	CP-940.4, Accumulator Pressure Local Indicator PI-940	90
2575	CP-940.3, Accumulator Pressure Bistable PC-940A/B	90
2574	CP-940.2, Accumulator Pressure Power Supply PQ-940	90
2573	CP-940.1, Accumulator Pressure Transmitter PT-940	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2571	CP-939.3, Accumulator Level Indicator LI-939	90
2570	CP-939.2, Accumulaotr Level Bistable LC-939A/B	90
2569	CP-939.1, Accumulator Level Transmitter LT-939	90
2567	CP-938.3, Accumulator Level Indicator LI-938	90
2566	CP-938.2, Accumulator Level Bistable LC-938A/B	90
2565	CP-938.1, Accumulator Level Transmitter LT-938	90
2563	CP-937.4, Accumulator Pressure Indicator PI-937	90
2562	CP-937.3, Accumulator Pressure Bistable PC-937A/B	90
2561	CP-937.2, Accumulator Pressure Power Supply PQ-937	90
2560	CP-937.1, Accumulator Pressure Transmitter PT-937	90
2558	CP-936.4, Loop A Accumulator Pressure Local Indicator	90
2557	CP-936.3, Accumulator Pressure Channel Bistable PC-936A/B	90
2556	CP-936.2, Accumulator Pressure Power Supply PQ-936	90
2555	CP-936.1, Accumulator Pressure Transmitter PT-936	90
2553	CP-935.3, Accumulator Level Indicator LI35	90
2552	CP-935.2, Accumulator Level Bistable LC-935A/B	90
2551	CP-935.1, Accumulator Level Transmitter LT-935	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2630	CP-2092.0, Calibration and/or Maintenance of 2092 Atmospheric Relief Valve 1A (CV-56) Control	90
2634	CP-2093.0, Calibration and/or Maintenance of 2093 Atmospheric Relief Valve 1B (CV-57) Control	90
2622	CP-950.0, Calibration and/or Maintenance of Containment Pressure Channel 950	90
2614	CP-949.0, Calibration and/or Maintenance of Containment Pressure Channel 949	90
2590	CP-946.0, Calibration and/or Maintenance of Containment Pressure Channel 946	90
2598	CP-947.0, Calibration and/or Maintenance of Containment Pressure Channel 947	90
2606	CP-948.0, Calibration and/or Maintenance of Containment Pressure Channel 948	90
2550	CP-935.0, Calibration and/or Maintenance of Accumulator Level Channel 935	90
2554	CP-936.0, Calibration and/or Maintenance of Accumulator Pressure Channel 936	90
2559	CP-937.0, Calibration and/or Maintenance of Accumulator Pressure Channel 937	90
2564	CP-938.0, Calibration and/or Maintenance of Accumulator Level Channel 938	90
2568	CP-939.0, Calibration and/or Maintenance of Accumulator Level Channel 939	90
2572	CP-940.0, Calibration and/or Maintenance of Accumulator Pressure Channel 940	90
2577	CP-941.0, Calibration and/or Maintenance of Accumulator Pressure Channel 941	90
2546	CP-920.0, Calibration and/or Maintenance 920 Refueling Water Storage Tank Level	90
2639	SC-1.12B, Station Call List	90
2646	S-12.4, RCS Leakage Surveillance Record Instructions	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2545	S-26.1, Computer Program Check	90
2548	M-38.9, 1B1 Battery Charger Maintenance or Repair	90
2641	PT-5.40, Process Instrumentation Reactor Protection Channel Trip Test (Channel 4)	90
2644	RD-2, Containment Purge Release	90
2645	HP-10.1, Quality Control of Counting Systems	90
2643	HP-10.6, Calibration of the Liquid Scintillation Counter	90
2649	HP-7.4, Calibration of Neutron Survey Instruments	90
2549	HP-1.2, External Exposure Limits	90
2647	A-19, Changes in Written Procedures	90
2640	M-51.3, Non-Controlling Relay Replacement for TC39X	90
2654	T-14A, Feedwater Heaters Valve Alignment	90
2655	T-5A, Condensate System Lineup, Charging and Venting	90
2530	T-6.9, Condensate Polishing Mixed Bed Demineralizer Units: Bed Startup Operation and Bed Removal from Service Operation	90
2507	CP-209.5, Calibration and/or Maintenance of RMS Ratemeter for Channels R-8, R, and R-23 through R-28	90
2511	CP-222.0, Calibration and/or Maintenance of RMS Channel	90
2508	CP-222.1, Calibration of Ratemeter Drawer R-22	90
2510	CP-222.2, Calibration of R-22 Detector	90
2509	CP-222.3, Replacement of Detector for RMS Channel R-22	90
2638	SM 78-1657.1, Installation of 42" Duct for Control Room Ventilation	90

<u>PCN # 78</u>	<u>Procedure & Title</u>	<u>Meeting # 78</u>
2671	M-11.4.10, Charging Pump Gear Reducer Inspection	91
2704	PT-2.5, Air Operated Valves, Quarterly Surveillance	93

All of the above items were reviewed by the Committee with respect to the Technical Specifications and the Committee has determined that no Technical Specification changes or violations were involved in the changes and there are no unresolved safety questions.

System Modification SM 77-1449

System Modification SM 77-1449, Diesel Fire Pump Heater. This modification involved installation of a water heater on the Diesel driven Fire Pump.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-9.24

System Modification SM 75-9.24, RWST Jet Shielding Installation Rework. This procedure included the steps necessary to rework the jet shields near the Refueling Water Storage Tank for GSM-14.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1474

System Modification SM 77-1474, RC Pump Seal Bypass. This modification included the relocation of the RC Pump Seal Bypass lines as recommended by Westinghouse.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-47.30

System Modification 75-47.30, Rework of CVCS Hangers Inside Containment. This procedure involved the reworking of the CVCS Hangers for GSM-3.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-5.40

System Modification SM 75-5.40, Standby Auxiliary Feedwater System Rework Inside Containment. This procedure involved reworking of the pipe supports on the 3" Standby Auxiliary Feedwater Piping, in conjunction with procedure SM-75-5.24.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1498.1

System Modification SM 77-1498.1, Low Power S/G Feedwater Bypass Control Modification. This procedure included modifying the feedwater bypass valve control circuitry for low power steam generator level control.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1485

System Modification SM 78-1485, Dillon Load Cell Stand. This modification involved installation of the Dillon Load Cell Stand.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1845

System Modification SM 78-1845, Guide Stud Storage Rack. This modification involved installation of a new Guide Stud Storage Rack in the reactor cavity.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1865

System Modification 78-1865, "A" Steam Generator Air Mover Restraint. This modification involved installation of an "A" Steam Generator Air Mover Restraint.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1480

System Modification SM 78-1480, "A" Reactor Coolant Pump Handrails. This modification involved the installation of the "A" Reactor Coolnat Pump Handrails

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1464

System Modification SM 78-1464, Volume Control Tank and Accumulator Level. This modification involved installation of improved Volume Control Tank and Accumulator Level control instruments.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-2160

System Modification SM 78-2160, GSM 7 Pipe Supports. This modification involved the installation of the GSM 7 Pipe Supports on the Auxiliary Feedwater Piping.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1877

System Modification SM 77-1877, RCP Anti-Rotation Pins. This modification involved the installation of the RCP Anti-Rotation Pins.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-13.2

System Modification 77-13.2, Inspection of Containment Antenna Coaxial Cable. This procedure involved inspection of the Containment antenna coaxial cable which has already been installed.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1873

System Modification SM 78-1873, Pressurizer Jib Crane Extension. This modification involved installation of the Pressurizer Jib Crane Extension.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-10.3

System Modification SM 77-10.3, Containment Personnel Hatch Hinge Assembly Modification Inner Hatch Door. This procedure required adding bearing supports to the upper main hinge shaft of the Inner Personnel and Equipment Hatch doors of the Containment Vessel.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-21.5

System Modification SM 76-21.5, Battery Room Air Conditioning - Service Water Piping Installation. This procedure involved installation of the service water piping and associated hangers for the battery room air conditioner.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-21.4

System Modification 76-21.4, Battery Room Air Conditioning - Air Conditioner Discharge Duct South End of Battery Room. This procedure involved installation of the hangers, ductwork and dampers required for the discharge of the air conditioning unit.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-21.6

System Modification SM 76-21.6, Battery Room Air Conditioning - Air Supply Duct to the Air Conditioner. This procedure involved installation of the hangers, ductwork and dampers required for the air supply to the air conditioner. This installation was for the ductwork in the air handling room up to and including the fire damper in the wall between this room and the turbine building.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1623.1

System Modification SM 77-1623.1, Charging Pump Monorail Installation. This procedure involved installation of the monorails above the three charging pumps to facilitate removal and installation of the pumps.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1832A.1

System Modification SM 77-1832A.1, Circuit Separation Fuse Installation. This procedure involved installation of fuses to protect electrical circuits from adjacent fires.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1057.1

System Modification SM 77-1057.1, Relocation of the Charging Pump Filter Vent. This procedure involved the relocation of the charging pump filter vent from the inlet side of the 3" bypass valve to the discharge side.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1048

System Modification 78-1048, Accumulator Relief, EWR 1048. This modification involved installation of a new hanger on relief lines from the accumulators.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.23

System Modification SM 77-1660.23, RCS Overpressure Protection Loop 452 Rack R2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 452 loop power supply, alarm, test points, lights and test switches in the R2 protection rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.24

System Modification SM 77-1660.24, RCS Overpressure Protection Loop 455 Rack W2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 455 loop power supply, alarm, test point, test switch and light in the W2 protection rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.25

System Modification SM 77-1660.25, RCS Overpressure Protection Loop 456 Rack R2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 456 loop power supply, alarm, test point, test switch and light in the R2 protection rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.26

System Modification SM 77-1660.26, RCS Overpressure Protection Loop 409 Rack RCS 2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 409 loop alarm bistable in the RCS 2 rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.27

System Modification 77-1660.27, RCS Overpressure Protection Loop 410 Rack RCS 2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 410 loop alarm bistable in the RCS 2 rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.28

System Modification SM 77-1660.28, RCS Overpressure Protection Modification of the Relay Racks. This procedure included the installation and wiring of the relay racks to be used for the overpressure protection modification.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.29

System Modification SM 77-1660.29, RCS Overpressure Protection Modification Annunciator Termination. This procedure included the installation and wiring of the annunciators which will be used for the overpressure protection modification.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.21

System Modification SM 77-1660.21, RCS Overpressure Protection Loop 450 Rack B2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 450 loop power supply, alarm, test point, test switch and light in the B2 protection rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.22

System Modification SM 77-1660.22, RCS Overpressure Protection Loop 451 Rack W2 Instrumentation Installation and Wiring. This procedure included the installation and wiring of the 451 loop power supply, alarm, test points, lights and test switches in the W2 protection rack.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-26.4

System Modification 76-26.4, Installation of 7.5 KVA Floor Mounted Constant Voltage Transformer 1B. This procedure involved replacing the existing constant voltage transformer with new solid state controls unit using existing installed wiring.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-21.7

System Modification SM 76-21.7, Battery Room Air Conditioning - Miscellaneous. This procedure involved pouring the concrete pad, installing dampers and making necessary wiring connections.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-26.2

System Modification SM 76.26.2, Installation of 1B Inverter and Alternate Power Supplies. This procedure involved replacing the existing inverter and manual transfer alternate power supply with a new solid state inverter/static switch, automatic transfer to C.V.T. alternate power supply (and maintenance supply to instrument Bus 1B, if applicable).

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-26.3

System Modification SM 76-26.3, Installation of 7.5 KVS Flow Mounted Constant Voltage Transformer 1A. This procedure involved replacing the existing constant voltage transformer with new solid state controls unit using existing installed wiring.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-26.1

System Modification SM 76-26.1, Installation of 1A Inverter and Alternate Power Supplies. This procedure involved replacing the existing inverter and manual transformer alternate power supply with a new solid state inverter/static switch, automatic transfer to C.V.T. alternate power supply (and maintenance supply to Instrument Bus 1A, if applicable).

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1682.1

System Modification 77-1682.1, Penetration Testing Modification - Penetration 304. This procedure involved the installation of hanger PA 401 and necessary piping modifications on Penetration 304.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-27.1

System Modification SM 76-27.1, Penetration 332 Modification. This procedure involved installing hanger PA 401 and necessary piping modifications on Penetration 332.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-11.10

System Modification SM 76.11.10, No. 12B Auxiliary Transformer Deluge System Tie-In. This procedure involved installing the tie-in to the "B" Deluge Header for the No. 12 Auxiliary Transformer deluge system. This tie-in includes the elbow, the "G" pipe, the blind flanged 6" x 4" x 6" tee and the 4" gate valve.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1682.4

System Modification SM 77-1682.4, Penetration Testing Modification Penetration 107. This procedure involved installing hangers PA 407 and PS 408, and necessary piping modifications on Penetration 107.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1682.2

System Modification SM 77-1682.2, Penetration Testing Modification Penetration 202. This procedure involved installing hangers PA 409 and PA 410 and necessary piping modifications on Penetration 202.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1682.3

System Modification 77-1682.3, Penetration Testing Modification - Penetration 210. This procedure involved the installation of hangers PA 402, PG 403 and PA 404 and necessary piping modifications on Penetration 210.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.2

System Modification SM 77-1660.2, Overpressurization Mechanical Package. This procedure involved installing piping, valve piping hangers and accumulator vessels for the RCS overpressurization modification.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-01.1

System Modification SM 76-01.1, Safeguard Buses DC Control Voltage Monitor. This procedure involved installation of necessary relays and terminations for the safeguard buses DC Control Voltage Monitor.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.10

System Modification SM 77-1660.10, RCS Overpressurization Protection Electrical Conduit and Wiring. This procedure involved installation and fabrication of conduit, conduit supports and wire/cable excluding terminations for RCS Overpressurization Protection System.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-2.10

System Modification SM 77-2.10, D.I. Water Containment Isolation - Electrical Conduit and Wiring. This procedure involved fabrication and installation of conduit, conduit supports and wire/cable excluding terminations for the D.I. Water Containment Isolation Valve.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-2273.1

System Modification 78-2273.1, Armor Plate on the East Wall of the Control Room. This procedure involved the installing armor plate and necessary structural steel on the east wall of the Control Room.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.1

System Modification SM 77-02.1, D.I. Water to Containment Modification Mechanical. This procedure involved installing valves, piping and piping hangers on the demineralized water line going to Containment.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1048.1

System Modification SM 78-1048.1, Accumulator Relief Modification. This procedure involved installation of a new hanger on the 1" relief line from both accumulators and cut off the relief valve discharge lines before the elbow.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-2273

System Modification SM 78-2273, Armor Plate - East Wall of Control Room. This modification involved installation of armor plate on the East Wall of the Control Room.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1875.1

System Modification SM 78-1875.1, "A" Feedwater Venturi Monorail. This procedure involved fabrication and erection of a monorail above the "A" Feedwater Venturi.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1480.1

System Modification 78-1480.1, "A" RCP Ladder and Handrail Installation. This procedure involved erection of handrails, ladders and miscellaneous steel by the "A" Reactor Coolant Pump.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1890.1

System Modification SM 78-1890.1, Feedwater Line Drain Valves Before the Containment Check Valves. This modification involved the installation of a drain line and valve on each feedwater line before vlaves 3992 and 3993.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1474.1

System Modification SM 77-1474.1, RCP Seal Bypass Modification. This procedure involved relocating the #1 Seal Bypass piping and necessary hangers on the Reactor Coolant Pumps.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-14

System Modification SM 75-14, Boric Acid Batch Tank Recirculation Piping and Supports. This modification involved installing the necessary piping, valves and hangers to allow the transfer of boric acid from either storage tank to the batch tank.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1485.1

System Modification SM 78-1485.1, Dillon Cell Storage Frame. This procedure involved the fabrication and installation of platform modifications for the Dillon Cell Storage frame.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1845.1

System Modification 78-1845.1, Guide Stud Storage Racks. This procedure involved the fabrication and installation of the Guide Stud Storage Racks on the wall of the Refueling Cavity.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-2160.1

System Modification SM 78-2160.1, GSM-7 Pipe Supports. This modification involved the fabrication and installation of the GSM-7 Pipe Supports on the Auxiliary Feedwater Piping.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-28.2

System Modification SM 76-28.2, Flange Installation on Feedwater Flow Venturis - "A" Feedwater Line. This procedure involved installation of flanges upstream and downstream of the main feedwater flow venturis on the "A" Feedwater line.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-5.50

System Modification SM 75-5.50, Auxiliary Feedwater Hanger AFW-51 Repair. This procedure involved repairing Hanger AFW-51, including removal of some existing structural members and replacement with new materials.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-01.2

System Modification SM 76-01.2, Cable Installation for the DC Control Fuses. This procedure involved installation of the cable for the D.C. Control Fuses excluding terminations.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.15

System Modification 77-1660.15, Instrumentation Tie-Ins for RCS Overpressurization. This procedure involved miscellaneous instrumentation installation on the new RCS overpressurization N2 piping to describe the steps necessary to make the tie-in to the instrument air in containment and to describe the steps necessary to make the tie-ins for the new loop pressure transmitters onto the existing flow transmitter takeoffs.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1865.1

System Modification SM 78-1865.1, Steam Generator "A" Air Mover Installation. This procedure involved fabrication and installation of the air mover holding frame.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1873.1

System Modification SM 78-1873.1, Pressurizer Jib Crane. This procedure involved fabrication and installation of the Pressurizer Jib Crane Extension.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.11

System Modification SM 77-1660.11, RCS Overpressurization Protection - Electrical Terminations in the Control Room and in the Field. This procedure involved instructions necessary to make cable terminations on new equipment installed in the field and on new equipment installed in the Control Room. This does not include terminations in the racks.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.2

System Modification SM 77-02.2, Hydrostatic Testing and Initial Service Leak Test of the Demineralized Water to Containment Modification. This procedure involved testing the new piping installed using SM 77-02.1.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1682.10

System Modification 77-1682.10, Hydrostatic Testing of Penetration 143 Piping Modification. This procedure involved testing the piping modifications installed using SM 77-1682.5.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.12

System Modification SM 77-02.12, Demineralized Water Containment Isolation. This procedure involved mounting relay C14X, install rack wiring in SIA2 and SIB2 racks, and terminate field wires at SIA2 and SIB2 racks.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1660.100

System Modification SM 77-1660.100, Pneumatic Testing of the RCS Overpressure Protection System. This procedure involved performing pneumatic tests on the RCS overpressure protection system.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.20

System Modification SM 77-02.20, Checkout Testing of the Containment DI Water Automatic Isolation Valve 8418. This procedure involved verifying proper operation and installation of valve 8418.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.15

System Modification SM 77-02.15, Air Tie-In for the DI Water to Containment. This procedure involved tying in the instrument air for Valve 8418.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-02.11

System Modification 77-02.11, Electric Termination of Valve 8414 and in the Control Room for DI Water to Containment. This procedure involved making the electrical terminations at the Containment DI Automatic Isolation Valve 8418 and to describe the steps necessary to install necessary switch and lights in the control board and make necessary terminations. This does not include terminations covered by SM 77-02.12.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1888.1

System Modification SM 78-1888.1, Spray Additive Tank Recirc. Line Shutoff Valve Installation. This procedure involved installation of a shutoff valve and nipple on an existing plug connection for the spray additive tank recirc. line.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-26.5

System Modification SM 76-26.5, Installation of 7.5 KVA Floor Mounted Constant Voltage Transformer Backup Supply for Instrument Buses A-B-C & D. This procedure involved replacing the existing transformer with new solid state controls unit using the existing installed wiring.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-50.30

System Modification SM 75-50.30, Rework of Jet Shielding for Main Steam Bypass Piping and Valves. This procedure involved rework of the jet shielding for the main steam bypass piping and valves.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1030.1

System Modification SM 77-1020.1, Neutralizing Tank Modification. This procedure involved allowing recirculation mode of the neutralizing tank pump and to prevent discharge from the neutralizing tank when there is a pH alarm from the retention tank.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1449.1

System Modification 77-1449.1, Diesel Fire Pump Heater. This procedure involved installing an engine coolant heater and an engine coolant filter to the Diesel Fire Pump.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1458.1

System Modification SM 78-1458.1, Spent Fuel Pit Roughing Filter Frame. This procedure involved the installation of spent fuel pit roughing filter frames.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1405.1

System Modification SM 77-1405.1, Installation of Conduit for Security System. This procedure involved installation of conduit for the Security System and provided a procedure to control Q.A. aspects of the modification.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-17.3

System Modification SM 76-17.3, Screenhouse Intake Heater Cable Tray Rework. This procedure involved installation rework of Hilti Fastenings to Nuclear Safety-Related structural steel by a power actuated fastening tool per NCR-G-78-57

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-18.1

System Modification SM 76-18.1, Waste Condensate Pumps, Monitor Tank Pump and Laundry Pump Motor Controller Modification. This procedure involved modifications to ensure that a liquid release is terminated if R-18 Monitor detects high activity.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-2110.1

System Modification 77-2110.1, Chem Lab D.I. Storage Tank Cable Routing. This procedure involved providing tank level indication at the D.I. Plant Control Panel.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-50.31

System Modification SM 75-50.31, Jet Shielding Rework, Main Steam and Feedwater. This procedure involved documenting the work required to correct open items from NCR-G-77-139. These were incomplete items from SM 75-50.21 for GSM-8.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1836.3

System Modification SM 77-1836.3, Relocation of Hangers SWIH 38 and 39. This procedure involved relocating Service Water Hangers SWIH 38 and 39.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 76-11.21

System Modification SM 76-11.21, 12B Transformer Grinnel Valve Alteration. This procedure involved altering the position of Grinnel Multi-matic Valve Model A-4 for the 12B Auxiliary Transformer Deluge System so that locking water is on the inlet side of the O.S. & Y. Valve.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-5.43

System Modification SM 75-5.43, Final Rework for Standby Auxiliary Feedwater. This procedure involved resolving all known remaining deficiencies associated with the installation of GSM-16, Standby Auxiliary Feedwater System. Also, this describes the rework necessary to completely resolve NCR-G-77-131.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 75-14.1

System Modification 75-14.1, Batch Tank Recirculation Heat Trace Installation. This procedure involved installation of a permanent heat trace on the Boric Acid Batch Tank Recirculation Piping.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 74-28.1

System Modification SM 74-28.1, Installation of Makeup Lines to Condensate Storage Tanks. This procedure involved installation and return to service of the new makeup line for the Condensate Storage Tank.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 78-1657.1

System Modification SM 78-1657.1, Installation of 42" Duct for Control Room Ventilation. This procedure involved fabrication of hangers and installation of the 42" duct for Control Room Ventilation.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

System Modification SM 77-1663.1

System Modification SM 77-1663.1, Spent Fuel Pit Wall Temperature Monitor. This procedure involved installation of a temperature monitor for the Spent Fuel Pit/Refueling Canal Wall.

A Safety Evaluation was performed and it was determined that the possibility of an accident is not increased. A change in the Plant Operating Technical Specifications is not necessary.

