

CHALLENGES AND FAILURES OF SAFETY RELIEF VALVES

From April 1, 1980 to December 31, 1981

1. On June 28, 1980, while performing a hydro of the reactor vessel prior to the initial startup following a refueling outage on Unit No. 2, safety relief valve B21-F013E opened at 1000 psig and closed at 200 psig.
2. On September 1, 1980, while performing the ADS Valve Test on Unit No. 2, safety relief valve B21-F013E would not open when given an open signal from the RTGB. The cause for this valve not opening was a broken valve actuator solenoid coil wire.

TEST OR EXPERIMENT NOT DESCRIBED IN THE FSAR

Title

Trip Logic Test of the Emergency Bus Master and Slave Breakers from the Emergency Bus

Date

August 7, 1980

Description

This procedure is to verify the trip logic for the emergency bus master and slave breakers from the emergency bus.

Safety Analysis

This is a special troubleshooting procedure to verify the trip logic of the emergency buses master and slave breakers. The safety of the plant is not affected by the test.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
1-4-80	XII	12	MP-10 - Preventive Maintenance Program - Revised the date to after May 31, 1980, that MIs have to conform to MP format.
1-4-80	XII	15	MP-3 - Calibration of Process Instruments - Revised the date to after May 31, 1980, that MIs must conform to MP format.
1-4-80	XII	4	MP-11 - Control of Relay and Overload Settings - Revised the date to after May 31, 1980 that MIs must conform to MP format.
1-4-80	XII	5	MP-16 - Writing Corrective Maintenance Instructions - Revised the date to after May 31, 1980, that MIs must conform to MP format.
1-4-80	VII	0	OWP-7/1 - CRD Mechanical _____ Removal with Fuel in the Vessel - initial issue.
1-4-80	VII	0	OWP-7/2 - CRD Mechanism _____ Removal Without Fuel in the Vessel - initial issue.
1-4-80	VII	0	OWP-7/3 - Venting CRD's During Vessel Hydro - Original issue.
1-4-80	VII	0	OWP-7/4 - CRD System HCU Valve Repair - Original issue.
1-4-80	VII	0	OWP-7/5 - HCU Valve Repair with Rod Withdrawn - Original issue.
1-4-80	VII	0	OWP-7/6 - Investigation of HCU Problems With the Reactor Critical and the CRD at Position 48 - Original issue.
1-4-80	VII	0	OWP-7/8 - Leaking Control Rod Accumulator Repairs to the Nitrogen Side - Original issue.
1-4-80	VII	0	OWP-7/9 - HCU Filter Replacement with Rod Withdrawn - Original issue.
1-4-80	VII	0	OWP-17/7 - RHR SW Pump Motor Cooler Valve Repair - Original issue.
1-4-80	VII	0	OWP-17/8 - Repair of RHR Steam Condensing Isolation Valve - Original issue.
1-4-80	VII	0	OWP-17/9 - Repair Seat on Ell-F004 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER ANL TITLE/CHANGE
1-4-80	VII	0	OWP-17/10 - Remove and Relap F009 Valve for RHR S/D Cooling - Original issue.
1-4-80	VII	0	OWP-17/11 - Modification of RHR Steam Condensing Line Pipe Hangers - Original issue.
1-4-80	VII	0	OWP-17/12 - Adjust Valve Position Indication for Ell-F009 - Original issue.
1-4-80	VII	0	OWP-17/13 - Removing an RHR Loop from Service to Clean, Inspect or Repair RHR Pump Seal Coolers - Original issue.
1-4-80	VII	0	OWP-18/1 - Repair of Keep Fill System Relief Valve Original issue.
1-4-80	VII	0	OWP-18/2 - Core Spray F015B - Original issue.
1-4-80	VII	0	OWP-18/3 - Core Spray Injection Line Replacement - Original issue.
1-4-80	VII	0	OWP-18/4 - Repair of 2-E21-V51 Drainline - Original issue.
1-4-80	VII	0	OWP-18/7 - Core Spray System Snubber and Pipe Support Work - Original issue.
1-4-80	VII	0	OWP-18/8 - Repair of Core Spray Vent Valve - Original issue.
1-4-80	VII	0	OWP-19/1 - Repair HPCI Turbine Oil Piping - Original issue.
1-4-80	VII	0	OWP-19/2 - Changing Oil in HPCI Oil Sump - Original issue.
1-4-80	VII	0	OWP-19/3 - Changing HPCI Auxiliary Oil Pump - Original issue.
1-4-80	VII	0	OWP-19/4 - HPCI Speed Control Adjustments - Original issue.
1-4-80	VII	0	OWP-19/5 - Repair of HPCI Steam Line Test Connection - Original issue.
1-4-80	VII	0	OWP-19/7 - HPCI F001 Valve Seat Repair - Original issue.
1-4-80	VII	0	OWP-19/8 - HPCI F007 Valve Motor Repair - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
1-4-80	VII	0	OWP-19/9 - Repair of HPCI Steam Line Instrument, Vent or Drain Valves - Original issue.
1-4-80	VII	0	OWP-19/10 - HPCI E41-F002/F003 Inoperative Steam Isolation Valve - Original issue.
1-4-80	VII	0	OWP-19/11 - HPCI Turbine/Pump Speed Control Failure - Original issue.
1-4-80	VII	0	OWP-19/12 - Repair of HPCI System Motor-Operated Valves - Original issue.
1-4-80	VII	0	OWP-19/13 - Calibration of HPCI Flow Transmitter E41-FT-N006 - Original issue.
1-4-80	VII	0	OWP-19/14 - HPCI Turbine/Inspecting Mechanical Overspeed Device - Original issue.
1-4-80	VII	0	OWP-19/17 - HPCI Control Valve Actuator Replacement - Original issue.
1-4-80	VII	0	OWP-19/18 - HPCI-Repair of Flow Controller R600 - Original issue.
1-4-80	VII	0	OWP-19/19 - HPCI-Isolation to Investigate Water in Oil - Original issue.
1-4-80	VII	0	OWP-19/20 - Calibration of HPCI Steam Line Drain Pot Level Controller - Original issue.
1-4-80	VII	0	OWP-19/21 - Adjustment of Mechanical Speed Trip Setpoint - Original issue.
1-4-80	VII	0	OWP-24/1 - MSIV Seat Repair - Original issue.
1-4-80	VII	0	OWP-24/3 - Tightening Packing on MSIVs - Original issue.
1-4-80	VII	0	OWP-24/5 - Removal of MSIV - Original issue.
1-4-80	VII	0	OWP-24/6 - MSIV-Valve Position Indication Repair - Original issue.
1-4-80	VII	0	OWP-24/7 - RWCU Isolation Valve Repairs (Electrical) - Original issue.
1-4-80	VII	0	OWP-24/8 - Repair of Drywell-Suppression Pool Vacuum Breaker Indication - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
1-4-80	VII	0	OWP-32/1 - Removing a High Pressure Feedwater Heater Train from Service and Isolating for Maintenance - Original issue.
1-4-80	VII	0	OWP-39/2 - Diesel Generator Annual Inspection - Original issue.
1-4-80	VII	0	OWP-39/6 - Removing the D.G. Excitation System from Service - Original issue.
1-4-80	VII	0	OWP-39/7 - Repair Jacket Water Leaks on D.G. - Original issue.
1-4-80	VII	0	OWP-39/10 - Minor Repair to Diesel Components - Original issue.
1-4-80	N/A	0	SP-79-34 - Feedwater Level Control Stability Test - Original issue.
1-4-80	N/A	0	SP-79-39 - Main Generator Auto/Manual Voltage Regulator Test - Original issue.
1-7-80	X	9	PT 7.2.3 - Core Spray System - Added a leak check as a result of TMI review.
1-7-80	III	24	OP-17 - RHR - Revised to ensure there is adequate delta pressure between RHR and RHR SW when transferring into shutdown cooling.
1-7-80	III	11	OP-43 - Service Water System - Added a caution not be exceed RHR SW flow of 6000 gpm until reactor is \leq 75 psig.
1-7-80	X	6	PT-2.2.1a - Instrumentation Isolation Valves - Revised to change penetrations X62B, X62C, X69E and X82A to spares.
1-9-80	VI	12	EI-31 - Reactor Scram - Revised to add scram verification statements, to correct level error numbers and to add a caution on shutting off ECCS equipment.
1-9-80	VII	0	OWP-2/3 - Reactor Recirculation Pump Seal Vent Valve Repair - Original issue.
1-9-80	VII	0	OWP-7/7 - CRD Mechanism _____ Removal with Fuel in the Vessel - Original issue.
1-9-80	VII	0	OWP-9/1 - RBM Channel 'A' or 'B' Repair - Original issue.

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1-9-80	VII	0	OWP-9/2 - APRM _____ Failure Upscale or Downscale - Original issue.
1-9-80	VII	0	OWP-10/1 - Repair of _____ SBGT Train Following Deluge Valve Operation - Original issue.
1-9-80	VII	0	OWP-10/2 - Removal of SBGT Train from Service for Minor Maintenance - Original issue.
1-9-80	VII	0	OWP-11/1 - Main Steam Line Rad Monitor _____ Repair and Restore to Service - Original issue.
1-9-80	VII	0	CWP-16,1 - RCIC - Original issue.
1-9-80	VII	0	CWP-16/2 - RCIC E51-F007 LLRT and Repair - Original issue.
1-9-80	VII	0	JWP-16/3 - RCIC E51-F045 Valve Motor Repair - Original issue.
1-9-80	VII	0	OWP-16/4 - RCIC Turbine Control Problem - Original issue.
1-9-80	VII	0	OWP-16/5 - RCIC-Repair of RCIC Steam Line Drain, Vent or Instrument Valves - Original issue.
1-9-80	VII	0	OWP-16/6 - RCIC Calibrate Flow Transmitter E51-FT-N003 - Original issue.
1-9-80	VII	0	OWP-16/7 - RCIC Trip and Throttle Valve - Original issue.
1-9-80	VII	0	OWP-16/9 - RCIC E51-F045 Motor Replacement/Repair - Original issue.
1-9-80	VII	0	OWP-16/10 - Calibration of RCIC Steam Line Drain Pot Level Controller - Original issue.
1-9-80	VII	0	OWP-16/11 - Changing Out Oil in RCIC - Original issue.
1-9-80	VII	0	OWP-16/12 - Repair Vents, Drains and Instrument in Feed Flow Line - Original issue.
1-9-80	VII	0	OWP-17/1 - A RHR Loop - Original issue.
1-9-80	VII	0	OWP-17/2 - Removal and Replacement of Motor from E11-F040 - Original issue.

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1-9-80	VII	0	OWP-17/3 - Repair of Ell-F008 Valve Motor - Original issue.
1-9-80	VII	0	OWP-17/4 - Removing RHR Service Water Pump from Service for Oil Change - Original issue.
1-9-80	VII	0	OWP-17/5 - Changing Oil in A/B Pump Motors - Original issue.
1-9-80	VII	0	OWP-17/6 - Removal of RHR Heat Exchanger for Valve Repair - Original issue.
1-9-80	VII	0	OWP-17/14 - RHR System Minor Valve Repair - Original issue.
1-9-80	VII	0	OWP-17/15 - Repair of Various Valves on Suppression Pool Cooling Section of RHR - Original issue.
1-9-80	VII	0	OWP-17/16 - Inspection or Repair of RHR System Valve Operators - Original issue.
1-9-80	VII	0	OWP-18/11 - Removing CS for Preventive Maintenance on 4160 Breakers - Original issue.
1-9-80	VII	0	OWP-19/22 - Removal of HPCI Keep-Fill System from Operation - Original issue.
1-9-80	VII	0	OWP-39/11 - Repair of DG Speed Control Governor - Original issue.
1-9-80	VII	0	OWP-39/12 - Removal of # _____ DG from Service - Original issue.
1-9-80	VII	0	OWP-39/13 - Removal of # _____ DG from Service for Calibration of TAC-PAC Switches - Original issue.
1-9-80	VII	0	OWP-43/1 - Repair of RHR SW Pump Drain Line - Original issue.
1-9-80	VII	0	OWP-43/2 - Repack RHR SW Pump - Original issue.
1-9-80	VII	0	OWP-43/4 - Repair Various Leaks on RHR Service Water Piping - Original issue.
1-9-80	VII	0	OWP-43/5 - RHR SW Pump Motor Cooler Zinc Inspection/Replace - Original issue.

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1-9-80	VII	0	OWP-43/6 - Electrical Failure of 1/2-E11-F068A/B - Original issue.
1-9-80	VII	0	OWP-50/1 - De-energizing Substation 2E - Original issue.
1-9-80	VII	0	OWP-50/2 - De-energizing Substation 2F - Original issue.
1-9-80	VII	0	OWP-51/0 - De-energizing Both DC Batteries While in Condition 5 - Original issue.
1-9-80	VII	0	OWP-51/1 - 125 VDC Battery PM - Original issue.
1-11-80	X	0	PT 2.2.4 - Primary Containment Isolation Valve Verification - Original issue.
1-11-80	X	17	PT 9.2 - HPCI-System Component Test - Revised to perform a leak check as a result of TMI investigation.
1-11-80	X	9	PT 8.2.2 - LPCI/RHR - Revised to perform a leak check as a result of TMI investigation.
1-11-80	X	12	PT 9.5 - HPCI 1000 PSIG Flow Rate Test - Revised to perform a leak check as a result of TMI investigation.
1-11-80	X	17	PT 10.2 - RCIC System Component Test - Revised to perform a leak check as a result of TMI investigation.
1-11-80	X	12	PT 10.1.1 - RCIC Flow Rates at 1000 PSIG - Revised to perform a leak check as a result of TMI investigation.
1-11-80	X	8	PT 11.1.2 - ADS Valve Test - Revised to incorporate Plant Mod. 79-258, computer prints correct valve and cycle time. Added step to reset each valve prior to continuing testing.
1-11-80	III	11	OP-6 - Radwaste - Revised to incorporate changes in shipping and packaging of radioactive material per the state of South Carolina and Chem-Nuclear instructions.
1-11-80	X	2	PT 45.2.5 - RWCU - Revised to Incorporate Plant Modifications 78-266 and 78-280

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1-11-80	X	16	PT 2.1.5P - RCIC - Revised to provide separate sign-offs for individual calibrations and isolation valves.
1-11-80	X	6	PT 1.5PC - Rod Block Monitor - Revised to clarify readings where no tolerance is required, to clarify the distinction between Unit Nos. 1 and 2 setpoints and to clarify other steps..
1-11-80	X	2	PT 2.1.2PC - ECCS-HPCI - Added a precaution not to open E41-F041 and F042 valves at the same time that E41-F004 is open; provided separate sign-offs for individual calibrations and isolation valves.
1-11-80	X	16	PT 2.1.2P - ECCS-HPCI - Added a precaution not to open E41-F041 and F042 valves at the same time that E41-F004 is open; provided separate sign-offs for individual calibrations and isolation valves.
1-11-80	X	3	PT 2.1.5PC - RCIC - Revised to provide separate sign-offs for individual valves.
1-11-80	X	2	PT 56.4PC - Reactor Vessel Level Loop Calibration - Revised to change the jumper from terminals to relay connections to minimize scram possibilities.
1-11-80	X	16	PT 1.1.1P - Reactor Protection Test - Revised to change the jumper installation location to reduce the scram possibilities.
1-11-80	X	25	PT 3.1.7P - ECCS - Reactor Low Water Level #2 and #3 - Revised the jumper installation location to reduce the scram possibilities.
1-11-80	XII	5	MI-10-1F - L&N Type 'H&W' Multipoint Recorders - Revised to put into the MP-10 Format.
1-11-80	X	4	PT 1.1.1PC - RPS - Reactor High Pressure Trip - Revised the jumper installation location to reduce the scram possibilities.

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1-11-80	X	3	PT 3.1.7PC - ECCS - Reactor Low Water Level #2 and #3 - Revised the jumper installation location to reduce the scram possibilities.
1-11-80	X	1	PT 55.9PC - Remote Shutdown RHR Service Water Discharge D/P Calibration - Revised the valving procedure from the root valve to the instrument manifold valve to minimize the effect on other instruments common to the root valve.
1-11-80	X	11	PT 3.1.14P - ECCS - Reactor Low Pressure - Revised the jumper installation location to reduce the scram possibilities.
1-11-80	X	2	PT 3.1.14PC - ECCS - Reactor Low Pressure - Revised the jumper installation location to reduce the scram possibilities.
1-11-80	XII	0	MI-3-8HI - AOG-0 ₂ I-104 Thermax Oxygen Analyzer - Revised to comply with NRC and CQA requirements.
1-11-80	XII	5	MI-1-11 - Fluke Model 8200A DVM - Revised to comply with MP-1 and to update the equipment used and data sheet.
1-11-80	XII	0	MI-3-4D8 - Containment Atmospheric Dilution Flow Recorder Initial issue.
1-14-80	N/A	0	SP-79-40 - Safety-Related Drywell Equipment Electrical Termination Solution and Inspection - Original issue.
1-14-80	XIX	1	FP-7 - General Fire Plan - Revised to meet regulatory requirements and to improve fire brigade response.
1-14-80	XIX	1	FP-1 - Plant Fire Brigade - Revised to meet regulatory requirements and to improve fire brigade response.
1-14-80	XII	1	MI-16-510 - CRD Maintenance - Revised to comply with MP-16, revision 3, and to combine MI-16-510, revision 0, and MP-554, revision 0.

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1-18-80	X	5	PT 40.2.6 - Turbine Overspeed Trip Test - Revised to add the proper instrument for turbine RPM indication.
1-18-80	VII	11	EI-40 - Safety/Relief Valve Fails Open - Updated this procedure and added information.
1-18-80	VII	1	OI-3 - Periodic Testing and Daily Surveillance Report - Revised to conform to NRC and Tech. Spec. requirements and to correct typos.
1-18-80	IV	1	OWP-7/6 - Investigation of HCU Problems with the Reactor Critical and the CRD at Position 48 - Added a precaution to avoid a stuck collet.
1-21-80	X	1	PT 35.4.1 - Fire Detection System, Unit Nos. 1 and 2, Turbine Building and Paint and Lube Storage - Revised to update.
1-21-80	X	1	PT 35.4.2 - Fire Detection System, Unit Nos. 1 and 2, Reactor Building and Chlorination Building - Revised to reflect added fire detection devices.
1-23-80	XI	0	QAP-18 - Documentation of Inspections - Revised to clarify and simplify. This was QAI-5 - Original issue of QAP-18.
1-23-80	XII	0	MI-3-1AK-4 - 821-FT-NO34 A-W - Original issue.
1-23-80	XI	1	QAP-10 - Method of Documenting Removal of Equipment for Repairs - Revised to change the numbering system and the filling out of Acceptance Tags.
1-23-80	X	16	PT 40.2.5 - Turbine Control Valve Testing - Deleted annunciations that are expected.
1-23-80	X	0	PT 14.7 - RWCU Leak Check - Original issue.
1-23-80	XVI	1	UA-25, 3-5 - CAD LN ₂ Storage Pressure High - Revised setpoints on Unit No. 2
1-23-80	XVI	0	UA-25, 2-5 - CAD LN ₂ Storage Pressure High - Revised setpoints on Unit No. 2.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
1-23-80	XVI	2	UA-1, 3-9 - Spare - Redundant annunciator deleted by Plant Nod. 79-150 on Unit No. 2.
1-23-80	XVI	1	A-1, 5-10 - RHR SW 'A' Heat Exchanger Low Flow High Temperature Stator Water - Referenced new Tech. Spec. and updated.
1-23-80	VII	1	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Added Attachment 'B', OWP Index.
1-23-80	XII	0	MI-3-8K1, X-AT-2977 - W&T Chloride Detector, Series 50-125 - Original issue.
1-23-80	X	1	PT 1.5.2PC - RPS and Control Rod Blocks - Revised to update and to record the "as found" reading on trips.
1-23-80	X	1	PT 2.1.21PC - Primary Containment Isolation System - Revised to make separate steps of combined items and to remove a redundant note.
1-23-80	XII	0	MI-3-4D6 - VA-FR-2577 Bailey Recorder Model SR-1110 - Original issue.
1-23-80	XII	0	MI-3-3K2 - AOG-PSH-128 and 148 United Electric Pressure Switch - Original issue.
1-23-80	XII	0	MI-3-4U7 - G16-R089A-89B GE Recorder - Original issue.
1-23-80	XII	0	MI-3-4U9 - TSI-ZR-641 GE Recorder - Original issue.
1-23-80	XII	0	MI-3-111 - VA-FT-2577 Bailey Transmitter - Original issue.
1-23-80	XII	0	MI-3-3Q2 - VA-PS-1610A and B, VA-PS-1313 and VA-PS-1313-1 - Original issue.
1-23-80	XII	0	MI-3-6D2 - Moore Counter Model GO-405-465-3, VA-FIQ-3356, 3357, 3358 - Original issue.
1-23-80	XII	0	MI-3-4U3 - D12-RR-R001 A and B GE Recorder - Original issue.
1-23-80	XII	0	MI-3-4F2 - G16-TR-1936, 1977-1 and 3 Taylor Temperature Recorder - Original issue.

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1-23-80	XII	0	MI-3-15P1 - AOG-RADI-103 Victoreen - Original issue.
1-23-80	XII	0	MI-3-4D11 - OG-FR-239, Bailey Flow Recorder - Original issue.
1-23-80	X	8	PT 55.3PC - Reactor Vessel Level Loop Calibrations - Revised the jumper to reduce the scram possibilities.
1-23-80	X	4	PT 45.1.3 - RPS - Revised the jumpers to reduce the scram possibilities.
1-23-80	XI	2	QAI-5 - Documentation of Inspections - Deleted entirely; replaced by QAP-18.
1-28-80	IX	13	FH-9 - New Fuel Receiving and Inspection - Completely updated.
1-28-80	I, Book 4	3	SK-1 - Material Requisition and Recorder Procedures and Responsibilities - Updated procedure and titles.
1-28-80	X	3	PT 35.3 - HPCI CO ₂ Flooding System - Revised to add the testing of system "pull stations" and to clarify the acceptance criteria.
1-29-80	VIII	0	RC&T-0410 - Operation of the Teledyne TLD Reader Model 7300C - Original issue.
1-29-80	VIII	1	RC&T-0111 - Routine/Special Survey for Removable Surface Contamination - Revised for contamination control in the RC&T Chemistry Lab and Counting Room.
1-29-80	XII	5	MP-8 - Reactor Drywell Head Installation and Removal - Revised to add redundant methods of torque verification to add references, to add hold points and to clarify.
1-29-80	XII	2	MI-16-563 - Installation of CRD Hatch Cover - Revised to add QA hold points and data sheet.
1-29-80	XII	0	MI-16-503A - 4" and 8", 150# Anchor Gate Valves - Original issue.
1-29-80	XII	0	MI-16-503C - 8", 150# Anchor Swing Check Valve - Original issue.

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DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
1-29-80	XII	1	MI-16-542 - Hydraulic Control Unit Scram Valves - Revised to comply with MP-16.
1-29-80	XII	2	MI-16-562 - Installation of Torus Hatch Cover - Revised to comply with MP-16.
1-29-80	XII	1	MI-16-508 - SLC Pumps - Revised to comply with MP-16.
1-29-80	XII	1	MI-16-531 - Primary Containment Inst. Isolation Valves - Revised to comply with MP-16.
1-29-80	XII	1	MI-16-514 - Safety Relief Valves, Series V&W, J. E. Lonergan - Revised to comply with MP-16.
1-29-80	XII	1	MI-16-506 - SLC Explosive Valves - Revised to comply with MP-16.
1-29-80	XII	1	MI-16-513 - Limitorque Actuators, SMB-00 and SMB-000 - Deleted the entire instruction.
1-29-80	XII	1	MI-10-508A - 35 Ton Grove Mobile Crane - Revised to comply with MP-10.
1-29-80	XII	0	MI-10-512B - Nonsafety-Related Snubbers Functional Test - Original issue.
1-29-80	XII	0	MI-10-504D - Instrument Air Dryer After-Filter Inspection/Replacement - Original issue.
1-29-80	XII	0	MI-10-515A - Service Water Intake Split Measurement and Removal - Original issue.
1-29-80	XII	0	MI-10-510A - Containment Atmospheric Control Monitor Vacuum Pump Model PCD-10 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-04-80	XII	0	MI-16-555 - Core Spray Pump Mechanical Seal Replacement - Original issue.
2-05-80	XI	1	QAP-12 - Procedure for the Review of Purchase Requisitions and Q-List Purchase Orders - Revised to ensure pertinent QA requirements are included.
2-05-80	X	7	PT 41.1 - Reactor Building Crane - Revised to delete a check by the mechanic since QA performs an annual inspection of the main and auxiliary hooks.
2-05-80	I, Book 4	2	SK-2 - Receiving - Revised to reference QAP-10 and QAP-20, to delete the Acceptance Tag and Material Receiving Form and to send written notification to electrical and mechanical foremen to check material.
2-05-80	I	34	Administrative Procedures - Revised to add instructions on placing caution tags on the control board and to update the number of auxiliary operators on shift.
2-05-80	XII	4	MI-1-8 - Fluke Differential Voltmeter, Model 893A - Revised to update and to conform to MP-1.
2-05-80	XIX	2	FP-2 - Control of Combustible Materials and Ignition Sources - Revised to include NRC commitments.
2-05-80	X	2	PT 1.1.2PC - Reactor Protection Instrument Test - Revised to incorporate -NO13E and -NO13F.
2-05-80	X	5	PT 7.1.7 - Core Spray Logic Test - Deleted in its entirety.
2-05-80	N/A	0	SP 79-36 - Hydrostatic and Pneumatic Testing of Instrument Testing of Instrument Tubing - Original issue.
2-05-80	XII	2	MI-10-1E - Bailey Go-Line and SR Strip Chart Recorders - Revised to add drive cord inspection per LER 1-79-116.
2-05-80	XII	6	MI-10-1A - L&N Speedomax "M," Multipoint Recorder, Mark II and Mark III - Revised to add CQA and NRC requirements.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-05-80	XII	1	MI-3-4S4 - L&N Speedomax "M," Mark III Recorder RS-CR-3636 and RS-CR-3824 - Revised to add calibration.
2-05-80	XII	0	MI-3-4U4 - D12-RR-R601, R605, R600 General Electric Recorder Model 521 - Original issue.
2-05-80	XII	5	MI-1-12 - General Radio Decade Resistance Box Type 1433 - Revised to conform to MP-1.
2-05-80	XII	3	MI-1-14 - Alnor Pyrometer Models 4200 and 4000A - Revised to conform to MP-1.
2-05-80	XII	0	MI-3-6D1 - CW-TY-3492, Moore Industries Transducer (Converter) SHM/10-50MA - Original issue.
2-05-80	XII	0	MI-3-3K1 - AOG-PSH-105 Pressure Switch - Original issue.
2-05-80	XII	0	MI-3-5PI - Johnson T-4002 Temperature Control - Original issue.
2-05-80	XII	0	MI-3-8 - GE Recorder Model 521 - Original issue.
2-05-80	XII	0	MI-3-15 - RCIC Pump Discharge Flow - Original issue.
2-05-80	XII	0	MI-3-4L3 - L&N Recorder "M," Mark III G16-UR-1799 - Original issue.
2-05-80	XII	2	MI-3-1P2 - Ya Way Level Switch Model 4418CE - Revised to meet CQA and NRC requirements.
2-05-80	XII	0	MI-3-4T2 - GE Recorder Model 531 - Original issue.
2-05-80	XII	0	MI-3-3K4 - AOG-PSLH-106A and PSLH-106B Pressure Switch - Original issue.
2-05-80	XII	0	MI-3-6A1 - AOG-FIC-103 I/P Fisher I/P Converter Model 546 - Original issue.
2-05-80	XII	0	MI-3-1AE1 - CW-TT-3492 Moore Temperature Transmitter - Original issue.
2-05-80	XII	0	MI-3-4C7 - TS-CR-863, L&N Speedomax "H" Recorder - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-05-80	XII	0	MI-3-3H2-2 - 2-CW-TDSH-3492 Moore Industries DC Current Alarm - Original issue.
2-05-80	XII	0	MI-3-6V2 - E51-FY-K601 and 3408 Square Root Converter RCIC Pump Discharge Flow - Original issue.
2-05-80	XII	0	MI-3-1R1 - Johnson T-4002 Room Thermostat - Original issue.
2-05-80	XII	0	MI-3-4J1 - Bristol "Type 550" Recorder - Original issue.
2-05-80	XII	0	MI-3-3S1 - Johnson Service Co. Model T-7221-1 - Original issue.
2-05-80	XII	0	MI-3-10E1 - AOG-ECV-106, Pneumatic Control Valve - Original issue.
2-05-80	XII	0	MI-3-2B1-4 - GE "Type 180" Meter Jet Pump - Original issue.
2-06-80	VIII	1	RC&T 1210 - Determination of Radioiodine - Revised to use the procedure with increased sample volumes.
2-06-80	X	1	PT 73 - Reactor and Turbine Building Roof Vent Radiation Monitors Channel Calibration - Revised the detector efficiencies to reflect improved detector response.
2-06-80	X	1	PT 74 - Drywell Radiation Monitors Channel Calibration - Revised the detector efficiencies to reflect improved detector response.
2-07-80	VIII	1	RC&T-0325 -Eberline Portable Ion Chamber Model PIC-6A - Revised to correct an acceptance criteria error.
2-07-80	VIII	1	RC&T-0330 - Calibration of Eberline Portable Fast-Slow Neutron Counter Model PNC-4 - Revised to correct an error on the calibration data sheet.
2-07-80	VIII	11	Radiation Control and Protection - Revised to reflect organization changes, to include a calibration control program for nonsafety-related items, to add an ALARA program outline, to delete the weekly exposure authorization and to correct respiratory protection factors.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-07-80	XVI	2	A-1 - 4-6, Core Spray "A" Header to Core Plate Top High Differential Pressure - Revised to update and to reference new Technical Specifications.
2-07-80	X	10	PT 6.1 - SLC System Component Test - Revised to ensure latest SLC concentration is available in the Control Room.
2-07-80	III	16	OP-7 - CRD System - Revised to correct valve number and added different type of accumulator charging device.
2-07-80	VI	5	EI-3.3 - Control Rod Drift - Revised to add a procedure for verifying a stuck collet.
2-07-80	VII	2	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Revised the index by making additions.
2-07-80	IV	0	MI-10-2H - RHR Pump Motor Breaker Inspection - Original issue.
2-07-80	VII	0	OWP-18/9 - Repair of CS Loop A(B) Piping - Original issue.
2-07-80	VII	0	OWP-18/10 - Repair of Flow Orifice Downstream of E21-F031 - Original issue.
2-07-80	VII	0	OWP-43/7 - RHR SW Pump Motor Breaker Inspection MI-10-2H - Original issue.
2-07-80	VII	0	OWP-50/3 - AC Power Systems - Original issue.
2-07-80	VI	11	EI-1.2 - Rupture Inside Drywell - Revised to correct setpoints, to add scrams, systems, cautions, notes and to prevent the transfer of high radiation liquids.
2-07-80	XVII	8	SI-3 - Security Communications - Revised to add redundant communications to County Sheriff's Department.
2-15-80	III	2	OI-3 - Periodic Testing and Daily Surveillance Report - Updated, referenced proper Tech. Specs. and corrected reading to be taken.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-15-80	X	7	PT 2.2.1a - Instrument Isolation Valves - Revised to ensure that the RIP valves which could shut down the plant are tested when the plant is shut down.
2-15-80	IV	3	OG-1 - General Operating Instructions - Revised to clarify which personnel are responsible for writing and approving daily instructions.
2-15-80	VII	0	OWP-16/13 - Loss of Topaz Inverter(s) for RCIC Steam Leak Detection - Original issue.
2-15-80	X	11	PT 4.1.1 - Process Radiation Monitors - Revised to correct a Tech. Spec. reference and to comply with a plant modification installed.
2-15-80	IV	54	GP-1 - General Operating Procedure - Revised to prevent the uncoupling of control rods.
2-15-80	XI	2	QAP-12 - Procedure for the Review of Purchase Requisitions and Q-List Purchase Orders - Revised to meet requirements of ANSI N45.2 and to clarify requirements of paragraph 1 and 7 of Attachment 2.
2-18-80	XVII	2	SI-18 - Emergency Plan Support - Revised to make the security computer roll call printout information available to RC&T during local and site emergencies.
2-19-80	X	3	PT 3.1.14PC - Emergency Core Cooling System - Revised to minimize possibility of a scram from disturbing associated reference leg instrumentation, jumpered affected instruments.
2-19-80	XII	0	MI-1-42 - Heise Model 710A Digital Pressure Indicator - Original issue.
2-19-80	XII	2	MI-26-1B - Calibrated Jet Pump Flow Instrumentation JP-5, 10, 15, 20 - Revised to comply with CQA and NRC requirements.
2-19-80	XII	0	MI-3-3b7 - CAC-PISH-2703, 2704 ITT Barton Differential Pressure Indicating Switch Model 288A - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-19-80	XII	0	MI-3-4T3 - G16-DR-R061 GE Recorder Type 531-1 - Original issue.
2-19-80	X	1	PT 5.1PC - Drywell Floor and Equipment Drain System Channel Calibration Test - Revised to eliminate violations resulting from incomplete venting of transmitter during calibration.
2-19-80	XII	C	MI-3-4U6 - G16-R050 GE Recorder Model 521 - Original issue.
2-19-80	XII	0	MI-3-4T5 - G16-FR-R002-1 GE Recorder Model 531 - Original issue.
2-19-80	XII	2	MI-26-1A - Jet Pump Flow Instrumentation Loop Calibration JPI-2C - Revised to comply with CQA and NRC requirements.
2-19-80	XII	0	MI-3-4F3 - G16-TR-1978 1 and 2 Taylor Recorder Type 1302J - Original issue.
2-19-80	XII	0	MI-3-4T6 - G16-FR-3836 GE Recorder Type 531 - Original issue.
2-19-80	XII	0	MI-3-20F1 - D12-M001 GE Interval Timer TSA-21 - Original issue.
2-19-80	X	14	PT 3.1.11P - Emergency Core Cooling System, Suppression Chamber High Water Level Channel Functional Test - Revised to provide sign-off spaces in valve lineups.
2-19-80	X	2	PT 56.5PC - Post Accident Reactor Pressure Instrumentation Loop Calibration - Revised to provide sign-off spaces in valve lineups and updated.
2-19-80	X	4	PT 3.1.2PC - ECCS - Condensate Storage Tank Low Water Level Channel Calibration and Functional Test - Revised to remove the negative portion of the tolerance and to provide sign-off spaces for valve lineups.
2-19-80	X	2	PT 45.2.9 - PCIS (Group I Logic) High Steam Line Radiation Response Time - Changed to reflect Plant Modifications 78-280 and 78-266 and to add a precaution.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-19-80	X	10	PT 11.1.4P - ADS - High Drywell Pressure Channel Functional Test - Revised to separate valving steps for individual checks.
2-19-80	X	3	PT 3.1.12PC - ECCS - Core Spray Pump Discharge Pressure Interlock - Revised to separate valving steps and updated.
2-19-80	X	11	PT 3.1.2' - Core Standby Cooling System Tests and Checks - Revised to provide separate valving steps.
2-19-80	X	17	PT 3.1.6P - Core Spray, HPCI and LPCI High Drywell Pressure Channel Functional Test - Revised to provide separate valving steps.
2-19-80	X	11	PT 2.1.8P - RCIC - Revised to provide separate valving steps.
2-19-80	X	4	PT 45.2.16 - PCIS (Group 3 Logic) - Revised to provide for test jacks and updated to conform to Plant Mods. 78-266 and 78-280.
2-19-80	X	2	PT 45.3.1 - ECCS, High Drywell Pressure Response Time - Revised to use test jacks and updated.
2-19-80	X	3	PT 45.2.8 - High Drywell Pressure Response Time - Revised to use test jacks and updated.
2-19-80	X	4	PT 45.2.7 - PCIS (Groups 2, 6, 7 and 8) - Revised to use test jacks and updated.
2-19-80	X	4	PT 45.2.10 - PCIS (Groups 1 and 3 Logic) - Revised to use test jacks and updated.
2-20-80	VI	4	EI-23.1 - High Airborne Activity in the Drywell While Ventilating, or While Drywell is Open for Access - Revised to conform with NRC commitments to ensure all personnel are evacuated when required.
2-20-80	VI	4	EI-23.4 - High Radiation in Accessible Areas - Revised to conform with NRC commitments to ensure all personnel are evacuated when required.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-20-80	VI	11	EI-27.3 - Abnormal Release of Radioactivity - Airborne - Revised to conform with NRC commitments to ensure all personnel are evacuated when required.
2-20-80	VI	4	EI-23.3 - High Airborne Activity in Occupied Spaces - Revised to conform with NRC commitments to ensure all personnel are evacuated when required.
2-20-80	VI	4	EI-23.2 - High Airborne Activity in the Reactor Building - Revised to conform with NRC commitments to ensure all personnel are evacuated when required.
2-20-80	VI	4	EI-37.1 - Operation During Hurricane Warnings and Hurricane Conditions - Revised to ensure the gantry crane at the service water intake is tied down to prevent lifting and brake release.
2-22-80	X	0	PT 48.1 - Public Address Page System - Original issue.
2-22-80	N/A	0	SP-80-1 - Draining the Torus with Temporary Pump and Piping - Original issue.
2-26-80	X	9	PT 20.3 - Local Leak Rate Testing of Containment Isolation - Revised to add flowmeter calibration and to update.
2-26-80	X	2	PT 11.3 - Drywell Drains System Component Test - Updated to correct baseline data.
2-26-80	N/A	4	SP-79-6 - Southwest Research Institute Non-destructive Testing Procedures - Revised to comply with ASME code and updated.
2-26-80	II	3	SD-2 - Reactor Recirculation System - Updated and rewritten in a more useful format.
2-26-80	XII	0	MI-1-41 - Hewlett/Packard Model 3465B Digital Multimeter - Original issue.
2-26-80	X	0	PT 19.7.1 - Reactor Building RHR Service Water Booster Pump Motor Heat Exchangers - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	X	5	PT 19.7 - Turbine Building Closed Cooling Water Heat Exchangers - Revised to cover one type of heat exchanger.
2-26-80	XI	1	QAP-15 - Review of Work Request and Authorization Form, Initial and Final - Revised to delete block numbers from the text and to clarify routing of Q-list and non-Q forms.
2-26-80	IX	12	FH-11 - Refueling - Revised to add precautions, independent verifier sign-offs and to update.
2-26-80	IX	3	FH-10 - Fuel Preparation - Added pressure sipping, use of overhead crane for fuel movement and a note on misalignment of the upper tie plate.
2-26-80	XII	4	MP-7 - Reactor Pressure Vessel Head Installation and Removal - Revised to comply with ANSI 18.7.
2-26-80	XII	1	MP-9 - Dryer/Separator Installation and Removal - Added drawings, added instructions for moving the "cattle chute" and updated.
2-26-80	XII	2	MI-10-506A - Crane Chempumps - Added Shift Foreman sign-offs.
2-26-80	X	4	PT 41.2 - Inspection of Crane Hooks, Crane Brakes, Ropes, and Chains - Revised to update.
2-26-80	X	0	PT 19.7.2 - Reactor Building Closed Cooling Water Heat Exchangers - Original issue.
2-26-80	XII	1	MI-16-567 - Fuel Preparation Machine - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-571 - Refueling Platform: Bridge and Tolley Drive Assembly - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-530 - Gas Regulator/Diesel Generator Air Regulator Type 310-32 - Revised to comply with MP-16.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	XII	1	MI-16-516 - Tuflin Nuclear Valves, Size 1" to 6" - Revised to comply with MP-16.
2-26-80	XII	1	MI-10-501 - Filters and Strainers - Revised to comply with MP-10.
2-26-80	XII	1	MI-1-504 - Outside Micrometer Calipers Calibration - Revised to comply with MP-1.
2-26-80	XII	1	MI-16-517 - Cleaning of 2" Stable and Pfeiffer "Y" Type Strainers - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-534-A - HPCI Booster Pump - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-541 - Reactor Recirc. MG Set Lube Oil Pump Series A3D, Size A3DBX-400 - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-509 - Reactor Building Closed Cooling Water Pumps - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-512 - CRD Pumps - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-572 - Fisher Pressure Regulators - Revised to incorporate MP-16 changes.
2-26-80	XII	1	MI-16-518 - Robotarm Actuators, Models CB, C1, and CB-SR - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-525 - Lapping Globe, Gate and Check Valves - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-529 - RHR Pump - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-527 - RHR Testable Check Valves - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-521 - Consolidated Safety-Relief Valves, Type 1970 and 1975 - Revised to comply with MP-16.
2-26-80	XII	1	MI-16-536A - Feedwater Nonreturn Valves - Revised to comply with MP-16.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	XII	1	MI-1-505 - Precision Level Calibration - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	1	MI-1-506 - Inside Micrometer Calibration - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	1	MI-1-502 - Depth Gauge Calibration - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	3	MI-1-503 - Dial Indicator Calibration - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	1	MI-1-507 - Electrode Oven Inspection - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	1	MI-1-500A - Air Torque Wrench React-A-Matic RM700 - Revised to ensure all calibration is done per MP-1.
2-26-80	XII	1	MP-23 - Boiler and Pressure Vessel Inspections - Revised to reflect changes to codes and requirements and to update.
2-26-80	XII	1	MI-16-588 - Hydraulic Shock and Sway Arrestors - Revised to add acceptance criteria and to update.
2-26-80	XII	1	MI-16-520 - Testable Check Valves - Core Spray System E21-F006A and F006B - Revised to comply with MP-16.
2-26-80	XII	2	MI-1-500 - Torque Wrench/Screwdriver Calibration - Revised to ensure all calibrations are done per MP-1.
2-26-80	XII	1	MI-16-505 - A/C Electric Motors, Ball and Roller Bearing Type - Revised to comply with MP-16.
2-26-80	XII	1	MI-1-501 - Master Vernier Calipers Calibration - Revised to ensure all calibrations are done per MP-1.
2-26-80	XII	0	MI-3-10E2 - AOG-ECV-109 - Pneumatic Control Valve - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	XII	0	MI-1-43 - Siliconix ET105 Digital Stopwatch - Original issue.
2-26-80	XII	0	MI-3-4D12 - B21-TUR-R622 Bailey Recorder Type 734 - Original issue.
2-26-80	VII	0	OWP-18-12 - Replacement of Core Spray Pump Seals - Original issue.
2-26-80	XII	1	MP-10-507A - Reactor Recirc. MG Set Scoop Tube Bailey Positioner Thrust Bearing Replacement - Revised to comply with MP-10.
2-26-80	XII	1	MI-16-559 - ITT Grinnell Pipe Support - Revised to add inspection data sheets, sign-offs for torques and instructions.
2-26-80	XII	0	MI-3-3H2-1 - CW-TSH-3492 Moore Industries Temperature Switch - Initial issue.
2-26-80	XII	0	MI-3-3T1 - CAC-PSH-1257-1 and 2 Bailey Single and Dual Alarm Type 745 - Initial issue.
2-26-80	XII	0	MI-3-4Z2 - Z-G16-LRS-R046D, R046B, R015 and R055, GE Recorder Model 530 - Initial issue.
2-26-80	XII	0	MI-3-2A2 - DG-PI-1660 - Ashcroft Pressure Gauge - Initial issue.
2-26-80	XII	0	MI-3-1AK-3 - B21-FT-NO33A through D GE-MAC D/P Transmitter Model 555 - Initial issue.
2-26-80	XII	0	MI-3-6V1 - B21-FY-K600A-W and B21-FY-K605A-D Jet Pump Flow Square Root Converter GE Type 565 - Initial issue.
2-26-80	X	3	PT 12.4 - Diesel Generator Alarms, Trips and Trip Bypass Tests - Revised to make individual steps of multiple actions.
2-26-80	X	2	PT 56.6PC - Post Accident Containment Pressure Loop Calibrations - Revised to separate valving steps.
2-26-80	X	3	PT 45.2.11 - PCIS (Group 1) - Revised to reflect jacks installed per Plant Modifications 78-266 and 78-280, and updated.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	XII	3	MI-10-2A - Motors in Storage - Revised to meet CQA and NRC requirements.
2-26-80	XII	2	MI-10-2AF - Checkout for Reactor Recirculation Speed Control Loop - Revised to update.
2-26-80	XII	2	MI-1-31 - Honeywell Model 1858 CRT Visicorder - Revised to conform to MP-1.
2-26-80	III	25	OP-17 - RHR - Revised to require a second operator to monitor torus level when level is being changed.
2-26-80	VII	1	OI-4 - LCO Evacuation and Followup - Deleted LCO status board. Revised procedure to track LCOs.
2-26-80	X	2	PT 45.3.2 - ECCS - Reactor Low Water Level No. 2 and 3 Response Time - Revised to use test jacks installed by Plant Modifications 78-266 and 78-280, and to update.
2-26-80	X	2	PT 45.2.6 - PCIS - Revised to use test jacks installed by Plant Modifications 78-266 and 78-280, and to update.
2-26-80	X	3	PT 55.1PC - Remote Shutdown Drywell Pressure Loop Calibration - Revised to provide separate valving steps.
2-26-80	X	2	PT 2.1.8PC - ECCS - RCIC Turbine Exhaust Diaphragm High Pressure Channel Calibration and Functional Test - Revised data sheet.
2-26-80	X	25	PT 1.3.2P - Reactor Protection Instrument Test - Revised to perform the test with stop valve #2 not closed.
2-26-80	III	12	OP-43 - Service Water System - Revised to inform Operations personnel of inoperable pumps.
2-26-80	III	15	OP-16 - RCIC System - Revised for clarification of heater circuits.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
2-26-80	X	10	PT 7.2.3 - Core Spray System - Revised typo; F021B should be F031B.
2-26-80	X	10	PT 8.2.2 - LPCI/RHR - Revised to add the recording of pump discharge pressure. Deleted data sheet.
2-26-80	XII	0	MI-10-500A - Lubrication Change Schedule - Original issue.
2-26-80	XII	0	MI-10-513C - Cleaning/Lubrication of MSIV Guide Rods - Original issue.
2-27-80	XVII	20	SI-9 - Access Control and Personnel Identification - Revised the "Access Request and Authorization" form to improve the method of processing these authorizations.
2-27-80	XVIII	7	PN-5 - Information for Obtaining Unescorted Plant Access - Revised to improve the method of routing information necessary to obtain unescorted access.
2-29-80	N/A	2	SP-79-24 - Recirculation Pump Trip Test and Auxiliary Degraded Voltage Test - Test is for verification of operating with reduced MCPR Limits by having RPT on certain transients. Also verifies ability of the auxiliary power system to supply ECCS load on loss of unit generator without transferring loads to the emergency diesels.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVIII	3	PN-16 - Plant/Equipment Key Checkout - Changed Shift Specialist to Shift Operating Supervisor.
3-3-80	VII	3	OI-3 - Periodic Testing and Daily Surveillance Report - Added refueling DSR sheets to cover refueling operations.
3-3-80	III	9	OP-46 - Instrument and Service Air System - Revised lineup sheet numbering and closed RIP valves that were deleted functionally.
3-3-80	XVI	1	A-4, - Fuel Pool Cooling Alarm, Unit No. 1 - 6-7 Updated procedure and setpoints.
3-3-80	XVI	0	A-4, - Fuel Pool Cooling Low Level, Unit No. 1 - 6-6 Original issue.
3-3-80	XVI	1	A-4, - Cleanup Pumps Flow Low, Unit No. 1 - Added 6-4 Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Fuel Pool Gate Reactor Well Seal, Unit No. 1 - 5,7 Revised entire procedure due to a new annunciator.
3-3-80	XVI	1	A-4, - Fuel Pool High Level, Unit No. 1 - Revised 5-6 entire procedure due to a new annunciator.
3-3-80	XVI	1	A-4, - Standby Liquid Tank Level Hi/Lo, Unit No. 1 - 5-5 Added new Tech. Spec. reference.
3-3-80	XVI	2	A-4, - Cleanup Leak Hi-Hi, Unit No. 1 - Added new 5-4 Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Recirculation Pump Motor "B" Lower Bearing 4-7 Low Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Recirculation Pump Motor "A" Lower Bearing 4-6 Low Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Squib Valve Continuity Loss, Unit No. 1 - 4-5 Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Cleanup Leak Hi, Unit No. 1 - Added new 4-4 Tech. Spec. reference.
3-3-80	X I	1	A-4, - Recirc. Pump Motor "B" Lower Bearing Hi 3-7 Level, Unit No. 1 - Updated procedure.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVI	1	A-4, - Recirc. Pump Motor "A" Lower Bearing Hi 3-6 Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Cleanup Pumps Cooling Water Temperature Hi, 3-4 Unit No. 1 - Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Equipment Drain Sump Leak Ki - 3-2 Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Floor Drain Sump Leak Hi, Unit No.1 3-1 Updated procedure.
3-3-80	XVI	1	A-4, - 2-7 Recirc. Pump Motor "B" Upper Bearing Low Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Recirc. Pump Motor "A" Upper Bearing Low 2-6 Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Cleanup Filter Inlet Temp. Hi, Unit No. 1 - 2-5 Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Equipment Drain Sump Level Hi-Hi, 2-2 Unit No. 1 - Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Floor Drain Sump Level Hi-Hi, Unit 2-1 No. 1 - Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Recirc Pump Motor "B" Upper Bearing Hi 1-7 Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Cleanup System Hi Conductivity, Unit No. 1- 1-4 Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Equipment Drain Sump Level High, 1-2 Unit No. 1 - Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Drywell Floor Drain Sump Level High, Unit 1-1 No. 1 - Added new Tech. Spec. reference.
3-3-80	XVI	1	A-4, - Recirc Pump Motor "A" Upper Bearing High 1-6 Level, Unit No. 1 - Updated procedure.
3-3-80	XVI	1	A-4, - Standby Liquid Tank Temperature Hi/Lo, Unit 6-5 No. 1 - Added new Tech. Spec. reference and updated.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVI	1	UA-3, - RBCCW Pump Discharge Header Pressure Low, 2-5 Unit No. 2 - Revised setpoints.
3-3-80	XVI	1	UA-25,- Intake Canal Level High, Unit No. 2 - 4-4 Updated entire procedure.
3-3-80	XVI	0	UA-2, - Hyd. Fluid Pressure - Low Trip, Unit No. 1-1-1 Original issue.
3-3-80	XVI	0	UA-2, - Thrust Bearing Wear/Low Bearing Oil 1-2 Pressure Trip, Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Main Oil Pump Discharge Pressure Low Trip, 1-3 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Turbine at Zero Speed, Unit No. 1 - 1-4 Original issue.
3-3-80	XVI	0	UA-2, - Steam Packing Exhauster "A" Overload Trip, 1-5 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen in Generator Pressure High-Low, 1-6 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Generator Liquid Detector Level-High, 1-7 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Inlet Flow-Low, Unit No. 1-1-8 Original issue.
3-3-80	XVI	0	UA-2, - Loss of Stator Coolant Trip Circuit 1-9 Energized - Original issue.
3-3-80	XVI	0	UA-2, - Loss of Stator Coolant Unit Trip, Unit No. 1-10 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hyd. Fluid Pressure-Low, Unit No. 1 - 2-1 Original issue.
3-3-80	XVI	0	UA-2, - Turbine Bearing Oil Pressure-Low, Unit 2-2 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Main Suction Pump Running, Unit No. 1 - 2-3 Original issue.
3-3-80	XVI	0	UA-2, - Turning Gear Motor Overload, Unit No. 1 - 2-4 Original issue.
3-3-80	XVI	0	UA-2, - Steam Packing Exhauster "B" Overload Trip, 2-5 Unit No. 1 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVI	0	UA-2, - Generator Hydrogen Temperature - High, 2-6 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Seal Oil Liquid Detector Level-High, 2-7 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Pressure - Low, Unit No. 1-2-8 Original issue.
3-3-80-	XVI	0	UA-2, - Stator Coolant Conductivity 0.5 umhos, 2-9 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen Vent Line Pressure-High, Unit 2-10 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hyd. Fluid Pump Auto-Start, Unit No. 1 - 3-1 Original issue.
3-3-80	XVI	0	UA-2, - Turbine Vapor Extractor Overload, Unit 3-2 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Main Suction Pump Motor Overload, Unit 3-3 No. 1 - Original issue.
3-3-80	XVI	0	UA-2 - Turning Gear Not Engaged, Unit No. 1 - 3-4 Original issue.
3-3-80	XVI	0	UA-2 - Steam Seal Regulator Pressure-Low, Unit 3-5 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen Purity Low, Unit No. 1 - Original 3-6 issue.
3-3-80	XVI	0	UA-2, - Exciter Liquid Detector Level-High, Unit 3-7 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Inlet Temperature-High, 3-8 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Conductivity 9.9 umhos, 3-9 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - TIP High Radiation, Unit No. 1 - Original 3-10 issue.
3-3-80	XVI	0	UA-2, - Hyd. Fluid Pump Overload Trip, Unit No. 1 - 4-1 Original issue.
3-3-80	XVI	0	UA-2, - Turning Gear Oil Pump Running, Unit No. 1 - 4-2 Original Issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVI	0	UA-2, - Emergency Bearing Oil Pump Running, Unit 4-3 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Turbine Quill Shaft Failure, Unit No. 1 - 4-4 Priginal issue.
3-3-80	XVI	0	UA-2, - Gland Seal Vacuum Loss, Unit No. 1 - 4-5 Original Issue.
3-3-80	XVI	0	UA-2, - Hydrogen Seal Oil ΔP Low, Unit No. 1 - 4-6 Original issue.
3-3-80	XVI	0	UA-2, - Exciter Air Temperature-High, Unit No. 1 - 4-7 Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Outlet Temperature-High, 4-8 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Reserve Pump Running, Unit 4-9 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - EHC Tank Emergency Overflow, Unit No. 1 - 4-10 Original issue.
3-3-80	XVI	0	UA-2, - Standby Hyd Fluid Pump Not in Auto, Unit 5-1 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Turning Gear Oil Pump Overload, Unit No. 1 - 5-2 Original issue.
3-3-80	XVI	0	UA-2, - Emergency Bearing Oil Pump Overload, Unit 5-3 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Drain Cooler 1A Shell Pressure-High, Unit 5-4 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen Supply Pressure-Low, Unit No. 1 - 5-5 Original issue.
3-3-80	XVI	0	UA-2, - Emergency Seal Oil Pump Running, Unit No. 5-6 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen-Seal Oil Cabinet Lost DC Power, 5-7 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Tank Level-High, Unit No. 1 - 5-8 Original Issue.
3-3-80	XVI	0	UA-2, - Exciter Rectifier Temperature-High, Unit 5-9 No. 1 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-3-80	XVI	0	UA-2, - Generator Field High Temperature, Unit 5-10 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - EHC Tank Level High-Low, Unit No. 1 - 6-1 Original issue.
3-3-80	XVI	0	UA-2, - Turbine Oil Tank Level High-Low, Unit 6-2 No. 1 - Original issue..
3-3-80	XVI	0	UA-2, - Bearing Lift Pump Overload Trip, Unit 6-3 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Drain Cooler 1B Shell Pressure-High, Unit 6-4 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Turbine Oil Tank Emergency Overflow, Unit 6-5 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Seal Oil Vacuum Tank Level High-Low, Unit 6-6 No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Hydrogen-Seal Oil Cabinet Lost AC Power, 6-7 Unit No. 1 - Original issue.
3-3-80	XVI	0	UA-2, - Stator Coolant Tank Level-Low, Unit No. 1- 6-8 Original issue.
3-3-80	XVI	0	UA-2, - Exciter Coolant Flow-Low, Unit No. 1 - 6-9 Original issue.
3-3-80	XVI	0	UA-2, - Generator Core Monitoring Trouble, Unit 6-10 No. 1 - Original issue.
3-6-80	XII	0	MI-16- Feedwater Check Valves (Anchor) B21-F010A&B 583 New instruction.
3-8-80	N/A	0	SP-80- Recovery of Steam Line Plug Vent Cap - 5 Provides a procedure for locating and recovering the dropped cap in the RPV- Original issue.
3-8-80	N/A	0	SP-80- Reactor Recirculation Safe End Inspection- 3 Original issue. Incorporates Lambert, MacGill, Thomas, Inc. procedure, qualification and equipment calibration records for use in UT inspection of reactor coolant recirculation safe ends.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-10-80	X	11	PT 2.1.7P - HPCI Turbine Exhaust Diaphragm High Pressure Channel Functional Test - Revised to provide individual sign-off spaces on valve lineups.
3-10-80	X	9	PT 3.1.12P - Core Spray Pump Discharge Pressure Interlock Channel Functional Test - Revised to provide individual sign-off spaces on valve lineups and added figure showing relay terminals.
3-10-80	X	12	PT 7.1.9 - Core Spray Simulated Automatic Actuation and Logic Functional Test - Revised to provide individual sign-off spaces on valve lineups.
3-10-80	X	3	PT 2.1.4PC - Primary Containment Isolation and Recirculation Pump Trip Systems - Tech. Spec. change of frequency from quarterly to 18 months.
3-10-80	X	3	PT 3.1.11PC - ECCS - Suppression Chamber High Water Level Channel Calibration and Functional Test - Revised to provide individual sign-off spaces on valve lineups.
3-10-80	X	2	PT 2.1.7PC - ECCS - HPCI Turbine Exhaust Diaphragm High Pressure Channel Calibration and Functional Test - Revised to provide individual sign-off spaces on valve lineups.
3-10-80	XII	0	MI-3-2B1-1 - E41-PI-R601 and R602, HPCI Pump Discharge/Turbine Steam Inlet Pressure Indicators - Original issue.
3-10-80	XII	0	MI-3-15G1 - D12-RM-K607A&B, RE-N004A&B, RE-N006A through D, Logarithmic Radiator Monitor - Original issue.
3-10-80	XII	0	MI-3-5W1 - Johnson C-208 Proportional Cumulator, VA-TY-1605, 1607, 1608, 1609 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-10-80	XII	0	MI-3-3M2 - HPCI Turbine Steam Inlet Drain Pot, HPCI Turbine Exhaust Drain Pot - Original issue.
3-10-80	XII	0	MI-3-4D4 - Bailey SR-1310 Recorder - Original issue.
3-10-80	XII	0	MI-3-3M1 - RCIC Turbine Steam Inlet Drain Pot High - Original issue.
3-10-80	XII	4	MI-3 - Index - Revised to update.
3-10-80	XII	1	MI-3-13 - Topaz Inverters - Revised to comply with CQA and NRC requirements.
3-10-80	XII	1	MI-3-4D2 - Bailey SR-1310 Level Recorders - To satisfy NRC/CQA requirements.
3-10-80	XII	0	MI-3-2R1 - Uniloc Basic Conductivity Monitor Model 750 - Original issue.
3-10-80	XII	0	MI-3-2L6 - RHR Water Flow, RHR Head Spray Flow - Original issue.
3-10-80	XII	0	MI-3-3K3 - United Electric Pressure Switch - Original issue.
3-10-80	XII	0	MI-3-1AK1 - 1-E41-FT-N008 HPCI Flow Transmitter GE Type 555 - Original issue.
3-10-80	XII	0	MI-3-4U5 - GE Recorder Model 520 - Original issue.
3-10-80	XII	0	MI-3-4T4 - GE Recorder Type 531 - Original issue.
3-10-80	XII	0	MI-3-38A2 - GE Isolated Power Supply Type 570-06 - Original issue.
3-10-80	XII	0	MI-3-4U2 - GE-MAC "Type 521" Recorder - Original issue.
3-10-80	XII	0	MI-3-5AH1 - Magnetrol Level Controller Model 6450-PR-6580 - Original issue.
3-10-80	XII	1	MI-10-2F - Main Generator Miscellaneous Brushes - Revised to prevent inadvertent equipment failures.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-10-80	XII	0	MI-3-4P2 - Bristol Multiple Point Dynamaster Recorder RTD Input Type 550 - Original issue.
3-10-80	XII	0	MI-3-3A12 - HPCI Pump Suction Low Pressure Trip - Original issue.
3-10-80	XII	0	MI-3-4X1 - Discharge Canal Bristol Temperature Recorder Series 2711 - Original issue.
3-10-80	XII	0	MI-3-2E1 - Riley Temp-Matic Thermocouple Monitor Model 86R and 86M - Original issue.
3-10-80	XII	0	MI-3-2P1 - Uniloc Basic pH Monitor Model 1050 - Original issue.
3-10-80	XII	0	MI-3-4D10 - Bailey Pressure Recorder - Original issue.
3-10-80	XII	1	MI-10-6E - RPIS 5 and 28 Volt Power Supply Cleaning - Revised to comply with CQA and NRC requirements.
3-12-80	N/A	1	SP-79-40 - Safety-Related Drywell Equipment Electrical Termination Solution and Inspection - Revised to add termination points to be randomly inspected.
3-12-80	N/A	3	SP-79-24 - Recirculation Pump Trip Test - Revised to prevent inadvertent tripping of the Unit No. 2 reactor coolant recirculation pumps during RPT activation.
3-14-80	XI	3	QAP-12 - Procedure for the Review of Purchase Requisitions and Q-List Purchase Orders - Revised to add the 10CFR21 procurement statement.
3-15-80	X	5	SP-79-6 - Southwest Research Institute Non-destructive Testing Procedures - Revised to add the ability to inspect the vessel support skirt weld.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-17-80	XII	0	MI-10-516A - RHR Pump Seal Water Heat Exchanger Inspection and Test - Original issue.
3-19-80	XII	1	MI-10-511A - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-List Equipment - Revised to comply with MP-10.
3-19-80	XII	5	MP-14 - Corrective Maintenance - Revised to change routing of "Trouble Tickets" and to clarify responsibilities.
3-19-80	XII	4	MI-1-16 - L&N Model 8690-2 Millivolt Potentiometer - Revised to comply with MP-1 and updated.
3-19-80	XII	0	MI-3-5S1 - AOG-FIC-103-1 - Bailey Controller-Original issue.
3-19-80	XII	0	MI-3-6F1 - CAC-PY-2599 Transmation Converter Model 230T - Original issue.
3-19-80	XII	9	PT 3.1.1P - ECCS - LPCI Pump Discharge Pressure Interlock Channel Functional Test - Revised to ensure the correct relay terminals are used.
3-19-80	X	26	PT 3.1.7P - Reactor Low Water Level #2 and #3 Channel Functional Test - Revised to ensure the correct relay terminals are used.
3-19-80	X	2	PT 3.1.1PC - ECCS - LPCI Pump Discharge Pressure Interlock Channel Calibration and Functional Test - Revised to ensure the correct relay terminals are used.
3-19-80	X	4	PT 3.1.12PC - ECCS - Core Spray Pump Discharge Pressure Interlock - Revised to ensure the correct relay terminals are used
3-19-80	X	1	PT 7.1.7PC - Core Spray Sparger High D/P Calibration and Functional Test - Revised to clear instrument of water and to update.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-19-80	X	12	PT 3.1.14P - ECCS - Reactor Low Pressure Channel Functional Test - Revised to ensure the correct relay terminals are used.
3-19-80	X	4	PT 3.1.14PC - ECCS - Reactor Low Pressure Channel Calibration Functional Test - Revised to ensure the correct relay terminals are used.
3-19-80	X	7	PT 1.1.12PC - High Steam Line Radiation Channel Calibration and Functional Test - Revised to minimize the possibility of jumpering the wrong relay terminals.
3-19-80	X	3	PT 1.1.13P - High Steam Line Radiation Channel Alignment and Functional Test - Revised to minimize the possibility of jumpering the wrong relay terminals.
3-19-80	X	21	PT 1.1.12P - High Steam Line Radiation Channel Functional Test - Revised to minimize the possibility of jumpering the wrong relay terminals.
3-19-80	X	4	P ^m 55.2PC - Remote Shutdown Reactor Pressure Loop Calibration - Revised to attain a greater accuracy.
3-19-80	X	9	PT 1.1.7PC - APRM - Fixed and Flow Biased (Thermal) Neutron Trips Channel Calibration - Revised to update.
3-19-80	X	19	PT 1.3.1P - Reactor Protection Instrument Test - Revised to ensure that both valves have opened fully when the annunciator is reset.
3-21-80	X	5	PT 45.3.5 - ECCS, LPCI Initiation Response Time - Revised to reflect proper test jack designation and to provide valve lineup sign-offs.
3-21-80	N/A	0	SP-80-7 - LPRM Replacement - Special Procedure - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-21-80	IX	0	FH-11H - Control Rod Removal and Installation - Original issue.
3-21-80	VII	0	OWP-43/8 - Repair of RHR SW Pump Discharge Check Valve - Original issue.
3-21-80	XVI	2	A-3/1-7 - RHR System II Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	1	A-3/2-6 - Core Spray System II Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	1	A-3/3-2 - Auto Depressurization Relays Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	1	A-3/5-1 - Auto Depressurization Timers Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	2	A-1/1-8 - RHR System I Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	3	A-1/2-6 - Core Spray System I Actuated, Unit No. 2 - Revised setpoints.
3-21-80	XVI	2	A-1/1-8 - RHR System I Actuated, Unit No. 1 - Revised setpoints.
3-21-80	XVI	2	A-1/2-6 - Core Spray System I Actuated, Unit No. 1 - Revised setpoints.
3-21-80	XVI	1	A-3/6-9 - Reactor Low Water Level Initiation, Unit No. 2 - Revised setpoints.
3-21-80	XVI	3	A-3/5-9 - RHR Reactor Pressure Low, Unit No. 2 - Revised setpoints.
3-21-80	XVI	1	A-3/6-9 - Reactor Low Water Level Initiation, Unit No. 1 - Revised setpoints.
3-21-80	XVI	1	A-3/5-9 - RHR Reactor Pressure Low, Unit No. 1 - Revised setpoint.
3-21-80	XVI	1	A-3/3-2 - Auto Depressurization Relays Energized, Unit No. 1 - Revised setpoints.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-21-80	XVI	1	A-3/1-7 - RHR System II Actuated, Unit No. 1 - Revised setpoints.
3-21-80	XVI	1	A-3/5-1 - Auto Depressurization Timers Initiated, Unit No. 1 - Revised setpoints.
3-21-80	XVI	2	A-3/2-6 - Core Spray System II Actuated, Unit No. 1 - Revised setpoints.
3-21-80	XVI	5	OP-27 - Generator and Exciter System - Revised for testing the generator and exciter field ground relays.
3-21-80	XVI	5	OP-26 - Turbine System - Revised for testing turbine valves, lift pumps, thrust bearing wear, master trip solenoid, shaft voltage, mechanical trip, valve oil trip and MSR leak detection.
3-21-80	X	1	PT 2.2.4 - PCIS - Valve Verification - Revised to update.
3-21-80	XII	0	MI-10-514D - Major Unfired Pressure Vessel Inspections - Original issue.
3-21-80	XII	0	MI-16-575 - ITT Grinnell Test Rig for Snubbers, Model 5434-3 - Original issue.
3-21-80	XII	0	MI-10-514C - Boiler and Fired Vessel Inspections Original issue.
3-21-80	XII	28	OP-14 - Reactor Water Cleanup - Revised to detect resin breakthrough.
3-21-80	XII	0	MI-16-577 - Hydrolaser - Original issue.
3-21-80	XII	0	MI-10-514B - Turbine Generator Assembled Inspection - Original Issue.
3-21-80	XII	0	MI 10-514A - Turbine Generator Dismantled Inspection - Original issue.
3-21-80	XII	4	MP-4 - Maintenance Procedure - Revised to include housekeeping requirements and to update.
3-21-80	XII	1	MI-3-4C2 - L&N Speedomax Multipoint Conductivity Recorder Type "H"-Revised to comply with CQA and NRC requirements

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-21-80	N/A	0	SP-80-8 - Unit No. 2 Service Water Piping Inspection - Original issue.
3-22-80	N/A	0	SP-80-9 - Jet Pump Visual Inspection - Provides for a TV inspection of the hold-down mechanism on the reactor coolant recirculation jet pump "ram's heads."
3-24-80	VII	1	RC&T-0200 - Personal Exposure Control to Ionizing Radiation -Revised to implement additional exposure control methods to allow for daily dose tabulations during the refueling outages.
3-24-80	VIII	1	RC&T-0230 - Issue and Use of Radiation Work Permit - Revised to allow for better control of radiation work permits during refueling outages.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-25-80	X	9	PT 19.4 - Safety/Relief Valve Pressure Test - revised to delete the portion that applied to on-site testing of the valves.
3-25-80	XII	1	MI-10-500 - Lubrication Schedule - Revised to comply with MP-10 and to make additions to the schedule.
3-25-80	XII	0	MI-10-505B - Gould's Pump Model 3196-ST, 3196-MT and 3196-XLT - Original issue.
3-25-80	XII	0	MI-10-512A - Visual Inspection of Nonsafety Related Snubbers - Original issue.
3-25-80	XII	1	MI-10-515B - Pump Vibration Reading Service Water/Circ. Water/Screen Wash/Well Water - Revised so more than one pump can be tested.
3-25-80	XII	0	MI-10-514E - Diesel Generator External Inspection - Original issue.
3-25-80	XII	0	MI-16-584 - Fisher Control Valve-Actuator Diaphragm Replacement - Original issue.
3-25-80	XII	0	MI-16-578 - Core Spray Pumps - Original issue.
3-25-80	XII	1	MI-16-507 - SLC Accumulators - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-519 - Posi-Seal Valves - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-568 - Refueling Bridge, Redundant Grapple - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-573 - Refueling Platform: Menorail, Frame Mounted and Power Hoist Assembly - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-526 - Darling Valve Repair (B32-FO31A&B) - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-570 - Refueling Platform, Main Hoist - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-504 - Lufkin High Speed Gear Reducer/Incraser, Type N - Revised to comply with MP-16.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-25-80	XII	1	MI-16-553 - Diaphragm Actuator-Fail Open Operation - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-533 - 16", 300# ANSI Jamesbury Wafer-Sphere Valve - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-548 - CRD Flow Rate Controller - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-569 - Refueling Platform Mast and Cable - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-574 - Refueling Platform: Hose Reel Assembly - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-566 - Nuclear and Conventional Service Water Pump Strainers - Revised to comply with MP-16.
3-25-80	XIII	13	Emergency Plan - Revised to more clearly delineate the responsibility of the Emergency Coordinator and to add a letter of agreement with Dr. J. L. Phillips, a local doctor.
3-25-80	VIII	1	RC&T-1000 - Sampling and Analysis Schedule for Radioactive and Nonradioactive Chemistry - Revised to streamline reporting to management.
3-25-80	VIII	2	RC&T-0111 - Routine/Special Survey for Removable Surface Containment - Revised to update.
3-25-80	I, Book 2	14	AI-2 - Collection, Maintenance, Control and Storage of Plant Records - Revised to update.
3-25-80	I	1	AI-37 - Follow-up Action - Revised to update title changes.
3-25-80	XII	1	MI-16-547 - Freeze Plugging of Stainless Steel and Carbon Steel Piping - Revised to comply with MP-16.
3-25-80	XII	2	MI-16-565 - High Pressure Coolant Injection Turbine - Revised to comply with MP-16 and to incorporate Technical Manual information.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-25-80	XII	1	MI-16-551 - Grinnell Diaphragm Valves - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-528 - Fisher Butterfly Valves - Revised to comply with MP-16.
3-25-80	XII	1	MI-16-544 - Fuel Pool Cooling Pumps - Revised to comply with MP-16.
3-25-80	X	6	PT 35.5 - Fire Extinguisher Service and Inspection - Revised to add new extinguisher installations.
3-25-80	II	3	SD-18 - Core Spray - Revised to update.
3-25-80	N/A	0	SP-80-2 - Local Leak Rate Testing of Containment Isolation-Water Test - Original issue.
3-25-80	XIX	0	FP-12 - Control of Portable Fire Extinguishers - Original issue.
3-25-80	XIX	0	FP-13 - Operation of Respiratory Air Compressor Group - Original issue.
3-25-80	N/A	6	SP-79-6 - Southwest Research Institute Non-destructive Testing Procedure - Revised to comply with the 1974 edition of Section XI with addenda through summer 1975.
3-25-80	VIII	2	RC&T-2000 - Radioactive Airborne Effluent Releases and Reports - Revised to update the noble gas release rate equations to reflect current Tech. Spec. requirements.
3-25-80	VIII	1	RC&T-0600 - RC&T Emergency Actions for Site Evacuation - Revised to assign an RC&T technician to search for unaccounted for persons in affected buildings during a local or site emergency.
3-27-80	VIII	1	RC&T-0313 - Staplex High-Volume Air Sampler Type TF1A - Revised to allow calibration of the instrument with a charcoal cartridge for iodine detection.
3-27-80	VIII	0	RC&T-4100 - ALARA Program - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-27-80	VIII	0	RC&T-2201 - Calibration/Operation of ND 6600 Multichannel Analyzer - Original issue. Deleted procedure RC&T-0201, which was replaced by RC&T-2201.
3-27-80	N/A	2	SP-,9-40 - Safety Related Drywell Equipment Electrical Termination Solution and Inspection - Revised to add equipment list #3.
3-27-80	III	12	OP-43 - Service Water System - Revised to clarify the procedure for opening F068A and B.
3-27-80	X	9	PT 1.2.1 - Source Range Monitoring System - Revised to comply with Tech. Spec. 3/4.9.2 change.
3-27-80	VII	4	OI-3 - Periodic Testing and Daily Surveillance Report - Revised to comply with Tech. Spec. 3/4.9.2 change.
3-27-80	IV	5	OG-2 - Tech. Spec. LCO Follow-Up Procedure - Updated due to organizational changes.
3-27-80	IV	12	OG-6 - Radioactive Gaseous Release Control - Revised due to organizational changes.
3-27-80	IV	1	OG-8 - Guidelines for Preparation of Mechanical Jumper and Abnormal System Operation Procedure - Revised due to organizational changes and added QA sign-off.
3-27-80	IV	7	OG-3 - Primary Containment Access Control - Revised due to organizational changes.
3-27-80	X	12	PT 8.1.3 - LPCI/RHR System Component Test - Revised to check the operation of FI-3338.
3-27-80	III	4	OP-48 - Communications System - New telephone system requires a larger power source. Revised the electrical lineup.
3-27-80	X	11	PT 18.1 - Refueling Interlock Check - Added a step to remove shorting links prior to removing the control rod.
3-27-80	N/A	1	SP-79-41 - RPV Bottom Drain Flush - Rewritten to include RWCU piping flush and in vessel work associated with the flush procedure.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
3-28-80	N/A	0	SP-80-10 - Recovery of LPRM Nosepiece - Original issue.
3-31-80	X	13	PT 3.1.14P - Reactor Low Pressure Channel Functional Test - Installed a jumper to prevent a reactor scram if the instrument is bumped and separated valving steps.
3-31-80	X	26	PT 1.3.2P - Reactor Protection Instrument Test - Revised to incorporate the reactor coolant recirculation pump trip initiate logic and to add a step to release the control valve test push button to avoid a half scram.
3-31-80	X	5	PT 45.2.10 - PCIS (Group 1 and 3 logic) - Revised the performance frequency to reflect Tech. Spec. changes.
3-31-80	X	16	PT 3.1.5P - ECCS - Reactor Vessel Shroud Level Channel Functional Test - Added a diagram and corrected instrument designation.
3-31-80	X	15	PT 3.1.11P - ECCS - Suppression Chamber High Water Level Channel Functional Test - Corrected instrument valving.
3-31-80	X	4	PT 3.1.11PC - ECCS - Suppression Chamber High Water Level Channel Calibration and Functional Test - Corrected instrument valving.
3-31-80	I Book 2	15	AI-6 - Plant Filing Instructions - Revised to be compatible with the CMMS codes and new records management system.
3-31-80	X	2	PT 5.4PC - Chloride Intrusion Monitors Calibration and Channel Functional Test - Deleted annunciators per plant modifications, clarified items and defined "operable" condition.
4-1-80	N/A	0	SP-80-11 - Hydrostatic Test Procedure for New Package Boiler - Original issue.
4-1-80	VII	0	OWP-7/11 - Removal of Control Rod and Control Rod Drive Mechanism to Unplug Reactor Vessel Bottom Drain Line - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-1-80	VIII	0	RC&T-1050 - Package Boiler Chemistry Control - Original issue.
4-2-80	XI	9	QAP-2 - On-Site QA Surveillance - Updated the procedure and described the computer tracking system.
4-2-80	XII	2	MI-16-502 - CRD Hydraulic Pump Suction Filter Replacement - Revised QA holdpoints to lead mechanic holdpoints.
4-2-80	IV	File 5420	OG-8, C-8-12 - Package Boiler Operation - New procedure common to both units.
4-2-80	XII	3	MI-10-504B - Instrument and Service Air Check Valve Inspection - Added holdpoints, sign-offs, data sheets and valves to the list.
4-2-80	XII	0	MI-16-582 - Containment Atmospheric Control Monitor Vacuum Pump Model AF-22 - Original issue.
4-2-80	I, Book 4	3	SK-2 - Receiving - Updated for recording Q-list material shelf life and for receiving Radwaste shipping containers.
4-2-80	XII	4	MI Index of Electrical Corrective Maintenance Instructions - Updated by adding new instructions.
4-2-80	XII	1	MI-16-560 - Flushing of Hot Control Rod Drive Mechanisms - Revised to comply with MP-16.
4-3-80	IX	13	FH-11 - Refueling - Delete the requirement for removing shorting links prior to refueling.
4-3-80	N/A	0	SP-80-12 - As-Built Verification of Safety-Related Valves - Original issue.
4-4-80	X	14	PT 8.2.4 - RHR Service Water System Component Test - Revised ranges due to Tech. Spec. change and plant modifications. Added precautions and use of more accurate test gauges.
4-4-80	X	12	PT 4.1.1 - Process Radiation Monitors - Revised to conform to both units.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-4-80	III	5	OP-49 - Lube Oil Storage and Conditioning System - Revised to add valves and valve positions.
4-4-80	VI	0	EI-49 - Anticipated Transients Without Scram - Original issue.
4-4-80	VII	1	OWP-43/4 - Repair Various Leaks on RHR Service Water Piping - Revised to reflect changes in the clearance tag out requirements.
4-4-80	VII	3	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Added new procedures.
4-4-80	X	11	PT 1.2.3 - Average Power Range Monitor (15%) - Deleted the requirements for shorting links due to Tech. Spec. change.
4-4-80	X	4	PT 1.2.4A - APRM Inop - Deleted the requirements for shorting links due to Tech. Spec. change.
4-8-80	N/A	1	SP-80-7 - LPRM Replacement - Added QA sign-offs at the hold points.
4-8-80	X	1	PT 35.18.2 - Swinging Fire Doors - Deleted three fire doors and added comment and sign-off sheet.
4-8-80	N/A	2	SP-79-41 - RPV Bottom Drain Flush - Added a jumper so the bridge could be moved over the core with the hoist loaded and a control rod removed.
4-8-80	N/A	1	SP-79-36 - Hydrostatic and Pneumatic Testing of Instrument Tubing - Added a requirement for marked-up prints to be attached.
4-8-80	X	9	PT 1.8 - APRM Calibration - Deleted the PT.
4-8-80	X	1	PT 12.1.2 - Diesel Generator Actual Loading Test, Unit No. 2 - Divided Section A into two parts and created a new PT 12.1.2A for Sections B and C.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-8-80	X	0	PT 12.1.1A - Diesel Generator Actual Loading Test, Unit No. 1 - Revised to include the Sections B and C of PT 12.1.1, revision 3.
4-8-80	XI	0	QAP-21 - Radwaste Shipments - Original issue.
4-8-80	I, Book 4	1	SK-4 - Issuing of Materials and Tools - Added shelf-life expiration directions.
4-8-80	I, Book 4	4	SK-1 - Material Requisition and Reorder Procedures and Responsibilities - Updated approval levels.
4-8-80	I Book 4	3	SK-3 - Storage - Changed "inspect" to "walk-through" and updated the file number.
4-9-80	N/A	0	SP-80-13 - Ultrasonic Examination of Jet Pump Restrainer Beams - Original issue.
4-10-80	XII	0	MI-16-589 - Lonergan Relief Valves - Series "LCT" - Original issue.
4-10-80	X	9	PT 8.1.4 - RHR Service Water System Component Test - Revised the acceptance criteria due to Plant Modifications 79-309 and 79-310 and revised Tech. Specs. Specified accurate test gauges and flow tolerances.
4-11-80	X	1	PT 20.1.PC - Intake Canal Level Instrumentation Channel and Functional Test - Revised since the instrument was deleted by Plant Modification 79-150 and to separate valving steps.
4-11-80	X	17	PT 5.4P - Chloride Intrusion Monitors Channel Functional Test - Deleted reference to Control Room annunciators due to Plant Modification 79-59 and 79-60.
4-11-80	X	5	PT 3.1.5PC - Reactor Vessel Shroud Level Channel Calibration - Corrected instrument designation and relay configuration.
4-11-80	X	15	PT 17.1P - Plant Batteries - Updated Table 1.
4-11-80	X	27	PT 1.1.4P - RPS - Reactor Low Water Level No. 1 Channel Functional Test - Revised jumpering to prevent slipping of jumpers.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-11-80	X	3	PT 1.1.4PC - RPS - Reactor Low Water Level No. 1 Channel Calibration and Functional Test - Revised jumpering and separated valving steps.
4-11-80	X	2	PT 3.2 - Recirculation Pump Trip Logic Functional Test - Separated valving steps, revised relay operation verification and revised valve lineup sign-offs.
4-11-80	X	7	PT 36.4 - Stator Cooling - Added recommended equipment.
4-11-80	X	1	PT 55.8PC - Remote Shutdown RHR System Flow Calibration - Corrected instrument designation.
4-11-80	X	6	PT 1.1.9PC - APRM - Flow Units - Separated valving steps and updated PT.
4-11-80	XII	1	MI-10-4B - CRD - Hydraulic Control Unit - Scram Pilot Valves - Revised to meet CQA and NRC requirements for equipment performance.
4-11-80	XII	1	MI-10-5A - GE Model 300 Terminet Printer Computer Peripheral - Revised to meet CQA and NRC requirements.
4-11-80	XII	1	MI-10-6G - Plant Batteries - Revised to ensure performance reliability.
4-11-80	XII	3	MI-10-2B - Surveillance Program for Raychem Cables - Revised to comply with NRC and CQA requirements.
4-11-80	XII	1	MI-10-6C - Control Room Terminal Cabinet Exhaust Fans - Updated for optimum equipment performance.
4-11-80	XII	0	MI-3-1BY1 - HPCI Pump Discharge and Turbine Steam Inlet - Original issue.
4-11-80	XII	1	MI-10-6D - Reactor Building Small Cranes - Updated for optimum equipment performance.
4-11-80	XII	0	MI-3-2R2 - Uniloc Basic Conductivity Monitor Model 750 - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-11-80	XII	0	MI-10-5C - Process Computer Air Filter and Lamp Replacement - Original issue.
4-11-80	XII	1	MI-10-2M - Recirculation MG Set Brushes - Revised to comply with NRC and CQA requirements.
4-11-80	XII	8	MI-3-15A - Process Radiation Monitor - Revised to comply with NRC and CQA requirements.
4-11-80	XII	0	MI-3-2P2 - Uniloc Basic pH Monitor Model 1050 - Original issue.
4-11-80	XII	0	MI-16-11 - MGU Signal Converter Alignment - Original issue.
4-11-80	XII	5	MI-10-3A - NMC Radiation Monitor and Drywell Analyzer Systems - Revised to comply with NRC and CQA requirements.
4-11-80	XII	0	MI-10-6N - Functional Test of C11-SV-F009(A&B) and C12-SV-F009(A&B) - Original issue.
4-11-80	XII	0	MI-3-1U1 - AOG-PT-101 and AOG-PT-106A Pressure Transmitter - Original issue.
4-11-80	XII	1	MI-10-3H - Chlorinator Check Penwalt Model 50-125 - Revised to comply with NRC and CQA requirements.
4-11-80	XII	4	MI-10-4C - CRD - Scram Pilot Valves - Diaphragm and Gasket Replacement - Revised to comply with NRC and CQA requirements.
4-11-80	XII	1	MI-10-3G - TIP Calibration System - Revised to comply with NRC and CQA requirements.
4-11-80	XII	1	MI-10-6A - DG-MOP Woodward Motor Operated Pot - Revised to comply with NRC and CQA requirements.
4-11-80	XII	0	MI-3-8G1 - AOG-OZ1-105/HCR-106 Ozone/Hydrocarbon Monitor - Revised to comply with NRC and CQA Requirements.
4-15-80	X	9	PT 1.5.4 - Control Rod Blocks - Change upscale trip to upscale alarm.
4-15-80	VII	0	OWP-16/14 - Calibration/Repair of RCIC FIC-R600 Flow Controller - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-15-80	VII	1	OWP-7/7 - CRD Mechanism - Removal with fuel in the vessel, to check why the drive mechanism will not couple to CRD blade. Revised PT number which has changed.
4-15-80	IV	55	GP-1 - General Plant Operating Procedure - Added requirements to sample auxiliary steam before using.
4-15-80	I, Book 1	35	Administrative Procedures - Added info in IE Information Notice No. 80-06, updated and clarified.
4-15-80	VII	0	OWP-51/2 - 125 VDC Battery Charger Maintenance - Original issue.
4-15-80	II	17	PT 40.2.5 - Turbine Control Valve Testing - Revised to prevent an inadvertent turbine trip.
4-15-80	III	7	OP-21 - Reactor Building Closed Cooling Water System - Revised for automatic makeup to the surge tank.
4-15-80	III	12	OP-29 - Circulating Water Systems - Revised since valves and pressure gauges have been deleted.
4-17-80	N/A	0	SP-80-14 - In-Place Testing of HEPA Filters and Iodine Adsorbers - SBT - Original issue.
4-17-80	N/A	0	SP-80-15 - In-Place Testing of HEPA Filters and Iodine Adsorbers - HVAC - Original issue.
4-23-80	III	6	OP-40 - Auxiliary Steam System - Added: "Do not operate any boiler with any known radioactive leakage into the Boiler Feedwater System."
4-23-80	IX	1	FH-11H - Control Rod Blade Removal and Installation - Deleted the venting requirement on the control rod drive mechanism which was not removed.
4-23-80	X	3	PT 31.5 - Instrument Air System Component Test - Revised to clarify and to change valve locations.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-23-80	XX	3	ENP-7 - Licensee Event Reports - Added provisions for 10CFR21 reviews.
4-23-80	X	7	PT 35.5 - Fire Extinguisher Service and Inspection - Added and updated procedure for temporary outside fire extinguishers.
4-23-80	X	5	PT 35.7 - Sprinkler and Deluge Systems - Updated procedure.
4-23-80	XI	2	QAP-14 - Walk-Through Inspection Procedure - Added inspections of emergency lighting and communications.
4-23-80	X	4	PT 12.1.1 - Diesel Generator Actual Loading Test - Updated procedure; Sections B and C were deleted and incorporated into a new PT 12.1.1A.
4-23-80	X	0	QAP-22 - Identification of Repeated Offenders of Plant QA Program - Original issue.
4-25-80	VIII	1	RC&T-0-20 - Whole Body Counting - To incorporate operation and counting personnel for whole body assay.
4-28-80	I Book 2	1	AI-39 - BSEP Program for Compliance to 10CFR21 - Updated, simplified and removed the specific requirement for STAs to perform the analysis.
4-29-80	XII	0	MI-16-585 - Velan Gate Valves, 2" and Smaller - Original issue.
4-29-80	XII	0	MI-10-504C - Instrument Air Dryer - 4-Way Plug Valve Inspection - Original issue.
4-29-80	XII	0	MI-16-587 - Lonergan Relief Valves - Series H - Original issue.
4-29-80	XII	0	MI-16-588 - Lonergan Relief Valves - Series "D" and "DB" - Original issue.
4-29-80	XII	0	MI-16-586 - Velan Globe Valves, 2" and Smaller - Original issue.
4-29-80	XII	1	MI-16-511 - Limitorque Actuator Motors AC/DC - Added cleanliness hold points, steps to be documented and a data sheet.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-29-80	XII	1	MI-16-503C - Anchor Swing Check Valve - Revised to include all Anchor swing check valves.
4-29-80	XII	0	MI-16-579 - RCIC Turbine - Original issue.
4-29-80	XII	0	MI-16-580 - RCIC Pump - Original issue.
4-29-80	XII	2	MP-23 - Boiler and Pressure Vessel Inspections - Domestic style hot water heaters deleted per amended state requirements.
4-29-80	XII	16	MP-3 - Calibration of Process Instruments - Revised to comply with CQA and NRC requirements.
4-29-80	VIII	1	RC&T-0241 - Drywell Work During Spent Fuel Movements - Revised to provide a means for accounting for personnel in the event of drywell evacuation.
4-29-80	VIII	1	RC&T-2202 - Operation and Calibration on Packard Liquid Scintillation Counter - Revised to ensure a greater degree of accuracy.
4-29-80	N/A	0	SP-80-17 - Inspection of RPV Internal Components - Original issue.
4-29-80	VIII	1	RC&T-0324 - Calibration of the Eberline E-520 - Updated the procedure.
4-29-80	VIII	1	RC&T-1200 - Radioactive Liquid Waste Analysis - Updated the procedure.
4-29-80	VIII	1	RC&T-1110 - Chloride Determination by Color - Revised to clarify.
4-29-80	XII	0	MI-10-5B - Process Computer Analog Input Scanner - Revised to comply with CQA and NRC requirements.
4-29-80	XII	0	MI-10-5E - Computer Air Conditioners - Revised to comply with CQA and NRC requirements.
4-29-80	XII	1	MI-10-2P - Main Generator 24KV Isophase Bus Ducts and Disconnect Links - Revised to comply with CQA and NRC requirements.
4-29-80	XII	1	MI-10-2AB - Electrical Equipment Cooling Fans and Filters - Revised to comply with CQA and NRC requirements.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
4-29-80	XII	3	MI-10-1D - Bailey Type 731 and 732 GE Type 520, 521, 530, 531 Strip Chart Recorders - Revised to comply with CQA and NRC requirements.
4-29-80	XII	4	MI-3-38 - Power Supply Type 570-06 and 570-07 - Revised to comply with CQA and NRC requirements.
4-29-80	XII	1	MI-3-20F1 - D12-M001 GE Internal Timer TSA-21 - Revised so the solenoid was activated to start the timer.
4-29-80	XII	1	MI-3-5W1 - Johnson C-208 Proportional Cumulator VA-TY-1606, -1607, -1608, -1609 - Revised to comply with CQA and NRC requirements.
4-29-80	XII	0	MI-3-5X1 - E41-FIC-R600, HPCI Reactor Core Coolant Flow Controller - Original issue.
4-29-80	XII	0	MI-3-1AK2 - 2-B21-LT-NO27 GE Level Transmitter Model 555 - Revised to comply with CQA and NRC requirements.
4-29-80	XII	5	MP-11 - Control of Relay and Overload Settings - Revised to comply with CQA and NRC requirements.
4-29-80	II	4	SD-18 - Core Spray - Corrected instrument identifications and made editorial changes.
4-29-80	I, Book 3	2	TI-001 - Brunswick Plant Training - Added electricians and revised job titles.
4-29-80	I, Book 3	4	TI-300 - General Employee Training - Clarified subjects and listed items taught in "badging" class. Added fire protection training.
4-29-80	X	1	PT 48.1 - Public Address Page System - Revised to eliminate unnecessary steps.
4-30-80	I, Book 2	2	AI-10 - Spent Fuel Shipping Cask Interface Document - Revised to define the responsibilities for preventive maintenance on the spent fuel cask and to define routing of records.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-1-80	VIII	0	RC&T-3280 - Radioactive Material Recovery Procedure - Original issue.
5-5-80	VII	0	OWP-19/23 - Adjustment of Stroke Time on 1-E41-V8 - Original issue.
5-5-80	VII	0	OWP-39/8 - Removal of # _____ DG From Service for Cylinder Head Repairs - Original issue.
5-5-80	VII	4	OI-10 - OWP Preparation and Execution - Updated procedure.
5-5-80	VII	0	OWP-24/9 - Repacking or Repair of Reactor Recirc. Sample Isolation Valves - Original issue.
5-5-80	N/A	1	SP-79-37 - Safety-Related Drywell Equipment Electrical Termination Solution and Inspection - Revised to reflect field conditions and reduce interferences with other work in progress.
5-5-80	N/A	3	SP-79-40 - Safety-Related Drywell Equipment Electrical Termination Solution and Inspection - Revised to remove the requirement to stroke 2-G31-F001 prior to working this valve.
5-8-80	XII	0	MI-16-590 - HPCI Turbine Stop Valve Hydraulic Cylinder - Original issue.
5-8-80	VIII	0	RC&T-0216 - Control and Monitoring of Nonradioactive Plant Waste and Scrap - Original issue.
5-8-80	X	2	PT 15.1 - Standby Gas Treatment System Filter Test - Revised the filter and adsorber bank efficiency to $\geq 99\%$.
5-8-80	X	2	PT 35.4.5 - Fire Detection System, Service Water Building, Water Treatment Building, Control Building - Updated the procedure.
5-9-80	XII	3	MI-11-1 - GE Overcurrent Relay Checkout for Types IAC51A, IAC53B, IAC57B, IAC66A, IAC66C. Revised to comply with CQA and NRC requirements.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-9-80	XX	4	ENP-7 - Licensee Event Reports (LERs) - Added LER worksheets and updated the procedure.
5-9-80	VIII	1	RC&T-0216 - Control and Monitoring of Nonradioactive Plant Waste and Scrap - Revised to reduce the total contamination level.
5-9-80	N/A	3	SP-79-41 - RPV Bottom Drain Flush - Revised to use reactor coolant recirculation pump 2A injection line.
5-12-80	X	5	PT 45.2.7 - Reactor Low Water Level #1 Response Time - Revised per Plant Modification 77-27 and 77-168.
5-12-80	X	4	PT 1.1.13P - High Steam Line Radiation Channel Alignment and Functional Test - Revised for provision for zero adjust for greater accuracy.
5-12-80	I	36	Administrative Procedures - Revised to meet 10CFR50.59 requirements and to update the Operations Control Room key control.
5-12-80	X	8	PT 2.1.3PC - HPCI Isolation Instrumentation - Revised to close valve Ell-F004 and sign off the step.
5-12-80	XII	0	MI-3-2B1-3 - B21-FI-R611 A and B GE Type 180 Meter - Original issue.
5-12-80	XII	6	MI-1-17 - Thermoelectric Minimite Potentiometer Calculation - Revised to add more detail and to agree with MP-1.
5-12-80	XII	6	MI-1-21 - Hewlett-Packard Model 355D VHF Attenuator - Revised to add more detail and to agree with MP-1.
5-12-80	XII	0	MI-3-4L2 - G16-UR-2998, Leeds and Northrup Recorder Model M Mark III - Original issue.
5-12-80	XII	1	MI-10-2W - Alterrex Excitation System Static Control - Revised to comply with CQA and NRC requirements.
5-12-80	XII	1	MI-10-2AG - Overhead Crane Check Out - Revised to comply with CQA and NRC requirements.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-12-80	XII	0	MI-10-2AH - The Electric Products Company #80 Diode and Field Control Ring Assembly - Original issue.
5-12-80	XII	6	MP-16 - Writing Corrective Maintenance Instructions - Revised to comply with CQA and NRC requirements.
5-12-80	XII	1	MI-10-2X - Bridging the Main Generator Windings - Revised to comply with CQA and NRC requirements.
5-12-80	XII	0	MI-10-5D - Process Computer 1400 A/B Digital I/O - Original issue.
5-13-80	N/A	1	SP-80-1 - Draining the Torus with Temporary Pump and Piping - Incorporated procedures for draining from one torus to the other torus.
5-14-80	I, Book 2	2	AI-39 - BSEP Program for Compliance with 10CFR21 - Corrected previous revision deletion of the wrong paragraph.
5-14-80	VII	0	OWP-7/10-1 - Control Rod Blade Removal with Fuel in the Vessel - Original issue.
5-14-80	IX	7	FH-11A - Refueling Platform Operations - Revised to remove control rods in accordance with FH-11.
5-14-80	VII	1	OWP-17/13 - Removing an RHR Loop from Service to Clean, Inspect or Repair RHR Seal Coolers - Revised to reduce to number of components that are inoperable during a single RHR seal cooler repair. Revised to ensure the cooler outlet valve is operable after the operator is reinstalled.
5-14-80	X	5	PT 12.2.1 - ECCS D/G Logic Test - Corrected typographical errors.
5-14-80	VI	13	EI-31 - Reactor Scram - Added information to clarify a manual action. Suggested by the NRC after an inspection.
5-14-80	VII	5	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Updated OWP Index.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-14-80	III	14	OP-43 - Service Water System - Revised to prevent leaving RHR SW A System in an abnormal configuration.
5-15-80	VIII	2	RC&T-0216 - Control and Monitoring of Nonradioactive Plant Waste and Scrap - Revised the limiting conditions for the monitoring of clean waste and scrap.
5-16-80	VIII	0	RC&T-0205 - Radiological Controls for Portable Drycleaning Units - Original issue.
5-16-80	VIII	1	RC&T-0110 - Monitoring Personnel for Contamination - Revised to establish a minimum frisker background level and alarm setpoint and to provide contamination monitoring guidance.
5-16-80	VIII	1	RC&T-0211 - Selection, Use and Wearing of Protective Clothing - Revised to delineate radiation contamination levels acceptable for protective clothing. Revised to provide guidance in sorting out protective clothing.
5-16-80	VIII	1	RC&T-0210 - Personnel Decontamination - Revised to delineate levels of skin contamination and to provide documentation for skin contamination and dose assessments.
5-16-80	VIII	0	RC&T-0215 - Unrestricted Release of Materials - Original issue.
5-19-80	I, Book 3	2	TI-101 - Related Technical Training and On-The-Job Training for Instrumentation and Control Technicians - Revised to provide qualification cards and to update.
5-19-80	X	2	PT 2.1.16PC - Primary Containment Isolation System - Added tolerances, corrected resistor value, clarified and updated.
5-19-80	X	4	PT 45.1.7 - Turbine Control Valve Fast Closure, Response Time - Corrected control valve designation.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-19-80	XII	0	MI-16-593 - Hydrotesting of Pipe and/or Vessels - Original issue.
5-19-80	XII	11	MP-1 - Control of Measuring Devices and Test Equipment - Updated and clarified requirements.
3-19-80	I, Book 3	0	TI-105 - Related Technical Training and On-The-Job Training for Electricians - Original issue.
5-21-80	X	10	PT 1.9 - LPRM Calibration - Eliminated the need for a calculator while adjusting gains by using real values instead.
5-21-80	X	4	PT 1.1.4PC - RPS-Reactor Low Water Level No. 1 Channel Calibration and Functional Test - Revised jumpers to support this procedure.
5-21-80	X	28	PT 1.1.4P - RPS-Reactor Low Water Level No. 1 Channel Functional Test - Revised jumpers to support this procedure.
5-21-80	X	1	PT 12.1.1A - Diesel Generator Actual Loading Test - Added valves to clearance list.
5-21-80	XII	0	MI-16-591 - Velan Lift Disc Type Check Valves, 2" and Below - Original issue.
5-21-80	XII	0	MI-10-504E - Joy Air Compressor Overhaul - Original issue.
5-21-80	XII	1	MI-16-534 - HPCI Main Pump - Revised to conform to ANSI-18.7.
5-21-80	XII	1	MI-16-540 - Replacement to Crane Cable - Reactor Building Crane Unit Nos. 1 and 2 - Revised to conform to MP-16.
5-21-80	X	0	PT 41.3 - IF 300 Irradiated Fuel Shipping Cask - Standard and Redundant Lifting Yokes and Inspection - Original issue.
5-21-80	XII	4	MI-1-503 - Dial Indicator Calibration - Revised test equipment list.
5-21-80	XII	1	MI-10-504A - Instrument Air Dryer After-Filter Inspection/Replacement - Updated the procedure.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-21-80	XII	3	MI-16-502 - CRD Hydraulic Pump Section Filter Replacement - Revised to monitor filters and to delete the use of acetone.
5-21-80	X	1	PT 19.7.2 - Reactor Building Closed Cooling Water Heat Exchanger - Corrected the equipment list.
5-21-80	XII	2	MI-10-500 - Lubrication Schedule - Added new shop equipment to the schedule.
5-21-80	XII	0	MI-16-592 - HCU Cartridge Valve (iii) - Original issue.
5-21-80	XII	1	MI-10-500D - Lubrication Change Schedule - Added the Unit No. 2 Turbine Building lube change schedule.
5-21-80	I, Book 2	3	AI-10 - Spent Fuel Shipping Cask Interface Document - Revised to update and exclude equipment not to be included in this procedure.
5-21-80	I, Book 2	3	AI-9.1 - Identifying and Implementing Required Changes to Technical Specifications - Updated the procedure.
5-21-80	X	2	PT 73 - Reactor and Turbine Building Roof Vent Radiation Monitors Channel Calibration - Revised to clarify the acceptance criteria.
5-21-80	X	2	PT 74 - Drywell Radiation Monitors Channel Calibration - Revised to clarify the acceptance criteria.
5-21-80	VIII	0	RC&T-0220 - Respiratory Protection Program - Updated the philosophy and emergency equipment utilized. Deleted RC&T Instruction 7017.
5-21-80	VIII	1	RC&T-0261 - Drywell Entry - Updated the procedure.
5-21-80	VIII	1	RC&T-0510 - Shipment of Radioactive Material - Incorporated Barnwell site criteria changes and provided QA/QC hold points.
5-21-80	VIII	1	RC&T-1050 - Package Boiler Chemistry Control - Clarified sampling for activity analysis.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-21-80	VIII	1	RC&T-1111 - Chloride Ion by Mercuric Nitrate Titration - Updated the procedure.
5-21-80	VIII	0	RC&T-1270 - Minimum Detectable Activity - Original issue.
5-23-80	I, Book 3	6	TI-301 - New Employee Orientation Program - Simplified the program and made it more flexible to the plant needs.
5-23-80	I, Book 3	2	TI-100 - Retraining and Replacement Training for Nonlicensed Operating Personnel - Updated, described qualification process and "qual. card."
5-23-80	I, Book 3	2	TI-102 - Related Technical Training and On-The-Job Training for Mechanics - Updated and provided "qual. card" requirements.
5-28-80	N/A	0	SP-80-19 - Unit No. 1 Service Water Piping Inspection - Original issue.
5-28-80	VIII	3	RC&T-0216 - Control and Monitoring of Nonradioactive Plant Waste and Scrap - Provided acceptable limits for the disposal of nonradioactive waste in a public landfill.
5-29-80	XII	1	MI-16-593 - Hydro Testing of Pipe and/or Vessels - Complete rewrite.
5-29-80	VII	2	OWP-7/7 - CRD Mechanism _____ Removal with Fuel in the Vessel, to check why the drive mechanism will not couple to CRD blade - Removed unnecessary restraints on parallel refueling maintenance.
5-29-80	VII	0	OWP-5/4 - Squib Valve Replacement - Original issue.
5-29-80	X	0	PT 80.0 - Reactor Pressure Vessel Operational Leak Check - Original issue.
5-29-80	IX	14	FH-11 - Refueling - Removed unnecessary restraint on parallel refueling maintenance. Deleted the words "control rod" movement with the frame or monorail hoist.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-29-80	VII	1	OWP-7/4 - CRD System HCU Valve Repair - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	VII	1	OWP-7/5 - CRD System HCU Valve Repair with Rod Withdrawn CRD _____ - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	III	17	OP-7 - CRD System - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	IX	2	FH-11H - Fuel Handling - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	IX	7	FH-11A - Fuel Handling - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	VII	1	OWP-7/1 - CRD Mechanical _____ Removal with Fuel in the Vessel - Removed unnecessary restraint on parallel refueling maintenance.
5-29-80	IX	15	FH-11 - Fuel Handling - Removed unnecessary restraint on parallel refueling maintenance.
5-30-80	X	8	PT 11.1.1 - ADS Logic Functional Test - Revised due to Plant Modification 78-259.
5-30-80	X	0	PT 2.3.5 - Air-Operated Torus - Reactor Building Vacuum Breakers - Revised due to Plant Mods 78-268 and 78-269.
5-30-80	XII	13	MP-10 - Preventive Maintenance Program - Revised date of compliance to May 31, 1980.
5-30-80	XII	2	MI-3-13 - Topaz Inverters - Revised to comply with NRC and CQA requirements.
5-30-80	XII	1	MI-3-1J2 - VA-FT-3151 Bailey Transmitter - Revised to comply with NRC and CQA requirements.
5-30-80	X	8	PT 1.1.12PC - High Steam Line Radiation Channel Calibration and Functional Test - Revised per GE tech. rep's directions to provide more stable and more accurate calibration and operation.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-30-80	X	22	PT 1.1.12P - High Steam Line Radiation Channel Functional Test - Revised per GE tech. rep's direction.
5-30-80	V	0	PPP-4 - Trouble Alarms, Control Systems, and Instrumentation Calibration and Maintenance - Original issue.
5-30-80	I, Book 1	37	Administrative Procedures - Revised to explain the Control Room chain-of-command.
5-31-80	IX	16	FH-11 - Refueling - Revised to allow the review of video tapes by Senior Reactor Operator.
5-31-80	IX	0	FH-16 - LPRM Replacement - Original issue.
5-31-80	X	1	PT 35.22 - Fire Suppression Water System Valve Operability Test - Revised to add valves installed in the system.
5-31-80	II	2	SD-12 - Primary Containment Isolation System - Completely updated to provide a more reliable and readable system description.
5-31-80	II	3	SD-16 - Reactor Core Isolation (RCIC) System - Completely updated to provide a more reliable and readable system description.
5-31-80	II	19	SI-19 - High Pressure Coolant Injection System - Completely updated to provide a more reliable and readable system description.
5-31-80	X	2	PT 50.1 - LPRM/APRM Initial Sensitivities - Revised LPRM calibration method and updated.
5-31-80	X	1	PT 50.12 - Measurement of In-Sequence Critical Data - Revised the acceptance criteria and updated.
5-31-80	II	4	SD-1 - Nuclear Boiler System - Revised to change the format and update.
5-31-80	II	2	SD-5 - Standby Liquid Control System - Revised to change the format and update.
5-31-80	II	2	SD-8 - CRD Hydraulic System - Revised to change the format and update.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
5-31-80	II	2	SD-10 - Standby Gas Treatment System - Revised to change the format and update.
5-31-80	II	5	SD-20 - Automatic Depressurization and Safety/Relief Valve System - Revised to change the format and update.
5-31-80	II	3	SD-25 - Main Steam System - Revised to change the format and update.
5-31-80	II	1	SD-38 - Fuel Oil System - Revised to change the format and update.
5-31-80	II	1	SD-39 - Emergency Diesel Generator System - Revised to change the format and update.
5-31-80	II	2	SD-51 - DC Electrical System - Revised to change the format and update.
5-31-80	II	1	SD-52 - 120 VAC Electrical System - Revised to change the format and update.
6-2-80	N/A	1	SP-80-13 - Ultrasonic Examination of Jet Pump Restrainer Beams - Incorporates the latest General Electric procedure revisions. This procedure TP-508.0654, rev. C.
6-3-80	X	0	PT 90.1 - Core Spray Visual Inspection - Original issue.
6-3-80	X	0	PT 12.1.2A - Diesel Generator Actual Loading Test - Original issue. Separates sections of the old PT 12.1.2 to allow diesel generator ECCS testing concurrent with the unit shutdown.
6-4-80	VI	0	OWP-5/5 - Local Leak Rate Test on SLC - Original issue.
6-4-80	VII	1	OWP-16/3 - RCIC Relief Valve F017 Repair/Replace - Revised to allow work on the valve.
6-4-80	VII	6	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Updated OWP index.
6-4-80	III	4	OP-27-1 - Generator Hydrogen Seal Oil System - Deleted valves which were removed.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
6-5-80	XII	0	MI-16-526A - Darling Valve Repair (B32-F032A&B) - Original issue.
6-7-80	N/A	1	SP-77-31 - Special Fuel Handling Procedure - Updated the procedure to gather data on radiation in the Unit No. 1 drywell while moving a fuel bundle in the reactor.
6-11-80	VIII	1	RC&T-0215 - Unrestricted Release of Materials - To spell out the means for monitoring plant materials.
6-11-80	I, Book 2	16	AI-6 - Plant Filing Instructions - Added more information and filing numbers.
6-11-80	I, Book 2	0	AI-15 - NRC Licensee Pay - Original issue.
6-13-80	XII	0	MI-10-518A - Shop Machinery Surface Lubrication - Original issue.
6-13-80	X	2	PT 20.5 - Integrated Primary Containment Leak Rate Test (IPCLRT) - Revised to update.
6-16-80	I, Book 2	3	AI-39 - BSEP Program for Compliance to 10CFR.21 - Revised the sequence of steps.
6-16-80	XI, Book 1	10	QAP-2 - On-Site QA Surveillance - Revised to include the General Manager in the approval of extensions on QA Surveillance Reports.
6-16-80	XX	5	ENP-7 - Licensee Event Reports (LERs) - Revised to add provisions for 10CFR21 review and updated.
6-16-80	X	2	PT 20.6 - Drywell to Torus Leak Rate Test (DTLRT) - Revised to ensure the actuation of low pressure ECCS Systems on high drywell pressure does not occur while restoring the valve lineup.
6-16-80	X	1	PT 35.15 - Fire Protection Fire Pump Flow Test - Revised to add step sign-offs.
6-16-80	X	6	PT 14.2.1 - Single Rod Scram Insertion Times Test - Revised to have the Project Engineer review the completed procedure.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOLUME	REV. NO.	NUMBER AND TITLE/CHANGE
6-16-80	X	13	PT 1.11 - Core Performance Parameter Check - Revised to have the Project Engineer review the completed procedure. Added a statement that the Shift Foreman must sign his initials.
6-16-80	X	3	PR 1.9D - TIP System Calibration - Revised to have the Project Engineer review the completed procedure.
6-16-80	X	2	PT 1.9E - Axial Alignment of Traversing Incore Probes - Revised to have the Project Engineer review the completed procedure.
6-16-80	X	1	PT 1.6.3 - RWM Sequence Verification - Revised to have the Project Engineer review the completed procedure.
6-16-80	X	4	PT 1.8 - Appendix D, Core Thermal Power Calculation - Revised to have the Project Engineer review the completed procedure.
6-16-80	X	0	PT 90.2 - Friction Testing of Control Rods - Original issue.
6-18-80	XII	3	MP-9 - Dryer/Separator Installation and Removal - Revised to add information to ensure coordination with the refueling floor for use of the cattle chute and to ensure cleanliness of the reactor head flange.
6-18-80	X	5	PT 45.1.7 - Turbine Control Valve Fast Closure Response Time - Clarified the logic channels to be tested.
6-20-80	I Book 3	1	TI-104 - Related Technical Training and On-The-Job Training for Auxiliary Operators - Revised to give better definition of area previously called "General."
6-20-80	NA	2	SP-79-37 - Safety-Related Drywell Equipment Termination Solution and Inspection - Revised to resolve the unqualified electrical terminal lug problem.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
6-20-80	NA	0	SP-80-20 - Drywell IE Valves Electrical Termination Solution and Inspection - Original issue. This procedure will resolve the unqualified electrical terminal lug problem.
6-20-80	XX	0	ENP-13 - Control Rod Sequence Exchange - Original issue. Replaces special procedure SP-77-7.
6-20-80	XII	6	MP-8 - Reactor Drywell Head Installation and Removal - Revised to provide technical information and to update.
6-20-80	XII	6	MP-7 - Reactor Pressure Vessel Head Installation and Removal - Added technical information and drawings.
6-20-80	VIII	1	RC&T-0130- Airborne Radioactivity Analysis of Service Air for Breathing Purposes - Revised to include sampling requirements for instrument air which was a concern of IE Bulletin 80-10.
6-20-80	VIII	2	RC&T-1000- Sampling and Analysis Schedule for Radioactive and Nonradioactive Chemistry - Revised to provide air sampling of the swamp coolers and sampling of demineralized water.
6-20-80	VIII	0	RC&T-3290- Storm Drain Stabilization Pond Control Original issue.
6-20-80	VIII	0	RC&T-0520- Temporary Storage of Low Level Radioactive Waste Outside the Protected Area - Original issue.
6-20-80	VIII	4	RC&T-0216- Control and Monitoring of Nonradioactive Plant Waste and Scrap - Revised to clearly define the required limits for the disposal of noncontaminated waste and scrap.
6-20-80	XII	2	MI-16-510- CRD Maintenance Instruction - Revised to allow the substitution of CP&L approved procedures from qualified contractors to be substituted for QAP-5 and QAP-7.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
6-24-80	XII	1	MI-16-590 - HPCI Turbine Stop Valve Hydraulic Cylinder - Changed material of piston O-ring in conformance with GE recommendation.
6-24-80	NA	0	SP-80-21 - Temporary Installation/Repair of Main Steam Penetration Seals - Provides a temporary vendor-approved method of repairing the boot seals on the main steam line penetrations.
6-24-80	III	24	OP-2 - Reactor Recirculation System - Revised to allow the opening of the suction and discharge valves to fill the pump and piping.
6-25-80	I Book 2	0	AI-17 - Plant Housekeeping - Initial issue.
6-25-80	X	7	PT 19.6.1- Safety-Related Snubber Functional Testing - Added information and updated.
6-25-80	X	1	MI-16-538- Hydraulic Shock and Sway Arrestors - Added precautions, information and updated.
6-25-80	X	0	MI-10-517A- HPCI Turbine Stop Valve Leak Check - Initial issue.
6-25-80	XII	0	MI-16-594 - 20" Technocheck Service Water Valves Initial issue.
6-25-80	XII	2	MP-12 - General Cleanness Procedure - Revised to comply with ANSI N18.7 and to define responsibilities.
6-25-80	II	3	SD-17 - Residual Heat Removal System - Updated and revised the format.
6-25-80	II	1	SD-24 - Containment Atmospheric Control System - Updated and revised the format.
6-25-80	II	1	SD-50.1 - Diesel Generator Emergency Power System - Updated and revised the format.
6-25-80	X	18	PT 9.2 - HPCI System Component Test - Updated procedure to latest ASME Section XI requirements and established valve stroke time base line data.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
6-25-80	X	11	PT 8.2.2 - LPCI/RHR -- Updated to latest ASME Section XI requirements and established valve stroke time base line data.
6-25-80	X	0	PT 19.6.0.2-1- Visual Inspection of Accessible Snubbers on Safety-Related Systems- Initial issue.
6-25-80	X	5	PT 19.6.0.2- Visual Inspection of Accessible Snubbers on Safety-Related Systems - Deleted entire PT.
6-25-80	XII	4	MP-4 - Maintenance Procedure - Added direction to personnel for handling of Q-list parts.
6-25-80	XII	10	MP-27- Handling the IF-300 Cask - Added accident guidelines.
6-25-80	X	1	PT 78- Process Radiation Monitors - To make the test consistent with the best available technology.
6-25-80	X	1	PT 71- Process Radiation Monitors - To make the test consistent with the best available technology.
6-25-80	VIII	0	RC&T-0060- Contract Health Physics Technician Orientation - Orients technicians in RC&T practices, procedures and instrumentation.
6-25-80	X	3	PT 2.1.20- Primary Containment Isolation System, Group I Logic System Functional Test - Revised per Plant Mods 79-275 and -276.
6-25-80	XII	1	MI-25- Index - Revised to comply with MP-25.
6-25-80	X	0	PT 19.6.0.1-2- Unit No. 2 Visual Inspection of Inaccessible Snubbers on Safety-Related Systems - Initial issue.
6-25-80	X	0	PT 19.6.0.1-1- Unit No. 1 Visual Inspection of Inaccessible Snubbers on Safety-Related Systems - Initial issue.
6-25-80	X	6	PT 19.6.0.1- Visual Inspection of Inaccessible Snubbers on Safety-Related Systems - Deleted this procedure.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
6-25-80	VIII	0	RC&T-0355 Calibration of the DCA Area Alarm Radiation Monitor - Initial issue.
5-25-80	VIII	1	RC&T-2203- Calibration and Operation of Particulate Counters - Increased the counting time.
6-25-80	XII	6	MI-1-22- Gould Brush Recorder Mark 260 - Revised to comply with the Corporate QA Manual and regulatory requirements
6-25-80	XII	8	MI-10- Index - Updated the index.
6-25-80	XII	2	MI-3-20E- Moore Flow Computer Loop Calibration Procedure updated.
6-25-80	XII	0	MI-3-1A11- Intake Canal Level Transmitter - Initial issue.
6-25-80	XII	0	MI-16-6- Removal and Reconnection of Exciter House Electrical Connections - Initial issue.
6-25-80	XII	0	MI-1-37D- Calibration of Daniels HX3 and HX4 Open Frame Crimping Tool - Initial issue.
6-25-80	XII	0	MI-3-3B8- E21-FIS-N006A&B Pump Outlet Flow - Initial issue.
6-25-80	X	2	PT 45.3.4- ECCS HPCI Initiation Responst Time - Revised to provide a means to time the valve opening.
6-25-80	X	14	PT 2.1.3P- HPCI Isolation Instrumentation, Steam Leak Detection System - Revised to ensure the CST suction valve is closed.
6-25-80	III	6	OP-22- Rod Sequence Control System - Revised the electrical lineups.
6-25-80	VI	2	EI-11- Jet Pump Failure - Revised in accordance with 1F Bulletin 80-07.
6-25-80	X	0	PT 19.6.0.2-2 Visual Inspection of Accessible Snubbers on Safety-Related Systems - Initial issue.
6-26-80	XI Book 1	0	QAP-23- In-Service Inspection: A new procedure to describe QA functions relative to plant in-service inspection.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
6-27-80	XII	1	MI-16-575- ITT Grinnell Test Rig for Snubbers, Model 5434-3 - Corrected a typographical error. Changed 12 inches per second to 12 inches per minute.
6-27-80	X	5	PT 14.5.2- Reactivity Abnomalies - Revised to provide a more accurate check of reactivity and to comply with administrative instructions on engineering PT's.
6-27-80	VIII	2	RC&T-0510- Shipment of Radioactive Material - Revised the torque values for different gaskets.
6-28-80	X	0	PT 12.7.1- Miscellaneous Equipment ECCS Signal Functional Test, Unit No. 1 - Revised to test Unit No. 1 RBCCW pump trip and no restart on a LOCA signal.
6-28-80	X	0	PT 12.7.2- Miscellaneous Equipment ECCS Signal Functional Test, Unit No. 2 - Revised to test Unit No. 2 RBCCW pump trips and no restart on a LOCA signal.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-1-80	XIX	0	FP-15 - Fire Protection Procedure - Initial issue.
7-1-80	IV	56	GP-1 - General Plant Operating Procedure - Added new pull sheets and updated.
7-1-80	III	25	OP-24 - Containment Atmospheric Control System - Incorporated Plant Mods 78-003 and -261.
7-1-80	XVI	3	A-5, 1-2 - Unit No. 2, CRD Hydraulic Temperature High - Corrected temperature setpoints.
7-1-80	VII	2	OI-4 - LCO Evaluation and Follow-Up - Revised to provide instructions for LCOs that require special reports.
7-1-80	X	6	PT 40.2.6 - Turbine Overspeed Trip Test - Added computer point E065.
7-1-80	III	7	OP-44 - Turbine Building Closed Cooling System - Corrected typos.
7-1-80	XVI	2	A-5, 1-2 - CRD Hydraulic Temperature High, Unit No. 1 - Corrected temperature setpoints.
7-1-80	III	6	OP-5 - Standby Liquid Control System - Revised low temperature setpoints per Plant Mod 78-163.
7-1-80	III	26	OP-17 - Residual Heat Removal System (RHR) - Revised setpoints for containment spray auto stop per Plant Mod 77-313.
7-1-80	III	16	OP-16 - RCIC System - Revised statement on auto restart after trip.
7-1-80	III	8	OP-39 - Diesel Generator - Revised per Plant Mod 77-64 to add valves.
7-1-80	II	6	SD-3 - Reactor Protection System - Updated and revised the format.
7-1-80	II	2	SD-7 - Reactor Manual Control System - Updated and revised the format.
7-1-80	II	1	SD-43 - Service Water System - Updated and revised the format.
7-3-80	X	5	PT-1.1.13P - High Steam Line Radiation Channel Alignment and Functional Test - Revised to provide for more accurate adjustment of the zero check and data recording.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-3-80	X	3	PT 56.5PC - Post Accident Reactor Pressure Instrumentation Loop Calibration - Added instrument to loop calibration and jumpers to minimize scrams.
7-3-80	XII	0	MI-10-7B - Infihetics, Inc. Metal Detector Type 43, Model B - Initial issue to comply with Regulatory Guide 5.44.
7-3-80	XII	0	MI-16-14 - Procedure for Lifting Dome on Circulating Water Pump - Initial issue.
7-3-80	XII	0	MI-3-21B - Reactor Pressure Transmitter C32-PT-N009 (A through D) - Initial issue.
7-3-80	XII	3	MI-3-1AK1 - HPCI and RCIC Flow Transmitter GE Type 555 - Revised to comply with MP-3.
7-3-80	XII	0	MI-3-21A - Reactor Pressure Transmitter C32-PT-N005 (A&B) - Initial issue.
7-3-80	XII	0	MI-3-1BX3 - CAC-LT-3342 Rosemount Model 1152 - Initial issue.
7-3-80	XII	0	MI-3-21E - PHCI Pressure Transmitter E41-PT-N009 and - N013 - Initial issue.
7-3-80	XII	0	MI-3-21C - Reactor Pressure Transmitter C32-PT-N008 - Initial issue.
7-3-80	XII	0	MI-1-44 - FLuke Model 8600A Digital Multimeter - Initial issue.
7-3-80	X	0	PT 3.2.1PC - Reactor High Pressure Trip Channel Functional and Calibration Test - Initial issue.
7-3-80	X	0	PT 1.1.4PC- Reactor Low Water Level No. 1 Channel Calibration and Functional Test - Initial issue.
7-3-80	X	23	PT 1.1.12P - High Steam Line Radiation Channel Functional Test - Revised to clarify GE technical rep's recommendations.
7-3-80	X	0	PT 56.7PC - Remote Shutdown Torus Level Loop Calibration - Initial issue.
7-3-80	X	0	PT 1.1.4PC-2 - Reactor Low Water Level No. 1 Channel Calibration and Functional Test - Initial issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-3-80	X	0	PT 1.1.4P-2 - RPS, Reactor Low Water Level No. 1 Channel Functional Test, Unit No. 2- Initial issue.
7-3-80	X	0	PT 1.1.4P-1 - RPS, Reactor Low Water Level No. 1 Channel Functional Test, Unit No. 1 Initial issue.
7-3-80	X	3	PT 45.3.2 - Emergency Core Cooling System (ECCS) - Revised instrument setpoint per Plant Mod 79-216.
7-3-80	X	13	PT 2.2.1 - Primary Containment Isolation System - Revised to add requirements for testing the scram discharge vent and drain valves.
7-3-80	III	26	OP-24 - Containment Atmospheric Control System - Revised the procedure due to plant modifications.
7-3-80	III	11	OP-1 - Nuclear Boiler System - Revised due to valve relocations and updated the procedure.
7-3-80	NA	7	SP-79-6 - Southwest Research Institute Nondestructive Testing Procedure - Revised per the latest code addenda.
7-3-80	X	1	PT 80.0 - Reactor Pressure Vessel Operational Leak Check - Updated the procedure.
7-4-80	X	5	PT 31.3 - Noninterruptible Instrument Air System Test - Revised to test for separate operability of Divisions I and II.
7-4-80	X	0	SP-80-25 - NDE P601 "NDE Visual Inspection of Welds" - Reviewed to meet visual inspection requirements for reactor hydro test procedure for Section VI ISI hydro.
7-7-80	NA	0	SP-80-2? - Discharge Volume Obstruction Testing - Original issue.
7-8-80	X	0	PT 1.4 - Control Rod Drive System Scram Discharge Volume Subsystem - Initial issue.
7-8-80	III	0	OI-12 - Scram Discharge Volume Vent and Drain Valve Reportability Requirements - Initial issue.
7-8-80	VI	12	EI-1.2 - Rupture Inside Drywell - Revised to implement Plant Mods 79-126 and -127.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-10-80	XII	5	MP-6 - Operation and Use of Cranes/Inspection of Slings - Revised to incorporate the crane operator certification and the procedure for the operation of the Reactor Building crane of the loss of power.
7-11-80	X	0	PT 35.5.1 - Fire Extinguisher Inspection to more closely adhere to the national fire codes.
7-11-80	III	9	OP-9.1 - Traversing In-Core Probe (TIP) System - Revised to correct the Unit No. 1 electrical lineup.
7-11-80	III	7	OP-36 - MSR and MSR Drains - Revised valve positions to closed.
7-11-80	VII	1	OI-8 - Drywell Closeout and Inspection - Revised to remove the fire extinguisher.
7-11-80	IV	1	OG-3 - Primary Containment Access Control - Revised to ensure fire extinguishers are in place for all hot work.
7-11-80	XIX	1	FP-3 - Reporting Deficiencies - Designated responsibilities during a fire protection system impairment.
7-11-80	X	0	PT 35.12.8 - MWT Building Sprinkler System - Original issue.
7-11-80	X	2	PT 48.1 - Public Address Page System - Revised to implement Plant Mod. 80-059
7-11-80	XIX	3	FP-8 - Fire Barrier Penetration Seal Work Control - Implemented new Tech. Specs. and updated.
7-11-80	X	0	PT 35.12.9 - Service Water Intake Building Sprinkler Systems - Original issue.
7-13-80	X	1	PT 1.4 - Control Rod Drive System Discharge Volume Subsystem - Added signature blocks for the procedure steps, and added requirement to lock close drain valve F103.
7-13-80	VI	14	EI-31 - Reactor Scram - Added steps to take if two or more adjacent rods, or 30 or more rods do not fully insert on a scram, in accordance with IEB 80-17.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-13-80	-	0	Special Procedure 80-22 - Scram Discharge Volume Scram Testing - Special procedure to obtain data on scram discharge volume pressurization and drain times, in accordance with IEB 80-17.
7-13-80	-	0	Special Procedure 80-24 - Measuring Rod Scram Insertion Times During Reactor Scram - Special procedure for measuring the scram timing of several rods, both individually and collectively, in accordance with IEB 80-17.
7-13-80	VI	1	EI-49 - Anticipated Transients Without Scram - Adds steps to verify all control rods fully inserted and flux rate decreasing. Also adds reference to other applicable EIs, and requirement to initiate all available torus cooling, if required. All in accordance with IEB 80-17.
7-13-80	VI	3	EI-2 - Loss of Control Rod Shutdown Capability - Adds manual actions to be taken in case all or part of control rods fail to fully insert, per concerns of IEB 80-17.
7-13-80	VI	6	EI-5.1 - Loss of Primary Containment (Normal Operation) - Add requirement to initiate <u>all</u> available torus cooling, if required, per concerns of IEB 80-17.
7-13-80	VII	1	OI-12 - Scram Discharge Volume Vent and Drain and Main Steam Bypass Valve Reportability Requirements - Adds requirements for reportability of any degraded conditions of main steam bypass valves, per IEB 80-17.
7-13-80	VII	3	OI-4 - LCO Evaluation and Followup - Add prompt notification to NRC of any less than fully operable conditions on HPCI, RCIC, SLC, ATWS-RPT, and RHR torus cooling systems, in accordance with IEB-80-17.
7-13-80	XII	0	DI-16-602 - Repair of 4"-900# Blank Flange on the Reactor Recirc. Line.
7-15-80	X	0	PT 35.16.1 - Barrier Penetration Seals - Reactor Building 1. A new PT developed to meet Tech. Spec. 4.7.8 and reflect "as-built" penetrations.
7-15-80	XIX	0	FP-14 - Weekly Fire Inspections - To ensure fire and safety inspections of plant areas.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE CHANGE
7-17-80	XVIII	0	PN-21 - Leak Problem Reports - To identify to supervisors leaks that have a significant impact on the plant. Original issue.
7-21-80	X	4	PT 50.5 - Total Core Flow Calibration - Revised for clarification.
7-21-80	X	2	PT 35.14 - Inspection of Self-Contained Breathing Apparatus - Revised to hydrostatically test the cylinders.
7-21-80	XIX	2	FP-9 - Pre-Fire Plans - Updated the procedure.
7-22-80	IV	57	GP-1 - General Plant Operating Procedure - Revised the rod sequence checkoff sheets for Unit Nos. 1 and 2.
7-23-80	I Book 2	17	AI-6 - Plant Filing Instructions - Revised to incorporate additional file points and cross references.
7-23-80	I Book 2	15	AI-2 - Collection, Maintenance, Control and Storage of Plant Records - Revised to incorporate procedures for handling aperature cards and for storage and distribution of plant modifications.
7-23-80	XVI	1	A-5, 2-2 - Annunciator Procedures, Unit Nos. 1 and 2, Rod Out Block - Added actions required if the alarms result from the scram discharge instrument volume.
7-23-80	XVI	1	A-5, 2-5 - Annunciator Procedures, Unit Nos. 1 and 2, Scram Discharge Volume Not Drained - Added actions required to verify vent and drain valve operability and to verify the scram discharge volume is drained.
7-23-80	III	15	OP-43 - Service Water System - Added the capability to use all suppression pool cooling above 95°F in the suppression pool.
7-23-80	III	27	OP-17 - Residual Heat Removal System (RHR) - Added the capability to use all suppression pool cooling above 95°F in the suppression pool.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-24-80	I, Book 3	5	TI-200 - Brunswick Plant Operator Retraining Program - Incorporated the latest NRC requirements.
7-24-80	I, Book 3	3	TI-201 - Brunswick Plant Reactor Operator Replacement Training Program - Incorporated the latest NRC requirements.
7-24-80	I, Book 3	1	TI-202 - Replacement Training for Senior Licensed Operating Personnel - Incorporated the latest NRC requirements.
7-24-80	X	3	PT 25.1 - Nuclear Steam Supply - Supplied the baseline data for valve timing.
7-24-80	VII.	7	OI-10 - Operations Work Procedures (OWP) Preparation and Execution - Added OWP 39/15 and 7/12.
7-24-80	III	25	OP-2 - Reactor Recirculation System - Revised to minimize chances of overpressurization of pump seals.
7-24-80	X	13	PT 8.1.3 - LPCI/RHR System Component Test - Revised to calibrate the suction and discharge gages.
7-24-80	III	17	OP-32 - Condensate and Feedwater - Updated valve and component numbers.
7-24-80	III	5	OP-48 - Communications System - Revised panel number.
7-24-80	VII	5	OI-3 - Periodic Testing and Daily Surveillance Report - Revised to schedule PT 1.4.
7-24-80	XIX	2	FP-1 - Plant Fire Brigade - Updated and scheduled drills.
7-24-80	X	1	PT 35.12.2 - Diesel Generator Building Sprinkler Systems - Updated due to system changes.
7-24-80	VII	0	OWP-39/15 - Inspection and Cleaning of # _____ Diesel Generator - Original issue.
7-24-80	VIII	0	RC&T-0140 - Operation of Air Sampling Equipment - Original issue.
7-24-80	VIII	1	RC&T-0260 - Initial Entry into Area where Radiological Hazards are Unknown - Revised to make consistent with current practices.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-24-80	VIII	1	RC&T-0355 - Calibration of the DCA Area Alarm Radiation Monitor - Clarified filing requirements.
7-24-80	X	1	PT 79 - Process Radiation Monitors - Updated the procedure.
7-24-80	X	1	PT 1.3.1PC - Reactor Protection System - Revised to correct termination points.
7-24-80	VIII	1	RC&T-3210 - Chlorine Sampling Instructions - Revised the collection and analysis frequency.
7-24-80	VIII	5	RC&T-0216 - Control and Monitoring of Nonradioactive Plant Waste and Scrap - Revised the monitoring instrument used.
7-24-80	VIII	3	RC&T-0510 - Shipment of Radioactive Material - Revised to add the Chem-Nuclear cask.
7-31-80	X	14	PT 1.11 - Core Performance Parameter Check - Revised due to changes in fuel length which resulted in changes in peaking factors.
7-31-80	VII	0	OWP-7/12 - CRD Mechanical Removal with Fuel in the Vessel (not uncoupled). Original issue.
7-31-80	X	3	PT 1.1.2PC - Reactor Protection Instrument Test - Revised to verify the process computer receipt and printout of alarms.
7-31-80	X	0	PT 90.3 - Control Rod Exposure Data - Original issue.
7-31-80	X	12	PT 1.6.2 - Rod Worth Minimizer System - Revised pull sheet group numbers due to a GP-1 revision.
7-31-80	VI	4	EI-2 - Loss of Control Rod Shutdown Capability - Add information to locate the SLC injection switch key.
7-31-80	I	38	Administrative Procedures - Revised to add information required by IE Bulletin 80-15.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
7-25-80	XII	2	MI-10-2J - Equalizing Plant Batteries - Revised to comply with ANSI 18.7 and to incorporate steps on sensing the equalizer charge.
7-25-80	X	3	PT 15.4A - Secondary Containment Integrity - Revised the method of timing valves.
7-29-80	NA	2	SP-80-24 - Measuring Rod Scram Insertion Times During Reactor Scram - Updated the procedure and added new test points.
7-29-80	NA	1	SP-80-22 - Scram Discharge Volume Scram Testing - Updated and added a calibration procedure.
7-29-80	NA	2	SP-80-22 - Scram Discharge Volume Scram Testing - Added a recorder as a backup to the process computer on certain data points.
7-29-80	XVII	6	Industrial Security Plan- Updated the plan to the latest security modifications and revisions.
7-29-80	NA	0	SP-80-26 - Scram Discharge Volume Obstruction Testing - Original issue.
7-29-80	X	3	PT 1.4 - Control Rod Drive System Scram Discharge Volume Subsystem - Added steps for draining SDV water.
7-29-80	XVI	1	UA-28, 4-8 - AOG System Instrument Air Pressure Low - Revised to restore the system to normal after instrument air is restored.
7-29-80	X	9	PT 46.1 - Locked Valves - Added SDV Drain valve to be locked in the neutral position.
7-30-80	NA	1	SP-79-27 - Inspection Procedure for Seismic Supports - Revision was to reactivate the procedure since the expiration date has passed.

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8-4-80	NA	2	SP-79-27 - Inspection Procedure for Seismic Supports - Substituted a marked-up drawing with details and data for a data sheet.
8-4-80	X	0	PT 35.18.1 - Roll-Up Fire Doors - Original issue.
8-4-80	X	1	PT 35.18 - Roll-Up Fire Doors - Deleted the procedure. Replaced by PT 35.18.1.
8-4-80	X	0	PT 35.16.2 - Fire Barrier Penetration Seals Reactor Building - Original issue.
8-4-80	X	0	PT 35.16.3 - Fire Barrier Penetration Seals Service Water Intake Structure - Original Issue
8-4-80	X	0	PT 35.5.2 - Fire Extinguisher Inspection and Maintenance - Original issue.
8-4-80	X	0	PT 35.16.4 - Fire Barrier Penetration Seals Control Building (El.23'-0") - Original issue.
8-7-80	-	0	SP-80-27 - Trip Logic Test of the Emergency Bus Master and Slave Breaker from the Emergency Bus - Initial issue.
8-8-80	VIII	12	Radiation Control and Protection - Revised to allow BSEP supervisory personnel to use the seven-day standing RWP.
8-9-80	X	2	PT 7.1.7PC - Core Spray - Corrected step designations.
8-9-80	X	6	PT 10.1.2 - RCIC Simulated Automatic Actuation and Logic Functional Test - Changed HPCI to RCIC.
8-9-80	I, Book 4	4	SK-3 - Storage - Added a procedure for deleting obsolete items from stock.
8-9-80	I, Book 2	1	AI-17 - Plant House-keeping - Added a section to explain the coordinating of excess, scrap or surplus materials and a note not to use polyethylene for covering contaminated materials stored outside.
8-9-80	XII	1	MI-3-1Y1 - Differential Pressure Transmitter Model 1912.- Revised to comply with CQA and NRC requirements.

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8-9-80	XII	0	MI-3-1A6 - ITT Barton, Model 368 - Revised to comply with CQA and NRC requirements.
8-9-80	XII	0	MI-3-1AK6 - GE Type 555 Transmitter - Revised to comply with ANSI N18.7 format.
8-9-80	XII	1	MI-10-6N - Functional Test of C11-SV-F009 (A&B) and C12-SV-F009 (A&B) - Revised to comply with ANSI N18.7 format.
8-9-80	XII	0	MI-10-7E - RSC Air Conditioning Unit - Revised to comply with NRC requirements on the security system.
8-9-80	XII	2	MI-3-3B4 - E51-DPIS-N017 and N018 - Revised to comply with ANSI N18.7 format.
8-9-80	XII	0	MI-3-21F - Turbine Steam Exhaust Pressure E41-PT-N016 - Revised to comply with ANSI N18.7 format.
8-9-80	XII	0	MI-3-21D - Reactor Core Isolation Cooling E51-PT-N007 - Initial issue.
8-9-80	XII	0	MI-3-1A8 - ITT Barton Transmitter Model 368 - Initial issue.
8-9-80	XII	0	MI-3-1A7 - C32-FT-N003 (A-D) ITT Barton, Model 368 - Initial issue.
8-9-80	XII	0	MI-3-2K2A - CDD-CIT-1 and CFD-CIT-1 L&N Model 7070-77 Conductivity Monitors - Initial issue.
8-9-80	XII	0	MI-3-22C - C32-LT-N004A, B&C - Initial issue.
8-9-80	XII	0	MI-3-2A4 - B21-PI-R004 A&B - Initial issue.
8-9-80	XII	5	MI-3-1I - CAC-LT-2601 and -2602 - Revised to update and to satisfy CQA and NRC requirements.
8-9-80	X	5	PT 3.1.11PC - ECCS - Suppression Chamber High Water Level Channel Calibration and Functional Test - Added instrument location to save time.
8-9-80	X	3	PT 3.2.- Recirculation Pump Trip Logic Functional Test - Added figures, corrected relay designations and updated.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
8-9-80	X	5	PT 45.2.16 - RWCU High Flow Response Time - Deleted step already performed earlier in the procedure.
8-9-80	X	3	PT 45.2.15 - PCIS (Group 1) Condenser Vacuum-Low Response Time - Corrected jack numbering.
8-9-80	X	16	PT 3.1.11P - ECCS - Suppression Chamber High Water Level Channel Functional Test - Provided instrument location to save time.
8-9-80	X	6	PT 1.1.13P - High Stream Line Radiation Channel Alignment and Functional Test - Revised to ensure the mode switch is returned to "operate."
8-9-80	X	3	PT 45.2.9 - PCIS (Group 1 Logic) High Stream Line Radiation Response Time - Revised to change a switch designation.
8-9-80	X	1	PT 56.3PC - CAC Torus/Drywell Temperature Monitoring Instrumentation Calibration and Functional Test - Changed the alarm typer printout designation.
8-9-80	X	6	PT 45.2.10 - PCIS (Group 1 and 3 Logic) Reactor Low Water Level #2 Response Time - Corrected an annunciator location and added the pressure to which ID-100 is to be pressurized.
8-9-80	X	14	PT 3.1.14P - ECCS - Reactor Low Pressure Channel Functional Test - Corrected a cabinet designation.
8-9-80	X	1	PT 2.3.5 - Air-Operated Torus - Reactor Building Vacuum Breakers - Revised to specify the negative polarity of the setpoint reading.
8-14-80	I, Book 2	1	AI-18 - On-Site Landfill Trash Disposal - Revised to monitor trash received from the construction area outside the protected area.
8-15-80	XII	0	MI-16-597 - W00# 70-27-1 DRT, WKM Diaphragm Control Valve - Initial issue of new instruction.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
8-19-80	I, Book 2	4	AI-9.1 - Identifying and Implementing Required Changes to Technical Specifications - Revised to clarify reviews of Tech Specs.
8-25-80	VIII	2	RC&T Procedure 0200 - Personnel Exposure Control to Ionizing Radiation - Form change regarding 10CFR20 documentation requirements.
8-25-80	XI	1	QAP-21 - Radwaste Shipments - Inclusion of QC representative sign-off for each inspection point.
8-25-80	IV	58	GP-1 - General Plant Operating Procedure - Corrected typos.
8-25-80	X	7	PT 35.1 - Fire Protection System - Revised to clarify the normal position of valves and how the valves are secured.
8-25-80	VI	15	EI-31 - Reactor Scram - Revised to ensure PT 1.4 is performed after a scram.
8-25-80	III	13	OP-29 - Circulating Water System - Revised valve numbers due to a plant modification.
8-25-80	VIII	2	RC&T-0211 - Use and Wearing of Protective Clothing - Revised to standardize the wearing of protective clothing.
8-25-80	VIII	2	RC&T-0110 - Monitoring Personnel for Contamination - Revised to make frisker background and alarm settings consistent with current practices.
8-26-80	X	10	PT 1.1.7PC - APRM - Fixed and Flow Biased (Thermal) Neutron Trips Channel Calibration - Revised to provide checking of A. C. ripple of power supplies and to update the procedure.
8-26-80	X	2	PT 1.5.2PC - RPS and Control Rod Blocks - Revised to provide checking of A. C. ripple of power supplies and updated.
8-26-80	X	11	PT 1.1.2P - Reactor Protection Instrument Test - Revised to change frequency of performance and to include alarm and rod block.
8-26-80	X	10	PT 8.1.2 - LPCI Simulated Automatic Actuation and Logic Functional Test - Corrected cabinet designation.

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8-26-80	X	1	PT 1.1.4P-2 - Reactor Low Water Level No. 1 Channel Functional Test - Added the initial sign-off spaces for channel A&C instruments.
8-26-80	XII	6	MP-4 - Maintenance Procedure - Identifies the plant environmental qualification maintenance practices.
8-26-80	XII	0	MI-3-1BY3 - E21-PT-N001A and N001B GE Model 551 - Issued to comply with ANSI N18.7 format.
8-26-80	XII	3	MI-16-510 - Control Rod Drive Maintenance - Deleted use of acetone and ensured protective sleeves added to LPRM's before doing CRD work.
8-26-80	XII	0	MI-16-595 - Installation of the Drywell Equipment Hatch Cover - Original issue.
8-26-80	XII	0	MI-10-520A - Main Steam Line Secondary Containment Penetration Seals - Original issue.
8-26-80	XII	0	MI-16-516A - Tufline Nuclear Valves, Size 1/2" and 3/4" - Original issue.
8-26-80	XII	1	MI-16-602 - Repair of 4" 900# Blind Flange on Reactor Recirculation Line - Revised to comply with MP-16.
8-26-80	XII	0	MI-16-503D - 6" -150# Anchor Globe Valves - Original issue.
8-26-80	XII	2	MI-10-508B - Overhead & Gantry Crane Annual Inspection - Revised to comply with MP-10 and to add equipment to the procedure.
8-26-80	XII	0	MI-16-604 - Kieley/Mueller Diaphragm Control Valve Actuators with Side Mounted Handjack, Type 36 and 37 - Original issue.
8-26-80	XII	1	MI-10-513C - Cleaning/Lubrication of MSIV Guide Rods - Deleted the use of acetone for cleaning.
8-26-80	I, Book 4	1	SK-7 - Shipping - Added a contamination survey number to the packing slip.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
8-26-80	I, Book 5	5	SK-1 - Material Requisition and Reorder Procedures and Responsibilities - Added new titles and approvals.
8-26-80	XII	2	MI-16-506 - Standby Liquid Control Explosive Valves - Deleted the use of acetone and revised the data sheet to provide additional data.
8-26-80	XII	1	MI-16-585 - Velan Gate Valves -2" and Smaller - Deleted acetone and revised the data sheet.
8-26-80	XII	1	MI-16-586 - Velan Globe Valves, 2" and Smaller - Deleted acetone and revised the data sheet.
8-26-80	XII	2	MI-16-526 - Darling Valve Repair (B32-F031A&B) - Deleted acetone and updated the procedure.
8-26-80	XII	1	MI-16-549 - Split Body Valves - Deleted use of acetone and revised the data sheet.
8-26-80	XII	2	MI-10-500A - Lubrication Change Schedule - Updated the procedure.
8-26-80	I	38	Operating Manual - Revised to add the mechanical laydown areas.
8-26-80	XII	1	MI-16-552 - Feed Gas Compressor 1251-C - Revised to update instruction.
8-26-80	XII	0	MI-16-503E - 20" 150# Anchor Check Valves E41-F049 and Others - Original issue.
8-26-80	XII	2	MI-10-501 - Filters and Strainers - Revised to document the periodic checking and changing of portable air compressor air filters.
8-26-80	XII	0	MI-16-603 - Fisher Control Valves, Design ED, EAD, ET and EAT - Original issue.
8-26-80	XII	4	MI-16-502 - CRD Hydraulic Pump Suction Filter Replacement - Added torque wrench to the equipment list, added torque value and revised the data sheet.
8-26-80	XII	0	MI-16-601 - Installation of Drywell Top Head Manway Cover - Original issue.

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8-26-80	XII	0	MI-16-596 - Installation of the Drywell Equipment/ Personnel Hatch Cover - Original issue.
8-26-80	XII	0	MI-16-598 - Vacuum Breakers, Model LD-240-192 - Original issue.
8-26-80	XII	6	MP-14 - Corrective Maintenance - Updated the pump and valve program per ASME Section XI.
8-26-80	XII	12	MI-16-528 - Fisher Butterfly Valves - Added the proper steps for installation of a bonded liner.
8-26-80	XII	0	MI-16-503F - 4" 300# Anchor Gate Valves Ell-F040 and Others - Original issue.
8-26-80	XII	0	MI-10-503B - Fire Pump Diesel Engine Annual Inspection - Original issue.
8-26-80	XII	0	MI-3-2K4 - L&N 7075-1 Conductivity Monitor Calibration Instruments Covered; 2 and 1-CO-CIS-3075-2 - Revised to comply with ANSI 18.7 and the CQA Manual.
8-28-80	X	5	PT 41.2 - Inspection of Crane Hooks, Crane Brakes, Ropes, Chains, Slings and Associated Rigging - Revised to include the inspection of slings and rigging equipment.
8-28-80	VIII	4	RC&T 0510 - Shipment of Radioactive Material - Revised to include the inspection of slings and rigging equipment.
8-29-80	IV	59	GP-1 - General Plant Operating Procedure - Deleted PT 2.2.1A requirement.
8-29-80	VII	1	OI-2 - Shift Turnover Checklist - Updated to incorporate OQA 80-2-3 audit comments.
8-29-80	XIX	0	FI-8.1 - Qualification of Personnel for Installation Fire Barrier Penetration Seals/ Stops - Original issue.
8-29-80	XIX	0	FI-8.2 - Fire Barrier Penetration Seal/Stop Installation - Original issue.

OPERATING MANUAL PROCEDURE CHANGES

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
9-5-80	XVII	10	SI-10 - Vehicular Traffic and Parking Control - Deleted the designation of CP&L Construction vehicles on a daily basis for entry into the protected area. Designated construction vehicles must meet the requirements specified in this procedure.
9-5-80	VIII	0	RC&T-1010 - Fuel Oil Sampling - Original issue.
9-5-80	VIII	0	RC&T-1020 - API Gravity - Original issue.
9-5-80	X	3	PT 74 - Drywell Radiation Monitors Channel Calibration - Revised the iodine channel efficiency from $5 \pm 2\%$ to $4 \pm 2\%$.
9-5-80	X	3	PT 73 - Reactor and Turbine Building Roof Vent Radiation Monitors Channel Calibration - Revised the iodine channel efficiency from $5 \pm 2\%$ to $4 \pm 2\%$.
9-11-80	XII	0	MI-31-5 - General Splice Procedure - Original issue to ensure environmental qualification of splices in the drywell are maintained.
9-11-80	X	4	PT 45.2.8 - High Drywell Pressure Response Time - Provided better control of the ramp rate, step designation correction.
9-11-80	X	6	PT 9.1 - HPCI Simulated Automatic Actuation and Logic Functional Test.- Added steps to close two valves.
9-11-80	XII	0	MI-3-3W3 - Allen Bradley Model 8.6 Pressure Switch - Initial issue.
9-11-80	XII	0	MI-3-3W - Allen Bradley 836T-255J - Initial issue.
9-11-80	XII	0	MI-3-2A10 - Mansfield and Green 0-100 Psi Indicator - Initial issue.
9-11-80	XII	1	MI-3-4U3 - GE Recorder Model 520 - Updated the format to ANSI N18.7.
9-11-80	XII	7	MI-10-6B - Miscellaneous Batteries - Updated to ANSI N18.7 format.
9-11-80	XII	1	MI-10-2AD - Backup Scram and Scram Discharge Volume Vent and Drain Test Valves Diaphragm and Gasket Replacement - Updated to ANSI N18.7 format.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
9-11-80	XII	1	MI-3-1BC - ITT Barton Model 760 Level Indicating Trnsmmitter Switch - Updated to ANSI N18.7 format.
9-11-80	XII	6	MI-3-11B - Moore Industries Model DCA/10-50-MA / D-XI-X3-117AC - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-3-2A14 - Ashcroft Pressure Gauge - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-3-2A12 - U. S. Gauge, LO-PI-1712 and -1730 - Initial issue.
9-11-80	XII	1	MI-3-1AF1 - Rochester Millivolt Transmitter Model-SC 306 - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-10-7A - Security Ion-Track Instruments Explosive Monitor - Initial issue.
9-11-80	XII	3	MI-10-1E - Bailey Go-Line and SR Strip Chart Recorders - Updated to ANSI N18.7 format.
9-11-80	XII	3	MI-3-1P3 - Yarway Level Switch Model 4418C - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-3-2L7 - International Instruments Indicator Model 1151 - Initial issue.
9-11-80	XII	0	MI-3-34A - B21-FQ-K601A through D Model No. 563-05 - Initial issue.
9-11-80	X	3	PT 56.6PC - Post Accident Containment Pressure Loop Calibrations - Clarified wire designations between units and updated.
9-11-80	XII	1	MI-3-2L2 - International Instruments Level Indicator Model 1151 - Updated to ANSI N18.7 format.
9-11-80	XII	1	MI-31-1 - Installation of Electrical Cables - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-3-1A5 - Barton Model 368 Transmitter - Initial issue.
9-11-80	XII	2	MI-31-4 - Termination of Electrical Cables and Internal Wiring - Updated to ANSI N18.7 format.
9-11-80	XII	2	MI-3-5W1 - Johnson C-208 Proportional Cumulator - Updated to ANSI N18.7 format.
9-11-80	XII	0	MI-3-4T8 - GE Recorder Type 531 - Initial issue.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
9-11-80	XII	2	MI-31-2 - Identification Markings for Electrical Cable, Conduit Trays and Nodes - Updated to ANSI N18.7 format.
9-12-80	IV	60	GP-1 - General Plant Operating Procedure - Updated and corrected typographical errors.
9-12-80	VII	0	OWP 5/6 - Inspection of SLC Pump - Initial issue.
9-12-80	X	6	PT 6.2.3 - SLC Injection and Flow Rate Test - Revised the acceptance criteria based on the calculated pump flow.
9-12-80	X	15	PT 14.1 - Control Rod Operability Check - Provided guidance in flushing CRDs that exhibit withdrawal stall flows in excess of 5 gpm.
9-16-80	I, Book 2	7	AI-9 - PNSC Administration - Added the meeting requirements and CNS reviews required by Technical Specifications.
9-16-80	I, Book 4	6	SK-1 - Material Requisition and Reorder Procedures and Responsibilities - Added QA approval and updated routing.
9-16-80	I, Book 1	39	Operating Manual - Added CNS review statement and single-spaced the typed procedure.
9-16-80	X	1	PT 35.16.1 - Fire Barrier Penetration Seals Reactor Building - Revised to inspect for open penetrations and to update the equipment list.
9-16-80	X	2	PT 35.12.2 - Diesel Generator Building Sprinkler Systems - Corrected omissions.
9-16-80	X	1	PT 90.1 - Core Spray Visual Inspection - Changed to PT format and added wire brushing of piping.
9-16-80	XIX	0	FP-6 - Storage and Use of Hazardous Materials - Original issue.
9-22-80	I, Book 2	0	AI-23 - Responsibility and Enforcement of the BSEP Radiation Protection Program - Original issue.
9-22-80	I, Book 4	4	SK-3 - Storage - Added a procedure for deleting material from stock.

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9-22-80	I, Book 3	1	TI-500 - Administrative Subunit Training - Deleted obsolete references and updated titles.
9-24-80	NA	0	SP-80-29 - Pipe Penetration Link Seal Removal/ Inspection/Replacement in -3' Pipe Tunnel - Original issue.
9-24-80	NA	3	SP-80-22 - Scram Discharge Volume Scram Testing - Revised to add recorder channels to monitor the rod block function and valve travel time. Deleted the pressure and temperature requirements.
9-25-80	XII	0	MI-3-2B1-6 - GE Panel Meter Model 180 - Initial issue.
9-25-80	XII	0	MI-3-IBY2 - GE Model 551 - Initial issue.
9-25-80	XII	0	MI-3-4E1 - L&N 12 and 24 Point Recorder Type "W" for Thermocouples - Initial issue.
9-25-80	XII	0	MI-3-3A14 - Barkdale Pressure Switch Model PIH-M340SS-V - Initial issue.
9-25-80	XII	0	MI-3-2A8 - Trerice Pressure Indicators - Initial issue.
9-25-80	XII	0	MI-3-3S2 - Johnson Model P-7221 - Initial issue.
9-25-80	XII	2	MI-11-16 - Overcurrent Relay Model PJQ21A - Revised to ANSI N18.7 format.
9-25-80	XII	1	MI-16-7 - Large 480V and 4KV Taping and Disconnection Instructions - Revised to ANSI N18.7 format.
9-25-80	XII	0	MI-3-03B - Model No. 563-02, B21-FQ-K602A&B - Revised to format required by CQA and NRC.
9-25-80	XII	3	MI-3-52 - Bailey Model 750 Square Root Extractor - Revised to ANSI N18.7 format.
9-25-80	VIII	0	RC&T-4200 - Determination of Compliance to 40CFR190 - Initial issue.
9-25-80	VIII	0	RC&T-0356 - Calibration of the DCA Model 3006 Minirad - Initial issue.
9-25-80	XII	0	MI-3-3L4 - E51-DTS-N601A&B, E11-DTS-N601A&B - Initial issue.

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9-25-80	XII	0	MI-3-21G - HPCI Pressure Transmitter GEMAC Type 551 - Initial issue.
9-25-80	VIII	1	RC&T-0120 - Routine/Special Airborne Radioactivity Survey - Limited airborne activity in the "Hot" Machine Shop.
9-25-80	VIII	2	RC&T-0130 - Airborne Radioactivity Analysis of Service Air and Instrument Air - Set limits on the Instrument and Service Air Systems activity levels.
9-25-80	XII	0	MI-3-55D1 - Racon Series 14000-04 Microwave Security System - Initial issue.
9-25-80	XII	1	MI-3-2B1-2 - GE Model No. 180 - Revised the format as required by ANSI N18.7.
9-25-80	XII	0	MI-3-3W1 - Allan Bradley Model 836 - Original issue.
9-25-80	XII	1	MI-10-510A - CAC Monitor Vacuum Pump Model PCD-10 - Revised to allow total replacement of the pumps and updated the procedure.
9-25-80	XII	4	MP-25 - Qualification of Weld Procedure Specifications and Welders - Revised to define "test director," to correct nomenclature and to add a procedure for transporting and performing NDT on plant items.
9-25-80	XII	2	OI-2 - Shift Turnover Checklist - Revised to provide a method of reporting failures and challenges of SRVs.
9-25-80	XII	1	MI-16-592 - HCU Cartridge Valve (111) - Added the lubricant part number.
9-25-80	XII	2	MI-16-542 - Hydraulic Control Unit Scram Valves - Converted inch pounds to foot pounds and indicated hold points.
9-25-80	X	11	PT 6.1 - SLC System Component Test - Corrected the volume of the SLC test tank.
9-25-80	III	6	OP-26 - Turbine System - Updated the Table of Contents.
9-25-80	X	0	PT 35.16.5 - Fire Barrier Penetration Seals Control Building (elevation 49'-0" and 70'-0") - Initial issue.

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9-25-80	XIX	2	FP-10- Fire Suppression System Valve Control - Updated to include new valves.
9-27-80	IV	61	GP-1 - General Plant Operating Procedure - Revised to combine RSCS Groups 10A and 10B, added more steps to the pull sheet to clear RSCS and updated.
9-29-80	XVII	11	SI-10 - Vehicular Traffic and Parking Control - Revised to define the control of the rail-road derailing device.
9-29-80	XIX	0	FP-9 - Fire Protection Procedure, Fire Plan, Control Building, Unit No. 1, F.A. CB-5 - Original issue.
9-29-80	XIX	0	FP-9 - Fire Protection Procedure, Fire Plan Control Building, Unit No. 2, F.A. CB-6 - Original issue.
9-29-80	XIX	0	FP-9 - Fire Protection Procedure, Fire Plan, Control Building, Unit No. 1, Battery Room 1A, F.A. CB-7 - Original issue.
9-29-80	XIX	0	FP-9 - Fire Protection Procedure, Fire Plan. Control Building, Unit No. 1, Battery Room 1B, F.A. CB-8 - Original issue.
9-29-80	XIX	0	FP-9 - Fire Protection Procedure, Fire Plan, Control Building, Unit No. 2, Battery Room 2A, F.A. CB-9 - Original issue.
9-29-80	XVII	0	FP-9 - Fire Protection Procedure, Fire Plan, Control Building, Unit No. 2, Battery Room 2B, F.A. CB-10 - Original issue.
9-29-80	VII	0	OWP-3/1 - Repair of Backup Scram Pilot Valve - Original issue.
9-29-80	VII	8	OI-10 - Operations Work Procedures Preparation and Execution - Revised the list of effective pages.
9-30-80	VIII	0	RC&T-0530 - Temporary Operation of the Drum Crusher - Original issue.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
10-7-80	I, Book 2	2	AI-38 - Tickler System - Incorporated the latest organizational changes.
10-7-80	I Book 4	2	SK-4 - Issuing of Materials and Tools - Added a section for issuing tools for decontamination and returning contaminated tools.
10-9-80	X	7	PT 1.5PC - Rod Block Monitor - Revised to receive the high trip without being confused by the previous trip.
10-9-80	X	5	PT 1.2.3PC - APRM (15%) Channel Calibration - Reset a tripped circuit and added notes.
10-9-80	X	5	PT 45.1.3 - RPS Reactor High Pressure Trip Response Time - Recorded the voltage reading on the recorder.
10-9-80	X	9	PT 1.1.12PC - High Stream Line Radiation Channel Calibration and Functional Test - Revised to reflect new radiation background readings.
10-9-80	X	7	PT 9.1 - HPCI Simulated Automatic Actuation and Logic Functional Test - Added steps and data sheet to calibrate time delay relay.
10-9-80	X	4	PT 1.5 PC - SRM System Channel Calibration and Functional Test - Revised to distinguish between a field calibration and a bench calibration. Incorporated an improved method of adjusting the pulse height discriminator and the plotting of a H.V. curve and updated.
10-10-80	X	1	PT 48.0 - Public Address (Page and Party Line) System - Changed the procedure frequently from semiannual to annual.
10-10-80	XII	3	MP-12 - General Cleanness Procedure - Revised to allow maintenance on the CRD drive water filter.
10-10-80	XII	2	MI-16-501 - Instructions for Removal and Cleaning CRD Drive Water Filter - Revised to allow maintenance on the CRD drive water filter.

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
10-17-80	X	3	PT-1.4 - Control Rod Drive System Scram Discharge Volume Subsystem - The present SDV instrumentation has a high level of reliability so the daily residual water check was deleted.
10-17-80	XX	0	ENP-16 - Procedure for Administrative Control of ISI and Augmented Nondestructive Testing - Initial issue.
10-17-80	I, Book 3	6	TI-301 - New Employee Orientation Program - Gave the responsibility for completing the new employee orientation program to the foremen and supervisors.
10-17-80	I, Book 3	1	TI-400 - Plant Management Training - Deleted references to TI-401 and updated.
10-17-80	I, Book 5	0	RMI-4 - Plant Library - Initial issue.
10-17-80	I, Book 5	0	RMI-3 - Reproduction, Distribution and Accountability of Plant Documents - Initial issue.
10-17-80	I, Book 5	0	RMI-2 - Records Receipt and Storage - Initial issue.
10-17-80	I, Book 5	0	RMI-1 - Capture and Indexing of Correspondence and Plant Records - Initial issue.
10-17-80	I, Book 2	15	AI-2 - Collection Maintenance, Control and Storage of Plant Records - Deleted the entire procedure. Replaced by RMI-1, 2 and 3.
10-17-80	I, Book 2	17	AI-6 - Plant Filing Instructions - Deleted the entire procedure. Replaced by RMI-1.
10-17-80	I, Book 2	3	AI-7 - Correspondence Handling Instructions - Deleted the entire procedure. Replaced by RMI-1.
10-22-80	III	17	OP-43 - Service Water System - Updated the valve lineups.
10-22-80	X	18	PT 10.2 - RCIC System Component Test - Added a second operator to monitor the torus level.
10-22-80	X	10	PT 10.1.3 - RCIC Flow Rates at 150 PSIG - Added a second operator to monitor the torus level.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
10-22-80	X	13	PT 10.1.1 - RCIC Flow Rates at 1000 PSIG - Added a second operator to monitor the torus level.
10-22-80	X	19	PT 9.2 - HPCI System Component Test - Added a second operator to monitor the torus level.
10-22-80	X	9	PT 11.1.2 - ADS Valve Test - Added a second operator to monitor the torus level.
10-22-80	X	5	PT 12.6 - Electrical Power Systems - Revised to permit the position of the breakers to change in different plant conditions.
10-22-80	X	8	PT 35.1 - Fire Protection System - Deleted PIV-31 valve and added valves previously not listed.
10-22-80	III	27	OP-24 - Containment Atmospheric Control System - Revised to change "check" to "open."
10-22-80	VII	9	OI-10 - OWP Preparation and Execution - Added OWP-7/13 and OWP-51/3.
10-22-80	VII	0	OWP-7/13 - SDV Vent/Drain Repair - Original issue.
10-22-80	VII	0	OWP-51/3 - 1B-2 125 Volt Battery Remove and Replace Cell - Original issue.
10-22-80	III	18	OP-7 - Control Rod Drive System - Added "required by GP-1" and deleted "remove CRD withdrawn signal" and "remove emergency insert signal." Changed \leq gpm to ≤ 5 gpm for CRD stall-down flow.
10-22-80	III	17	OP-16 - RCIC System - Added a second operator to monitor the torus level.
10-22-80	X	13	PT 9.5 - HPCI 1000 PSIG Flow Rate Test - Added a second operator to monitor the torus level.
10-22-80	III	21	OP-19 - HPCI System - Added a second operator to monitor the torus level.
10-22-80	VII	4	OI-4 - LCO Evaluation and Follow-up - Revised routing of tracking LCOs and added step to ensure immediate notification requirements are conformed to.
10-22-80	III	6	OP-27-3 - Generator Gas - Revised to open G-02 valve.

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
10-22-80	X	14	PT 8.1.3 - LPCI/RHR System Component Test - Revised to calibrate gages within the last three months.
10-22-80	IV	63	GP-1 - General Plant Operating Procedure - Revised to provide start-up of instructions without SULCV. Provided information to plant personnel for generator synchronization to the grid.
10-24-80	X	0	PT 35.16.6 - Fire Barrier Penetration Seals Control Room Panels and Cabinets (West Side) - Original issue.
10-24-80	X	0	PT 35.16.8 - Fire Barrier Penetration Seals Control Room Panels and Cabinets (West Side) - Original issue.
10-24-80	II	6	SD-20 - Automatic Depressurization and Safety/Relief Valve System - Revised the Unit No. 1 SRV setpoints to conform to the present torus configuration.
10-24-80	X	0	P5 35.16.9 - Fire Barrier Penetration Seals Control Room Panels and Cabinets (East Side) - Original issue.
10-24-80	X	4	PT 6.2.1 - SLC Relief Valve Test - Revised to ensure the SLC relief valve setpoint stays above 1400 psig.
10-24-80	X	0	PT 35.16.10 - Fire Barrier Penetration Seals Control Building Computer Rooms - Original issue.
10-30-80	X	0	PT 35.16.7 - Fire Barrier Penetration Seals Control Room Panels and Cabinets (East Side), Unit No. 1 - Initial issue.
10-30-80	X	0	PT 35.12.11.1 - Reactor Building Sprinkler Systems, Unit No. 1 - Initial issue.
10-30-80	X	0	PT 35.12.10 - Radwaste Building Sprinkler System, Unit Nos. 1 and 2 - Initial issue.
10-30-80	X	0	PT 35.12.11.2 - Reactor Buildings Sprinkler Systems, Unit No. 2 - Initial issue.
10-30-80	X	7	PT 35.7 - Sprinkler and Delug Systems, Unit Nos. 1 and 2 - Revised valve numbers due to renumbering.

DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
10-30-80	XII	2	MI-10-6G - Plant Batteries - Revised the torque valves on the intercell connector nuts and bolts.
10-30-80	X	2	PT 55.4PC - CAC Drywell Hydrogen and Oxygen Channel Calibration - Revised to provide a more accurate adjustment of the zero pot.
10-30-80	X	8	PT 1.5PC - Rod Block Monitor - Revised Unit No. 1 upscale trip due to a Tech. Spec. change.
10-30-80	X	3	PT 1.5.2PC - RPS and Control Rod Blocks - Revised for field calibration of the range correlation adjustment at power level.
10-30-80	X	4	PT 55.1PC - Remote Shutdown Drywell Pressure Loop Calibration - Revised procedure step numbers.
10-30-80	X	1	PT 1.3.2PC - Reactor Protection Instrument Test - Revised to monitor valve contacts with a VOM.
10-30-80	VIII	2	RC&T-0230 - Issue and Use of Radiation Work Permit - Revised to allow the RWP requester to post a copy of the RWP and to allow plant supervision to utilize the 7-day standing RWP.
10-30-80	VIII	13	Radiation Control and Protection - Revised to get prior approval before exceeding 5 rem /year whole body exposure. Clarified the present Beta-Gamma skin contamination limit.
10-30-80	XIII	14	Emergency Plan - Revised to update telephone numbers.
10-30-80	VIII	1	RC&T-0320 - Calibration of Eberline RM-14 Radiation Monitor and Ludlum 177 Alarm Rate Meter with the HP-210 Probe - Revised to reflect the use of Tc ⁹⁹ as a calibration source.
10-30-80	VIII	0	RC&T-0328 - Calibration of PRS-2 "Rascal" with SPA-3 - Initial issue.
10-30-80	XVI	2	A-5, 2-5 - Annunciator Procedure, Scram Discharge Volume Not Drained - Clarified and updated.

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10-30-80	VI	16	EI-31 - Reactor Scram - Deleted PT 1.4 requirement.
10-30-80	VI	5	EI-2 - Loss of Control Rod Shutdown Capability - Added pressure switch numbers and a step to verify accumulators recharging.
10-30-80	III	11	OP-32-1 - Condensate Deep Bed Demineralizer System - Revised due to a plant modification which added resin trip drain isolation valves.
10-30-80	VII	6	OI-3 - Periodic Testing and Daily Surveillance Report - Deleted PT 1.4 requirement.
10-30-80	III	9	OP-41 - Fire Protection System - Updated valve numbers.
10-30-80	III	7	OP-26 - Turbine System - Revised the initial procedure conditions.
10-30-80	X	13	PT 9.3 - HPCI - Revised to provide a second operator to monitor the torus level.
10-30-80	III	8	OP-32-2 - Condensate Filter Demineralizer System - Revised to add valves due to a plant modification.
10-30-80	III	8	OP-26-2 - EHC Hydraulic System - Revised to provide barrel heating power supply.
10-31-80	IX	7	FH-13 - PWR Fuel Handling Operations - Revised to provide a complete checkout of the refueling bridge grapple.
10-31-80	VII	1	OWP-43/5 - RHR SW Pump Motor Cooler Zinc Inspection/Replace - Revised to vent system headers.
10-31-80	VII	1	OWP-43/2 - Repair RHR SW Pump - Revised to vent system headers.
10-31-80	VII	2	OWP43/4 - Repair Various Leaks on RHR Service Water Piping - Revised to vent system headers.
10-31-80	VII	1	OWP-43/8 - Repair of RHR SW Pump Discharge Check Valve - Revised to vent system headers.
10-31-80	VII	10	OI-10 - Operations Work Procedures Preparation and Execution - Updated the OWP index.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
11-5-80	IV	63	GP-1 - General Plant Operating Procedure - Revised Unit No. 1 - B2 pull sequence for fuel cycle 3.
11-6-80	XII	7	MP-14 - Corrective Maintenance - Revised to provide instructions for processing trouble tickets that don't require the Shift Foreman's review.
11-6-80	XII	3	MI-10-500 - Lubrication Schedule - Updated the procedure.
11-11-80	IX	9	FH-11A - Refueling Platform Operations - Revised to allow fuel to be relocated within the spent fuel pool.
11-11-80	X	2	PT 16.1.1 - Containment Atmosphere Control System Component Test - Added Unit No. 1 breakers and revised valve positions.
11-11-80	III	7	OP-5 - Standby Liquid Control System - Revised to provide two independent verifications of valve and electrical lineups.
11-11-80	III	8	OP-26 - Turbine System - Revised to reduce steam flow to prevent high steam flow scram during testing.
11-11-80	X	18	PT 40.2.5 - Turbine Control Valve Testing - Revised to reduce steam flow to prevent high steam flow scram during testing.
11-11-80	III	28	OP-24 - Containment Atmospheric Control System - Revised to provide two independent valve and electrical verifications.
11-11-80	III	28	OP-17 - Residual Heat Removal System - Revised to provide two independent valve and electrical verifications.
11-11-80	III	18	OP-16 - RCIC System - Revised to provide two independent valve and electrical verifications.
11-11-80	III	22	OP-19 - HPCI System - Revised to provide two independent valve and electrical verifications.
11-11-80	III	14	OP-10 - Standby Gas Treatment System - Revised to provide two independent valve and electrical verifications.
11-11-80	III	10	OP-30 - Condenser Air Removal System - Revised to change valve positions and to warm up the air ejectors.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
11-12-80	X	3	PT 21.1 - Control Building Emergency Filters - Revised the efficiency required from 99.95% to 99% or greater.
11-12-80	X	20	PT 1.3.1P - Reactor Protection Instrument Test - Revised to ensure all components in the channel logic are checked.
11-12-80	X	0	PT 1.3.2P-1 - Reactor Protection Instrument Test - Initial issue; this was PT 1.3.2P.
11-12-80	X	0	PT 1.3.2P-2 - Reactor Protection Instrument Test - Initial issue; this was PT 1.3.2P.
11-12-80	X	27	PT 1.3.2P - Turbine Control and Stop Valve Closure - Deleted in its entirety. Replaced by PT 1.3.2P-1 and -2.
11-12-80	X	0	PT 35.16.11 - Fire Barrier Penetration Seals, Diesel Generator Building, elevation 2', 50' and 69' - Initial issue.
11-12-80	X	0	PT 35.16.12 - Fire Barrier Penetration Seals, Diesel Generator Building - elevation 23' - Initial issue.
11-12-80	II	5	SD-18 - Core Spray System - Completely updated.
11-13-80	XIX	2	FP-7 - General Fire Plan - Revised the telephone numbers in the plan.
11-14-80	XI Book 1	10	QAP-2 - On-Site QA Surveillance - Deleted in its entirety. Replaced by QAP-2a.
11-14-80	XI Book 1	0	QAP-2a - Reporting and Resolution of Non-conformances - Initial issue.
11-14-80	I	40	Administrative Procedures - Revised to limit personnel overtime, clarified duties of Control Room personnel, added Records Management Instructions, updated the Equipment Clearance form, updated the plant "laydown areas" and updated the plant organizational chart.
11-14-80	I	1	RMI-3 - Reproduction, Distribution and Accountability of Plant Documents - Updated to provide more direction for distributing confidential documents, to provide better notification of plant modification operability, to implement foreign print aperture cards and to acknowledge the receipt of outdated aperture cards.

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DATE	VOL.	REV. NO.	NUMBER & TITLE/CHANGE
11-15-80	XII	0	MI-33 - Radwaste Portable Demineralizers - Initial issue. This procedure gives the step-by-step instructions for dewatering portable demineralizers.
11-15-80	III	29	OP-24 - Containment Atmospheric Control (CAC) - Revised to designate jumpers to be used to override CAC switches, if required.
11-20-80	XII	1	MI-10-512A - Deleted in its entirety. Replaced by MI-10-512A-1, -2, -3 and -4.
11-20-80	XII	0	MI-10-512A-1-Visual Inspection of Nonsafety-Related Nonoutage Unit No. 1 - Initial issue.
11-20-80	XII	0	MI-10-512A-2-Visual Inspection of Nonsafety-Related Snubbers, Outage Unit No. 1 - Initial issue.
11-20-80	XII	0	MI-10-512A-3-Visual Inspection of Nonsafety-Related Snubbers, Nonoutage Unit No. 2 - Initial issue.
11-20-80	XII	0	MI-10-512A-4-Visual Inspection of Nonsafety-Related Snubbers, Outage Unit No. 2 - Initial issue.
11-20-80	XII	0	MI-10-511F - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Outside Maintenance - Initial issue.
11-20-80	XII	0	MI-10-511B - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Inside Drywell Unit No. 1 - Initial issue.
11-20-80	XII	0	MI-10-511C - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Outside Drywell Unit No. 2 - Initial issue.
11-20-80	XII	0	MI-10-511D - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Inside Drywell Unit No. 2 - Initial issue.
11-20-80	XII	0	MI-10-511E - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Radwaste - Initial issue.

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11-20-80	XII	2	MI-10-511A - Mechanical Inspection and Lubrication of Limitorque Operators Installed in Q-list Equipment - Outside Drywell Unit No. 1 - Updated the procedure.
11-20-80	X	1	PT 19.6.0.1-2 - Visual Inspection of Inaccessible Snubbers on Safety-Related Systems Deleted snubbers deleted by plant mods.
11-20-80	XII	0	MI-16-603B - Fisher Control Valves - Design ES&EC - Initial issue.
11-20-80	VII	5	OI-4 - LCO Evaluation and Follow-up - Revised to clarify action required by IE Bulletin 80-17.
11-20-80	XII	4	MP-30 - General Welding Procedure - Defines where certified welding is required, allows work to be performed before weld numbers are assigned, noted that IIA and B-1 classes need NDT and added info on an oxygen analyzer.
11-20-80	III	29	OP-17 - Residual Heat Removal System - Revised isolation valves and pump to be selected and started.
11-20-80	IV	2	OG-8 - Guidelines for Preparation of Mechanical Jumper Procedure - Revised to review mechanical jumpers prior to installation and use.
11-20-80	VII	0	OI-13 - Valve Lineup Position Verification Initial issue.
11-20-80	III	9	OP-39 - Diesel Generator - Revised to add a second verification of valve and electrical lineups.
11-20-80	III	13	OP-50-1 - Diesel Generator Emergency Power System - Revised to add a second verification of valve and electrical lineups.
11-20-80	III	6	OP-18 - Core Spray System - Revised to add a second verification of valve and electrical lineups and updated.
11-20-80	X	16	PT 14.1 - Control Rod Operability Check - Revised to record the stall flow if greater than 270 pounds and updated.

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11-20-80	X	10	PT 1.2.1 - Source Range Monitoring System - Revised to eliminate damage to the SRM/IRM drives.
11-20-80	XII	11	MP-27 - Handling the IF-300 Cask - Deleted annual inspection of the yoke which is performed by PT 41.3 and allows receipt of "wet" spent fuel.
11-20-80	X	1	PT 19.6.0.2-2 - Visual Inspection of Accessible Snubbers on Safety-Related Systems - Deleted snubbers removed by plant mods.
11-20-80	X	2	PT 1.1.10 - Reactor Protection Logic System Functional Test - Revised to clarify proper cabinet.
11-20-80	X	6	PT 3.1.5PC - Emergency Core Cooling System - Revised to clarify a negative valve.
11-20-80	X	4	PT 56.5PC - Post Accident Reactor Pressure Instrumentation Loop Calibration - Revised to perform in modes other than shutdown.
11-20-80	VIII	3	RC&T-0110 - Monitoring Personnel for Contamination - Revised to be able to determine release limits for individuals with nonremovable skin contamination.
11-20-80	VIII	5	RC&T-0216 - Control and Monitoring of Non-radioactive Plant Waste and Scrap - Revised to use the Rascal-XAI detector.
11-20-80	XII	0	MI-10-521B - Centerline Check Valve - Initial issue.
11-20-80	X	1	PT 19.6.0.2-1 - Visual Inspection of Accessible Snubbers on Safety-Related Systems - Revised to delete snubbers removed by plant modifications.
11-20-80	XII	2	MI-11-11 - ITE Ground Fault Relay Checkout for Type GR-5 - Revised relay tester.
11-20-80	XII	2	MP-31 - Electrical Cable and Conduit Installation, Identification and Testing - Revised to provide improved maintenance control and documentation.
11-20-80	XII	0	MI-3-1AK7 - E11-LT-N008A&B - Initial issue.

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11-20-80	XII	1	MI-3-1A5 - G31-FT-N012, -N036 and -N041 - Revised to provide improved maintenance control and documentation.
11-20-80	XII	0	MI-3-1A4 - E11-FT-N013 and -N015A&B - Initial issue.
11-20-80	XII	0	MI-1-47 - Nuclear Measurements, Corp. Pulse Generator - Initial issue.
11-20-80	XII	0	MI-1-45 - Nuclear Chicago Manual Lab Sealer - Initial issue.
11-20-80	X	4	PT 3.1.7PC - Emergency Core Cooling Systems - Revised to mark scale points before removing face plate and scale.
11-20-80	X	4	PT 56.6PC - Post Accident Containment Pressure Loop Calibrations - Corrected model number.
11-20-80	X	4	PT 2.1.4PC - Primary Containment Isolation and Recirculation Pump Trip Systems - Revised to mark scale points before removing face plate and scale.
11-20-80	NA	2	SP-79-36 - Hydrostatic and Pneumatic Testing of Instrument Tubing and Piping - Clarified responsibilities, added water quality requirements and acceptance criteria.
11-20-80	XII	1	MI-26-2 - Main Generator Hydrogen Purity Monitoring Loop - Revised to improve maintenance control and documentation.
11-20-80	XII	1	MI-16-9 - Procedure for Removal of RPIS Probe and Reed Switch and Reed Switch Replacement - Revised to improve maintenance control and documentation.
11-20-80	XII	1	MI-16-4 - Plant Electrical DC Battery Removal and Installation - Revised to improve maintenance control and documentation.
11-20-80	XII	5	MI-16 - Index of Electrical and Mechanical Corrective Maintenance Instructions - Updated index.
11-20-80	XII	0	MI-11-8B - Instantaneous Overcurrent Relay GE Model PJC 32K - Initial issue.

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11-20-80	XII	0	MI-11-8A - Instantaneous Overcurrent Relay GE Model PJC 32F - Initial issue.
11-20-80	XII	1	MI-10-2T - Replacement of Alterrex Brushes - Revised to improve maintenance control and documentation.
11-20-80	X	1	PT 12.7.1 - Miscellaneous Equipment ECCS Signal Functional Test - Revised to incorporate NRC commitments.
11-20-80	X	5	PT 12.1.1 - Diesel Generator Actual Loading Test - Revised to include FSAR de- sign loads and equipment which has LOCA logic control circuitry.
11-20-80	X	2	f 12.1.2 - Diesel Generator Actual Loading Test - Revised to include FSAR design loads and equipment which has LOCA logic control circuitry.
11-20-80	XII	0	MI-3-55D - Racon Series 13000 Microwave Security System - Revised for improved maintenance control and documentation.
11-20-80	XII	0	MI-3-55A - Diamond Electronics Model LL-1 Camera Setup and Adjustments - Initial issue.
11-20-80	NA	0	SP-80-28 - Anchor/Darling Bonnet Valve Bolt Hardness Inspection - Initial issue.
11-20-80	XII	2	MI-3-50 - Bailey Type 701 N ₂ Flow Controller- Revised for improved maintenance control and documentation.
11-20-80	XII	0	MI-3-40A - GE Flow Recorder Type 53C - Initial issue.
11-20-80	XII	0	MI-3-38A4 - GE Power Supply Type 570-06 - Initial issue.
11-20-80	XII	0	MI-3-38A1 - GE Power Supply Type 570-06 - Initial issue.
11-20-80	XII	0	MI-3-37A - GE Selector Station Model 568 - Initial issue.
11-20-80	XII	0	MI-3-36B - GE Model 565 - Initial issue.
11-20-80	XII	0	MI-3-15C1 - GE Type 112C2235-G4 Regulated Power Supply - Initial issue.

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11-20-80	XII	7	MI-3-11B - Moore Industries Model DCA/10-50 MA/D-XI-X3-117AC - Revised for improved maintenance control and documentation.
11-20-80	XII	1	MI-3-11A1 - Acromag Model 372-D-1 - Revised for improved maintenance control and documentation.
11-20-80	XII	6	MI-3-6F - Transmation - Type 230T Volt to MA Converter - Revised for improved documentation and maintenance control.
11-20-80	XII	1	MI-3-5X1 - GE Model 540-01 Controller - Revised for improved documentation and maintenance control.
11-20-80	XII	0	MI-3-5AI - Powers Accritem Temperature Controller - Initial issue.
11-20-80	XII	0	MI-3-3W5 - Allen Bradley Model 836 Pressure Switch - MUD - Revised for improved documentation and maintenance control.
11-20-80	XII	0	MI-3-3W2 - Allen Bradley Model 836 Pressure Switch - DG - Revised for improved documentation and maintenance control.
11-20-80	XII	0	MI-3-3L8 - NECI Thermocouple 0-600 ^o F Type T - Initial issue.
11-20-80	XII	0	MI-3-3L7 - Riley Scam Model 86 Temp-Matic Panalarm - Initial issue.
11-20-80	XII	0	MI-3-316 - Varec Level Switch - Initial issue.
11-20-80	XII	0	MI-3-3IB4 - Barksdale Pressure Switch - Initial issue.
11-20-80	XII	0	MI-3-3IB-1 - Magnetrol Flow Switch - Initial issue.
11-20-80	XII	0	MI-3-3B9 - Hastings Compact Vacuum Controller - Initial issue.
11-20-80	XII	4	MI-3-1P2 - Yarway Level Switch Model 4418CE - Revised to provide improved documentation and maintenance control.
11-20-80	XII	1	MI-3-2A2 - Ashcroft Pressure Gauge - Revised to provide improved documentation and maintenance control.

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11-20-80	XII	3	MI-3-2B - Emico Model No. 35W - Revised to provide improved documentation and maintenance control.
11-20-80	XII	2	MI-3-3H1 - Fenwal Temperature Switches - Revised to provide improved documentation and maintenance control.
11-20-80	XII	2	MI-3-3A6 - Reactor High Pressure - Revised to provide improved documentation and maintenance control.
11-20-80	XII	2	MI-16-545 - Main Steam Safety Relief Valve - Delete this procedure in its entirety. Refer to PT 19.4.
11-20-80	XII	1	MI-3-3F1 - Magnetrol Flow Switch - Revised to provide improved documentation and maintenance control.
11-20-80	XII	0	MI-3-3A28 - Barksdale 739 - Initial issue.
11-20-80	XII	0	MI-3-3A13 - Barksdale Pressure Switch Model PLH-M340SS-V - Initial issue.
11-20-80	XII	0	MI-10-510B - Stack Off-Gas Sample Pump Model 1022-V103 - Initial issue.
11-20-80	XII	0	MI-3-3B14 - Barton Model 289 - Initial issue.
11-20-80	XII	0	MI-3-3A40 - Barksdale Model D2T-M18SSL6 - Initial issue.
11-20-80	XII	0	MI-3-2V1 - Peerless Pump Company Flow Glass - Initial issue.
11-20-80	XII	0	MI-10-519A - Reactor Feed Pump Lube Oil Purifier (De Laval) - Initial issue.
11-20-80	XII	0	MI-16-581 - Quincy Air Compressor, 5HP - Initial issue.
11-20-80	XII	0	MI-3-2V - MUD-LG-2132, -2158, -2186 and -2213 - Initial issue.
11-20-80	XII	0	MI-10-519B - Annual Inspection of Reactor Feed Pump Lube Oil Purifier (De Laval) - Initial issue.
11-20-80	XII	0	MI-3-2L9 - International Instrument Indicator Model 1151 - Initial issue.
11-20-80	XII	0	MI-3-2L8 - International Instrument Indicator Model 1151 - Initial issue.

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11-20-80	XII	0	MI-16-605 - "AU" Series Control Valve, with Diaphragm Operator - Initial issue.
11-20-80	XII	0	MI-3-2B1-9 - HPCI Pump Suction Turbine Steam Exhaust Pressure Indicators GE Model 180 Panel Meter - Initial issue.
11-20-80	XII	0	MI-10-516B - Inspection of Oil Cooler on Service Water Pump Motor - Initial issue.
11-20-80	XII	0	MI-3-2B1-8 - International Instruments - CAC - Initial issue.
11-20-80	XII	0	MI-3-2B1-7 - International Instruments Model No. 1151 - Initial issue.
11-20-80	XII	0	MI-3-2A18 - Ashcroft Pressure Gauge - Initial issue.
11-20-80	XII	0	MI-3-2A7 - Ashcroft Pressure Indicator - 30" Vacuum to +15 psi - Initial issue.
11-20-80	XII	0	MI-3-1P5 - Yarway Model 4418C - Initial issue.
11-20-80	XII	0	MI-3-1BW2 - Beckman CEL-IIXI-002-50222 - Initial issue.
11-20-80	XII	0	MI-3-1BW1 - Beckman RA-5 Solumeter - Initial issue.
11-20-80	XII	0	MI-25-25 - Welding Instruction 23B1 - Initial issue.
11-20-80	XII	0	MI-3-2A15 - Merian Manometer 30EA15 - Initial issue.
11-21-80	VIII	1	RC&T-0310 - Calibration of NMC Continuous Air Monitors (CAMs) - Revised to allow for three channel calibration.
11-21-80	VIII	1	RC&T-0220 - Respiratory Protection Program - Designates responsibilities, updates, provides guidance and documents service air system analysis.
11-21-80	III	17	OP-43 - Service Water System - Revised to vent entrapped air and to provide an independent verification of valve and electrical lineups.
11-21-80	VIII	3	RC&T-0200 - Personnel Exposure Control to Ionizing Radiation - Revised to add a dosimetry evaluation form.

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11-21-80	VIII	1	RC&T-0400	- Investigation of Lost or Damaged Personnel Dosimetry Devices and Overexposures - Updated titles and content.
11-21-80	VIII	0	RC&T-0327	- Xetex High Level Probe Model 302 - Initial issue.
11-21-80	VIII	0	RC&T-0500	- Receiving, Inventory, Leak Testing and Control of Radioactive Sources - Updated the procedure.
11-21-80	VIII	0	RC&T-0411	- Reading Personnel TLD Badges - Updated to latest operating practices. RC&T-0410 will be deleted.
11-21-80	I Book 2	1	AI-25	- Non-CP&L Start Work Authorization - Revised to update QA and 10CFR21 requirements and to change distribution.
11-21-80	I Book 5	1	RMI-1	- Capture and Indexing of Correspondence and Plant Records - Revised to not change the indexing of records prior to 4-1-80.
11-25-80	I Book 2	2	AI-0	- Plant Safety and Reliability Enhancement Through Consideration of Human Factors - Initial issue.
11-25-80	I Book 4	4	SK-2	- Receiving - Revised to add a requirement to eliminate excess packing material and other unnecessary materials from the protected area.
11-25-80	XVII	6	SI-16	- Security Instruction Compensatory Action - Added compensatory actions for barriers and updated the procedure.
11-25-80	XVII	21	SI-9	- Access Control and Personnel Identification - Updated procedure due to system modifications.
11-26-80	XI Book 1	1	QAP-22	- Identification of Repeated Offenders of Plant QA Program - Delete procedure.

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11-26-80	I	41	Administrative Procedures - Revised to overtime scheduling to agree with the department manager's letter (File NG-3512(G), Serial No. 80-1602). Also added a 14-day limitation on temporary revisions unless approved and extended by PNSC. Revised the Q-list reference and the modification reference.
11-28-80	X	6	PT 41.2 - Inspection of Crane Hooks, Crane Brakes, Ropes and Chains - Provided inspection for permanently assigned slings and associated rigging.

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12-2-80	III	11	OI-10 - Operations Work Procedures Preparation and Execution - Added a new OWP.
12-2-80	VII	0	OWP-16/15 - Repair of RCIC Turbine and Steam Valves - Initial issue.
12-2-80	VI	17	EI-31 - Reactor Scram - Revised to prevent pump damage by shutting off the seal water.
12-2-80	III	10	OP-30 - Condenser Air Removal System - Revised to prevent pump damage by shutting off the seal water.
12-2-80	X	10	PT 46.1 - Locked Valves - Added guidance on determining valve positions.
12-2-80	XVI	2	A-5 3-2 - Annunciator Procedure, Rod Out Block - Removed a redundant word to clarify the action.
12-2-80	III	26	OP-2 - Reactor Recirculation System - Deleted valves removed by a plant modification.
12-2-80	X	9	PT 1.10 - SRM & IRM Detector Position Rod Block Functional Test - Revised to ensure monitor drives are not damaged.
12-2-80	X	2	PT 1.2.1a - Source Range Monitoring System - Revised to ensure monitor drives are not damaged.
12-2-80	III	30	OP-24 - Containment Atmospheric Control System - Revised to prevent a failure of the tank rupture diaphragm during tank filling.
12-2-80	XI	1	QAP-2a - Reporting and Resolution of Nonconformances - Made editorial changes only.
12-3-80	XX	11	ENP-3 - Q-List Modification Procedure - Added ISI and ALARA reviews and provided clarification of modification requirements.
12-4-80	VIII	1	RC&T-0410 - RC&T Procedure - Delete the procedure in its entirety. Superseded by RC&T-0411.
12-4-80	VIII	2	RC&T-0261 - Radiation Control and Test Procedure - Clarified the drywell entry procedure.

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12-4-80	VIII	1	RC&T-0302 - Calibration of Portal Monitors - Added the new locations for portal monitors.
12-4-80	VIII	1	RC&T-0301 - Calibration of Hand and Foot Monitors - Added the new locations for portal monitors.
12-4-80	VIII	3	RC&T-0009 - Irradiated Fuel Shipping Cask - Updated the notification sequence.
12-4-80	VIII	4	RC&T-2000 - Radioactive Airborne Effluent Releases and Reports - Updated references to other procedures.
12-4-80	VIII	1	RC&T-0050 - Response Testing of RC&T Portable Survey Instrumentation - Added instrument types and serial numbers.
12-4-80	VIII	3	RC&T-0200 - Personnel Exposure Control to Ionizing Radiation - Added requirements for extremity dosimeters, results of doses entered into weekly reports and dose limit extension procedure.
12-4-80	VIII	3	RC&T-0111 - Routine/Special Survey for Removable Surface Contamination - Added monthly alpha surveys.
12-5-80	VIII	0	RC&T-0360 - Operation and Use of Victoreen Condenser R-Meter Model 570 - Initial issue of this procedure. This was an RC&T Instruction 7039.
12-6-80	NA	0	SP-80-33 - Unit No. 2 Reactor Coolant Recirculation Pump Investigation - Initial issue.
12-9-80	I, Book 3	1	TI-904 - Training Files - Deleted the procedure in its entirety. This information is in RMI-1.
12-11-80	X	1	PT 12.7.2 - Miscellaneous Equipment ECCS Signal Functional Test - Added testing steps for RBCCW SW supply valve and nuclear SW pumps 1A and 2A.
12-12-80	XI	1	QAP-20 - Receiving Inspection of Q-list Material and Components - Updated and incorporated ANSI standards.
12-12-80	I, Book 2	4	AI-33 - Periodic Test Cross Reference to the Technical Specifications - Delete in its entirety.

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12-12-80	X	0	PT 46.4 - Control Building HVAC Auto Initiation - Original issue.
12-18-80	XII	1	MI-16-589 - Lonergan Relief Valves - Series "LCT" - Revised relief valve set pressure.
12-18-80	XII	0	MI-25-27 - Welding Instruction 1-8B1 - Original issue.
12-18-80	XII	0	MI-25-26 - Welding Instruction 1-8B4 - Original issue.
12-18-80	XII	1	MI-16-583 - Feedwater Check Valves (Anchor) B21-F010A & B - Revised due to Plant Modification 79-233, installation of a soft seat pressure seal ring.
12-18-80	XII	0	MI-16-609 - Velan Bonnetless Valves, 2" and Below - Original issue.
12-18-80	XII	0	MI-16-603A - Fisher Control Valves Design EWD, EWS and EWT - Original issue.
12-18-80	I	2	Related Technical Training and On-The-Job Training for Auxiliary Operators - Revised to provide AO training on hanging and removing clearances and performing valve lineups.
12-18-80	X	6	PT 36.5 - Generator-Exciter Bearing Insulation Checks - Deleted the procedure which is replaced by MI-10-2AJ.
12-18-80	XII	0	MI-10-2AJ - Generator-Exciter Bearing Insulation Checks - Original issue.
12-18-80	X	3	PT 17.11F - Spare Plant Batteries - Provided upper and lower limits for voltage readings, incorporated the manufacturers recommendations and updated.
12-18-80	XII	1	MI-3-1AF - Rochester Millivolt Transmitter Model - C.S. 306 - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	1	MI-16-8 - Liquid Filling Procedure for Diaphragm Seals and Attachments - Revised the procedure format to that defined by CQA and ANSI N18.7.

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12-18-80	XII	1	MI-16-5 - LPRD Neutron I/V Curves GE Company Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	2	MI-11-9 - GE Balanced Current Relay Calibration for Model 121JC51B - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	1	MI-10-6F - Railroad Crossing Signals and Batteries - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	1	MI-3-3Q2 - Pressure Electric Switch JS #P-7221-1 - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	5	MI-3-6D - Moore Industries Signal Converter - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	2	MI-3-3A11 - E51-PS-N006 - Static O-Ring Model 6N-AA21-X9STT - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	3	MI-3-3F - Magnetrol Flow Switch Model F521 - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	2	MI-3-5P - Johnson T-4002 Room Thermostat - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	2	MI-3-31B - Magnetrol Flow Switch, SW-FSL-825, -834, -835 and -836 - Revised the procedure format to that defined by CQA and ANSI N18.7.
12-18-80	XII	4	MI-3-20C - Moore Industries DC Current Alarm Trip DCS Mod DCA/10-50 - Delete in its entirety; replaced by MI-3-3H2-2.
12-18-80	X	6	PT 2.1.9PC - RCIC Isolation Instrumentation - Substituted a transmutation and L&N thrice cell for greater accuracy and performance improvement.
12-18-80	X	1	PT 2.1.15PC - PCIS RWCU Space High Temperature and High Differential Temperature Channel Calibration and Functional

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			Test - Substituted a transmutation and L&N thrice cell for greater accuracy and performance improvement.
12-18-80	X	2	PT 2.1.27 - Primary and Secondary Containment Isolation System, Groups 2, 6, 7 and 8 - Revised the procedure to test parallel valves.
12-18-80	XII	1	MI-16-503 - Gate, Swing Check, Globe and Angle, Lift Check Valves, Pressure Seal and Bolted Bonnet Types - Delete in its entirety; replaced by individual procedures for each valve.
12-18-80	XII	0	MI-3-10B1 - ASCO Solenoid Valve Model 8321A6 - Original issue.
12-18-80	XII	0	MI-10-71 - Card Reader Performance Testing and Cleaning - Original issue.
12-18-80	XII	0	MI-10-7K - Preventive Maintenance - Security Television Monitors - Original issue.
12-18-80	XII	0	MI-3-2A13 - Ashcroft Pressure Indicators - Original issue.
12-18-80	XII	0	MI-10-7C - Security System Tamper Switch - Original issue.
12-18-80	XII	0	MI-3-2A16 - Ashcroft Pressure Gauge - Original issue.
12-18-80	XII	0	MI-3-6F3 - Sigma Instruments SVC-09 MA Converter 1-CAC-LY-2601-1 - Original issue.
12-18-80	XII	0	MI-3-10F1 - GE Relays RIP-PY-120Q through -1232 - Original issue.
12-18-80	XII	0	MI-3-55C - Steller Systems Dual and Single Zone Control Unit E-Field Perimeter Protection System - Original issue.
12-18-80	XII	0	MI-3-55B - RCA Model CCV-126A Camera Setup and Adjustments - Original issues.
12-18-80	XII	0	MI-3-3W7 - Allen Bradley Model 836 Pressure Switch - Original issue.
12-18-80	XII	0	MI-3-5R2 - Johnson Service Co. Model #T-9011 - Original issue.

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12-18-80	XII	0	MI-3-3E2 - Fenwall Temperature Indicating Controller Switch - Original issue.
12-18-80	XII	0	MI-3-23A - C32-PT-N005C, GE Type 556 - Original issue.
12-18-80	XII	0	MI-3-2B1-12 - E51-PI-R604, GE Type 180 Meter - Original issue.
12-18-80	XII	0	MI-3-3IB2 - SW-PS-136 - Barksdale Model D2T-M150SS-L6 Pressure Switch - Original issue.
12-18-80	XII	0	MI-3-3A41 - Barksdale Pressure Switch 1-MS-PSL-890 and 2-MS-PSL-890 - Original issue.
12-18-80	XII	0	MI-3-6F2 - Transmation - Type 230T Volt to MA Converter 2-CAC-LY-2601-1 - Original issue.
12-18-80	XII	0	MI-3-3IB3 - Barksdale Pressure Switches SW-PS-129, -271, -3213 and -3214 - Original issue.
12-18-80	XII	0	MI-3-2A17 - Ashcroft 0-60 PSI Gauges Make Up Demineralizer System - Original issue.
12-18-80	XII	0	MI-3-6Q1 - CAC-FY-2717-3 and -2720-3 Bailey Model #741 - Original issue.
12-18-80	XII	0	MI-3-315 - DG-LS-6562 (1 through 4) Norberg Level Switch - Original issue.
12-18-80	XII	0	MI-3-3W4 - Allen Bradley Model 836 Pressure Switch - Original issue.
12-18-80	XII	0	MI-3-21H - Rosemont Differential Pressure Transmitter Type Rosemont Model 1152DP7E22 and 0280PB - Original issue.
12-18-80	NA	0	SP-80-31 - Degraded Voltage Test, Unit No. 2 - Original issue.
12-19-80	XVIII	5	PN-18 - Special Work Authorization - Allows cable pulls through existing secondary containment penetrations when secondary containment is not required.
12-19-80	NA	0	SP-80-34 - Measures the Efficiency of the Instrument Air Dryers on the Service Air System - Original issue.

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12-24-80	XIX	3	FP-7 - General Fire Plan - Updated telephone numbers.
12-30-80	III	12	OP-6 - Radwaste - Added valves to the procedure that were added by Plant Modification 76-328.
12-31-80	VIII	2	RC&T-0120 - Routine/Special Airborne Radioactivity Survey - Added the locations of the continuous air monitors for post accident sampling.
12-31-80	I	3	SK-4 - Issuing of Materials and Tools - Added procedures for better control of weld rod, contaminated calibrated tools and metal working tools.
12-31-80	XVII	0	SI-19 - Safeguards Contingency Events - Original issue.
12-31-80	XVII	1	Safeguards Contingency Plan - Updated the plan and added items from SI-1, -2 and -17.
12-31-80	XVII	7	SI-1 - Bomb Threats - Delete in its entirety. Added to the Safeguards Contingency Plan.
12-31-80	XVII	7	SI-2 - Civil Disturbances - Delete in its entirety. Added to the Safeguards Contingency Plan.
12-31-80	SVII	4	SI-17 - Industrial Security Alerts - Delete in its entirety. Added to the Safeguards Contingency Plan.

MOD. NO.	BSEP FILE	COMPL.	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
80-061	5342	6-26-80	<p data-bbox="436 300 989 373">Additional Protected Area Station/Speakers</p> <p data-bbox="436 397 989 600">The purpose of this modification is to add public address systems (stations, speakers, etc.) to Unit No. 1 areas within the plant protected area to comply with NRC 12 Bulletin 79-18.</p> <p data-bbox="436 625 989 730">Public address system equipment will be added to the following plant areas:</p> <ol data-bbox="436 755 989 1445" style="list-style-type: none"> 1. Reactor Building Valve Room 20' elevation 2. Turbine Building Fan Filter Room elevation 55' 3. Turbine Building Steam Jet Air Ejector Rooms 4. Drywell-Reactor Building 5. Turbine Building - Main Steam Pipe Chase 6. Reactor Feed Pump Room 1A 7. Outside of RWCU Backwash Receiving Room 8. Room behind RWCU Backwash Receiving Room 9. RHR Heat Exchanger Rooms (N&S) 10. T.B. Deaerator and East Condenser 11. T.B. Fan Exhaust Room Elevation 45" 12. T.B. West Condenser Hotwell 	<p data-bbox="1010 300 1734 625">This modification installs additional P.A. speakers in order to ensure better audibility of the public address system. The system changes are being installed in accordance with all manufacturers recommendations thus assuring the proper operability of the system. Following installation, acceptance tests of the modification and routine tests of the system will ensure that the P.A. system functions properly.</p> <p data-bbox="1010 649 1734 909">Since the system does not interfere with other systems, it cannot impact the previous safety analysis performed for other equipment nor can it create an additional accident path. These changes do not affect our technical specifications and enhance our ability to ensure that evacuation alarms can be heard.</p>	Yes	No

MOD. NO.	BSEP FILE	COMPL.	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
79-275	4540	12-31-79	<p>Reactor Sample Isolation Valves <u>Logic Change</u></p> <p>This modification alters the control circuitry of the reactor water sample isolation valves such that they will not reopen automatically upon resetting of the primary containment isolation signal. This is accomplished by adding a control switch contact in the isolation logic so that the isolation relays for these two valves cannot be reset until the control switch for the valve is the "close" position. The local control switches at the reactor building sample panel are being defeated so that these valves may only be operated from the Control Room.</p>	<p>This modification affords safer operation by requiring deliberate operator intention to open these valves after they have isolated.</p>	Yes	No
78-069	5160	3-3-80	<p><u>Debris Filters</u></p> <p>This modification installs self-cleaning debris filters into each circulating water condenser inlet line just below the inlet condenser water boxes. These filters with a 3/8 inch diameter hole size will prevent any clogging of the one-inch condenser tubes. In addition to improving condenser efficiency and eliminating water box cleaning, the</p>	<p>The Circulating Water System is a non-safety related system. This modification installs debris filters into the circulating water-lines just prior to the water box.</p>	Yes	No

MOD. NO.	BSEP FILE	COMPL.	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
			<p>filters will eliminate tube failures due to erosion caused by tube blockages and allow future installation of an on-line condenser tube cleaning system. Installation of a tube cleaning system without the filters is not considered feasible because of a history of tube cleaning failures where tube blockage is a problem.</p> <p>The filter does not require continuous washing. When sufficient debris is accumulated, a high ΔP alarm common to all four filters will be annunciated in the Control Room. The particular filter with the high ΔP can be identified in the Control Room by the indicating lights on the RTGB. In addition to Control Room annunciation of the high ΔP condition, a local control panel located adjacent to the stator cooling skid provides local indicating lights for each filter in addition to a digital indicator which can be selected for each filter to determine actual ΔP.</p>			

UNIT NO. 1 SAFETY RELATED PLANT MODIFICATIONS - 1980

MOD. NO.	BSEP FILE	COMPL.	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
			<p>Initiation of the filter wash can be accomplished from the Control Room or the local control panel. In order to initiate the backwash, the control switch is selected to the proper filter. This will start an automatic sequence which will wash the filter and return the filter back to its initial lineup. Backwash can also be initiated from the local control panel.</p> <p>Backwashing is accomplished by rotating the filter's inlet butterfly valve position (initially in the 90° full open position) to its 45° open position which directs the flow tangentially around the filters inner screen. Part of the water is then directed out the backwash nozzle where a 24-inch butterfly valve has opened. This line is routed to the discharge tunnel. After a time delay, the inlet valve is rotated to the 135° open position which directs the flow tangentially across the screen in the opposite direction. After another time delay, the 24-inch backflush valve is returned to the closed position and the filter inlet valve is returned to the full open position.</p>			

MOD. NO.	BSEP FILE	COMPL. DATE	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
78-76	4540	7-2-80	<p><u>Recirculation Pump Trip</u></p> <p>This modification places breakers on the output of the RCR MG set generators. These breakers will trip the RCR pumps on a turbine trip or load reject as monitored by the control valve fast closure relays and stop valve closure relays. The purpose is to reduce the severity of the thermal transients on the fuel due to the above-mentioned transients by tripping the pump motors early in the events. The rapid core flow reduction increases void content, and thereby reduces reactivity in conjunction with the control rod scrams.</p>	<p>The Reactor Recirculation Pump Trip System (RPT) is designed to trip the recirculation pump motors from their power supply in response to a turbine/generator trip or load rejection.</p> <p>The function of the RPT System is to reduce the severity of thermal transients on fuel due to the above-mentioned transients. This is accomplished by tripping the recirculation pumps early in these events. The rapid core flow reduction increases void content, and thereby reduces reactivity in conjunction with the control rod scram.</p>	Yes	No
79-276	4540	1-3-80	<p><u>Reactor Sample Isolation Valves Logic Change</u></p> <p>This modification alters the control circuitry of the reactor water sample isolation valves such that they will not reopen automatically upon resetting of the primary containment isolation signal. This is accomplished by adding a control switch contact in the isolation logic so that the isolation relays for these two valves cannot be reset until the control switch for the valve is in the "close" position. The local control switches at the Reactor</p>	<p>This modification affords safer operation by requiring deliberate operator intention to open these valves after they have isolated.</p>	Yes	No

UNIT NO. 2 SAFETY RELATED PLANT MODIFICATIONS - 1980

MOD. NO.	BSEP FILE	COMPL.	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
80-17	4820	7-7-80	<p>Building sample are being defeated so that these valves may only be operated from the Control Room.</p> <p><u>Torus Level Instrumentation</u></p> <p>This modification package covers the work required to install two new instrument lines into the suppression chamber at the minus ten foot elevation for future use as wide range torus water level measurement, as required by NUREG-0578. The 1/2" lines pass through penetrations X225A and B alongside the existing 24" RHR suction pipes. A manual valve will be installed on the lines just outside the penetrations in the Reactor Building. The lines then terminate in a welded pipe cap. The opposite end of the line is open to the suppression chamber liquid. The torus must be empty of water to perform this work.</p>	<p>The two 1/2" penetrations through the existing 30" penetration sleeves have been engineered and will be installed to the standards for class 1B piping systems. NDE of all welds will verify structural integrity. The retest requirements of 10CFR50, Appendix J will be met with a type B and C leak rate test.</p>	Yes	No

UNIT NO. 2 SAFETY RELATED PLANT MODIFICATIONS - 1980

MOD. NO.	BSEP FILE	COMPL. DATE	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
80-059	5342	6-26-80	<p data-bbox="485 332 904 393">Additional Protected Area Stations/Speakers</p> <p data-bbox="485 430 1042 620">The purpose of this modification is to add public address systems (i.e., stations, speakers, etc.) to Unit No. 2 and common areas within the plant protected area to comply with NRC IE Bulletin 79-18.</p> <p data-bbox="485 657 995 750">Public address system equipment will be added to the following plant areas:</p> <ol data-bbox="485 782 1042 1485" style="list-style-type: none"> 1. Heater Drain Pump Room 2. Reactor Building Valve Room 20' elevation 3. Turbine Building Fan Filter Room 4. Turbine Building Steam Jet Air Ejector Rooms 5. South Turbine Bay Area 6. Diesel Generator Building 2' elevation 7. Ladies Rest Room - Service Building 8. Radwaste Pipe Tunnel 12' elevation 9. Turbine Building - Main Steam Pipe Chase 10. North End of Service Water Intake Structure 11. Outside of RWCU Backwash Receiving Room 12. Room behind RWCU Backwash Receiving Room 	<p data-bbox="1064 332 1808 873">This modification installs additional P.A. speakers in order to ensure better audibility of the public address system. The system changes are being installed in accordance with all manufacturer's recommendations thus assuring the proper operability of the system. Following installation, acceptance tests of the modification and routine tests of the system will ensure that the P.A. system functions properly. Since this system does not interface with other systems, it cannot impact the previous safety analyses performed for other equipment nor can it create an additional accident path. These changes do not affect our technical specifications and enhance our ability to ensure that evacuation alarms can be heard.</p>	Yes	No

MOD. NO.	BSEP FILE	COMPL. DATE	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
80-93	5071	7-17-80	<p>13. Clean Maintenance Shop 14. Service Building - S.E. Hallway</p> <p><u>Post-Accident Sample Station Drain to Torus</u></p> <p>This modification covers the outage related portion of the work required to install two new post-accident liquid and gaseous sample return lines through previously spare torus penetrations X209B-B and D. Existing caps will be removed from the inboard and outboard ends of the 1" penetration pipes. A manual globe valve with a nipple and cap welded to its outlet port will be installed on the outboard end of each pipe. The inboard end of each pipe will be left open to the torus, above the normal water level. The torus must be open for access to perform this work.</p> <p>The valves will be tagged closed upon completion of this plant modification. Plant Modification 80-29 will provide for installation of the required automatic containment isolation valves and the sample piping to connect these penetrations to the new post-accident sample station. At a later date, the caps will be removed from the valve outlet nipples and the</p>	<p>The valves, pipe and fittings to be installed per this PM have been engineered to, and will be installed to, the standards for Class 1B piping systems. NDE of all welds will verify structural integrity. The retest requirements of 10CFR50, Appendix J, will be met with a type C leak rate test.</p>	Yes	No

MOD. NO.	BSEP FILE	COMPL. DATE	TITLE/DESCRIPTION	SAFETY ANALYSIS	FSAR REV.	TECH. SPEC. REV.
80-217	2045	12-4-80	<p>installation directed by Plant Modification 80-29 can be accomplished without an outage.</p> <p><u>Centrifuge Flush Line Sight Glass Removal</u></p> <p>This modification is designed to replace flowglasses FG-2084, FG-2085, FG-2096 and FG-2098. These flowglasses are located on the centrifuge flush lines which utilize condensate water to remove solids from the lines. The intended design of these flowglasses is for visual inspection of the condensate flow. A recent rash of rupturing has occurred which is costly not only in cleanup efforts, but more importantly, a very dangerous safety hazard. This modification implements the removal of these flowglasses and the subsequent installation of spool pieces. The existing flowglasses are seldom used; therefore, operating efficiency will not be hindered and a safety hazard will be removed.</p>	<p>This modification does not create or increase the probability of occurrence, the consequences of an accident, or the malfunction of equipment important to safety, previously evaluated in the FSAR. The margin of safety is not reduced and no change in technical specifications is necessary. This modification will eliminate the possibility of flying glass due to rupturing.</p>	Yes	No