

Inter-Office Memorandum



Date May 8, 1979
TSG-155

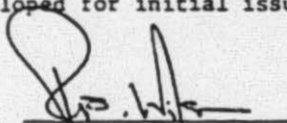
Subject Emergency and Special
Operating Procedures

To Distribution

Location TMI

Since March 29 a number of emergency and special operating procedures have been developed and put into place for Unit 2. Attached is a complete compilation of these procedures with their status as of 5/8/79. The status is broken down into four categories:

1. Approved procedures which have been reviewed and found to be applicable under current operating conditions.
2. Procedures previously approved but cancelled due to inapplicability.
3. Approved procedures but requiring update to reflect current plant conditions or new data.
4. Procedures currently being developed for initial issue.



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Attachments

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APPROVED PROCEDURES WHICH HAVE BEEN REVIEWED AND FOUND TO BE
APPLICABLE UNDER CURRENT OPERATING CONDITIONS

EP's

- EP-5, Rev. 1 - Loss of Letdown
- EP-12, Rev. 0 - Loss of Instrumentation for RCS Pressure
- EP-13, Rev. 0 - Loss of Inst. for RCS Temperature
- EP-19, Rev. 1 - RC-V2 Stuck Closed
- EP-20, Rev. 1 - RC-V137 Stuck Closed
- EP-22, Rev. 1 - Loss of Pzr. Temp. Indication
- EP-23, Rev. 0 - Loss of OTSG Pressure Indication
- EP-24, Rev. 0 - Responses to H₂ Recombiner Alarms
- EP-26, Rev. 0 - Action on RB Pressure Less than - 2 psig
- EP-34, Rev. 1 - Loss of Nat. Circulation

SOP's (Z Procedures)

- Z-1, Rev. 0 - Procedure for CF System Isolation Valve Prevent Close Interlock
- Z-2, Rev. 2 - Discharge of WDG-T 1A(B) to Rx Bldg.
- Z-3, Rev. 0 - Moveable Incore Detector Insertion/Withdrawal
- Z-4, Rev. 0 - Transfer of RCBT from TMI-2 to RCBT TMI-1
- Z-5, Rev. 1 - Sample WDG T-1B
- Z-6, Rev. 0 - Pressurizer Degas Procedure
- Z-7, Rev. 0 - Procedure for Leak Checking Recombiner Flanges
- Z-8, Rev. 0 - W-G System Troubleshooting
- Z-9, Rev. 3 - Sampling MU-T-1
- Z-10, Rev. 3 - Venting MU Tank Gas Space to Vent Header
- Z-11, Rev. 0 - Procedure for Leak Checking Spare Recombiner Flanges
- Z-12, Rev. 2 - H₂ Recombiner Operation
- Z-19, Rev. 0 - Replacement of HPR-219 and HPR-228 Filters
- Z-20, Rev. 0 - Reactor Building H₂ Sampling
- Z-29, Rev. 0 - Filling Boric Acid Mix Tank
- Z-30, Rev. 0 - Functional Test of Standby RCP's
- Z-31, Rev. 0 - Installation of Jog Control for DH-V4 A/B
- Z-32, Rev. 3 - Venting Make-Up Tank to RB
- Z-33, Rev. 0 - Water Sump Discharges to Ind. Waste Treatment & Filter System
- Z-34, Rev. 0 - Alternate Filling of the NaOH Tank
- Z-35, Rev. 0 - Waste Gas Decay Tank Pressure Remote Indication
- Z-36, Rev. 1 - Incore Thermocouple Noise
- Z-37, Rev. 1 - Alternate Pzr. Level Indication Gauge Installation
- Z-44, Rev. 1 - Incore Instrumentation
- Z-46, Rev. 0 - Sewage Disposal
- Z-50, Rev. 7 - Test of Alternate Pressurizer Level
- Z-51, Rev. 2 - Liquid Release from TMI
- Z-53, Rev. 0 - Reduction of Iodine Levels in Aux. Bldg. NaOH & Thio. Sol.
- Z-54, Rev. 0 - Increase Letdown Flow by Throttling ICCW Flow
- Z-56, Rev. 0 - Jog Control for IC-V1A/B
- Z-57, Rev. 3 - Pressure Reduction during DeGas
- Z-59, Rev. 0 - Transferring Secondary Water to Unit #1
- Z-61, Rev. 0 - Jog Control for RC-V2
- Z-64, Rev. 0 - NR-V51A/B Jog Control
- Z-65, Rev. 0 - Liquid Rad-Mon. Calibration
- Z-66, Rev. 0 - Rad. Mon. Calib. G-M Tube Area Monitors

SOP's (Cont.)

- Z-67, Rev. 0 - Atmos. Rad. Mon. Calib.
- Z-68, Rev. 0 - Incore Instr-Computer Input Mod.
- Z-69, Rev. 2 - Transfer of Misc. Waste to RCBT
- Z-70, Rev. 2 - RCS Sampling Manual
- Z-73, Rev. 0 - Alternate OTSG Level Indication
- Z-75, Rev. 0 - Increase Letdown Flow by Raising Letdown Cooler Temp & Bypassing Letdown Purification Demin.
- Z-76, Rev. 0 - WDL-P-15A Press. Switch and Control SW. Bypass
- Z-77, Rev. 0 - Repack or Add Packing to RR-PlA/B/C/D
- Z-80, Rev. 1 - PZR Heater Cable Dryout
- Z-81, Rev. 0 - Chemical and Radiochemical Sampling and Analysis Proced.
- Z-82, Rev. 0 - Alternate PZR Level Hydrotest
- Z-84, Rev. 0 - Installation of Temporary Isolation Transformers for Selected PZR Heaters
- Z-86, Rev. 0 - Transfer of MWHT to Concentrate Waste Tank
- Z-88, Rev. 0 - Power Range UIC Current Measurement
- Z-89, Rev. 1 - Operation of Vacuum Pump Discharge Filter
- Z-90, Rev. 0 - Fuel Handling Bldg. Roll Door Opening
- Z-93, Rev. 1 - RB Sump Level Measurement
- Z-95, Rev. 2 - RCS Sampling for Toal Gas (Manual)
- Z-96, Rev. 0 - Thermocouple Indication/Recording in Control Room
- Z-98, Rev. 0 - Aux. Bldg. Exhaust Filter(s) Changeout
- Z-99, Rev. 0 - Transfer of Unit II WDL-T-8 A/B to Neutralizer Feed Tank
- Z-104, Rev. 0 - Low Range T_H RC Outlet Indication
- Z-107, Rev. 0 - Test Method #2 for Alternate PZR LVL.
- Z-109, Rev. 0 - Eberline Stack Monitor Data Collection
- Z-111, Rev. 0 - Installation/Hydro Testing/Operation of FW System Bypass

Appendix 2

PROCEDURES PREVIOUSLY APPROVED BUT
CANCELLED DUE TO INAPPLICABILITY

EP's

- EP-1, Rev. 0 - Loss of RCP-1A
- EP-2, Rev. 0 - Loss of RCP-1A & 2A
- EP-3, Rev. 0 - Loss of all RCP's; Go to Natural Circulation
- EP-4, Rev. 0 - Loss of all RCP's and No Natural Circulation. Go to HPI
- EP-14, Rev. 0 - Loss of RCS Flow Indication

SOP's

- Z-45, Rev. 0 - Emergency Power Feed for Valves RC-V2 and RC-V137
- Z-49, Rev. 0 - Excure Detector Noise Analysis & Measurement
- Z-62, Rev. 0 - Alternate PZR Level Hydro Test
- Z-78, Rev. 0 - Blowdown of Misc. Waste Storage Tank Level Transmitter

Appendix 3

APPROVED PROCEDURES BUT REQUIRING UPDATE TO REFLECT
CURRENT PLANT CONDITIONS OR NEW DATA

EP's

- EP-6, Rev. 1 - RCP Seal Failure
- EP-7, Rev. 2 - Loss of Offsite Power
- EP-21, Rev. 5 - Total Loss of Pzr. Level Indication
- EP-29, Rev. 0 - Loss of Condenser Vacuum

SOP's

- Z-48, Rev. 1 - Cond. Pump Flow Test through the Emergency F.P.
- Z-63, Rev. 0 - Control of RCS Press. with Solid PZR

For all above procedures, the next higher revision number has been written and is in review circuit.

Appendix 4

PROCEDURES CURRENTLY BEING DEVELOPED
FOR INITIAL ISSUE

EP's

- EP-8, Rev. 0 - Loss of MUT Level
- EP-9, Rev. 0 - Loss of MU Pumps & HPI
- EP-15, Rev. 0 - Loss of OTSG Level Indication
- EP-16, Rev. 0 - Loss of Source Range Instrumentation
- EP-17, Rev. 0 - RC-V137 Stuck Open
- EP-18, Rev. 0 - RC-V2 Stuck Open
- EP-27, Rev. 0 - Site Evacuation
- EP-28, Rev. 0 - Control Room Evacuation
- EP-33, Rev. 0 - Core Cooling Without RCP's or Natural Circulation
- EP-35, Rev. 0 - Loss of Instrument Air and Service Air

SOP's

- Z-28, Rev. 0 - OTSG Level Control while Feeding through the Aux. Feed Nozzle
- Z-39, Rev. 0 - Natural Circulation Operation
- Z-58, Rev. 0 - CFT Float Solid Plant Operation - will be EP
- Z-87, Rev. 0 - Transition of A OTSG to Solid Water Mode
- Z-92, Rev. 0 - Calc. of Letdown Flow Rate Using MUT Mass Balance
- Z-103, Rev. 0 - Water/Water Cooling for "B" OTSG
- Z-108, Rev. 0 - Airborne Iodine and Particulate Sampling Method
- Z-110, Rev. 0 - Putting "B" OTSG in Solid Cooling Mode - will be EP
- Z-113, Rev. 0 - Temporary FW Bypass Operation & Installation on "B" OTSG
- Z-115, Rev. 0 - RCS Pressure Control Using a Decay Heat Removal Pump - will be EP

+ New Installed Systems