

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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AUTH. NAME: CONWAY, W.F. AUTHOR AFFILIATION: Florida Power & Light Co.  
 RECIP. NAME: Document Control Branch (Document Control Desk)

SUBJECT: Forwards summary of ref matl supplied to Region II for operator exams.

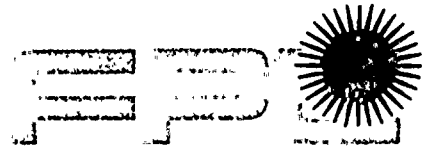
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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
Reference Material for Operator Exams

As requested by the NRC Region II Staff, reference materials from which reactor operator examinations could be developed were mailed on August 11, 1988 via air express. Please find attached the summary of material supplied to Region II.

Should there be any questions, please contact us.

Very truly yours,

  
W. F. Conway  
Senior Vice President - Nuclear

WFC/RG/gp

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator,  
Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

RGRMOE.LTR

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## SUMMARY OF REFERENCE MATERIAL

Reactor Theory Text

Thermodynamics, Heat Transfer, Fluid flow Text

Technical Specifications and  
O-ADM-021 Technical Specification Implementation Procedure

Unit 3 Plant Curve Book

Precautions, Limitations, and Setpoints Document

Special Instructions Book

Radiation Protection Manual and RWP Procedure

Transient and Accident Analysis Text

Mitigating Core Damage Text

Turkey Point Simulator Training Materials

Plant Drawings:

- Primary Systems
- Secondary Systems
- Logics
- Controls

Question Bank:

- Theory
- Thermodynamics
- Systems
- Procedures
- Emergency Operating Procedures
- Transient and Accident Analysis
- Mitigating Core Damage
- Technical Specifications

Procedure Training Objectives

Original and Upgrade Procedure Index

- \* Original Administrative Procedures
- \* Original Operating Procedures
- \* Original Off-Normal Operating Procedures
- \* Upgrade Administrative Procedures
- \* Upgrade Unit 3 and Common Operating Procedures
- \* Upgrade Unit 3 General Operating Procedures
- \* Upgrade Unit 3 and Common Off-Normal Operating Procedures
- \* Fuel Handling Procedures
- \* Annunciator Procedures
- \* Emergency Plan Implementing Procedures
- \* Unit 3 Emergency Operating Procedures
- \* Unit 3 Emergency Operating Procedures Basis Documents

\*System Descriptions

\* Detailed lists included on subsequent pages

**TURKEY POINT SIMULATOR TRAINING MATERIALS**

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- II- DESCRIPTION OF SIMULATOR GENERIC FAILURE CAPABILITIES
  - A- BREAKERS
  - B- VALVES
  - C- INSTRUMENTATION
- III- DESCRIPTION OF SIMULATOR FAILURE ACTIVATION
- IV- SIMULATOR MODELING PROBLEM LIST
- V- PERFORMANCE TEST FAILURE LIST
- VI- DIFFERENCES BETWEEN SIMULATOR AND REFERENCE PLANT
- VII- DEGRADED PRESSURE CONTROL & DEGRADED HEAT REMOVAL SCENARIOS
  - A- SAFETY INJECTION, STUCK OPEN SPRAY VALVES. 014A-I-P
  - B- A.T.W.S. WITH STUCK OPEN P.O.R.V.. 011D-I-P
  - C- R.H.R. OPERATION WITH MALFUNCTIONS. 005A-I-P
- VIII- SIMULATOR INSTRUCTOR FACILITY OPERATING MANUAL
- IX- HOT LICENSE CLASS 11 SIMULATOR TRAINING SCENARIOS
- X- TURKEY POINT SIMULATOR EVALUATION SCENARIOS
  - A- POWER ASCENSION FROM 35% POWER WITH INSTRUMENT FAILURES  
002A-I-E
  - B- SHUTDOWN FROM 100% POWER WITH SECONDARY MALFUNCTIONS  
003B-I-E
  - C- LOSS OF R.H.R. COOLING  
005A-I-E
  - D- INADVERTANT REACTOR TRIP. UV COIL FAILURE  
010-I-E
  - E- SMALL BREAK LOSS OF COOLANT ACCIDENT WITH A.T.W.S.  
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  - H- STEAM GENERATOR TUBE RUPTURE  
013A-I-E
  - I- LOW PRESSURIZER PRESSURE SAFETY INJECTION. SPRAY VALVES  
014A-I-E
  - J- REACTOR TRIP DUE TO LOSS OF MAIN FEEDWATER PUMPS  
018B-I-E

ORIGINAL ADMINISTRATIVE PROCEDURES

AP	0103.2	5/26/88	Responsibilities of Operators and Shift Technicians on Shift and Maintenance of Operating Logs and Records
AP	0103.4	5/24/88	In Plant Equipment Clearance Orders
AP	0103.7	11/24/87	Reports Required by Technical Specifications and 10 CFR
AP	0103.8	4/7/88	Reactor Shutdown Rate Time Limits
AP	0103.12	4/19/88	Notification of Significant Events to NRC
AP	0103.32	6/8/88	Reactor Cold Shutdown Conditions
AP	0103.36	3/10/87	Control of Operator Aids and Temporary Information tags
AP	0103.41	12/11/86	Caution Tag Clearance Procedure
AP	0109.3	5/26/88	On the Spot Changes to Procedures
AP	0109.6	8/4/87	Temporary Procedures

ORIGINAL OPERATING PROCEDURES

OP	0204.2	5/26/88	Periodic Tests, Checks, and Operating Evolutions
OP	1009.1	10/24/87C	Estimated Critical Conditions
OP	1009.3	2/17/87	Shutdown Margin Calculation
OP	1009.4	5/26/88	Operation Within Flux Difference Target Band
OP	4304.3	4/12/88	Emergency Diesel Generator - Eight Hour Full Load Test and Load Rejection
OP	4304.5	11/24/87	Engineered Safety Feature (ESF) Equipment Operability Verification with an Emergency Diesel Generator Inoperable
OP	5163.2	3/16/88	Waste Disposal System - Controlled Liquid Release to the Circulating Water
OP	5523.1	4/26/88C	Waste Disposal System - Gas Decay Tank, Controlled Release to Atmosphere
OP	14004.8	4/29/86	Use of the QSPDS - Inadequate Core Cooling Monitor

ORIGINAL OFF-NORMAL OPERATING PROCEDURES

ONOP	0208.14	5/31/88	Deviation or Failure of Reactor Protection and Safety Related Hagan Instrumentation Channels
ONOP	1108.1	10/22/87	Reactor Coolant Pump Off-Normal Conditions
ONOP	1208.1	7/24/86	Pressurizer Power Operated Relief System - (Reliefs and MOV's) - Malfunction
ONOP	1568.1	4/7/88	Secondary Chemistry - Operator Actions in the Event of Deviation from Limits
ONOP	2608.2	5/26/88	CVCS - Malfunction of Boron Concentration Control System
ONOP	3108.2	11/27/85	High Activity in Component Cooling Water
ONOP	3208.1	5/5/88	Malfunction of Residual Heat Removal System
ONOP	3308.1	4/19/88	Turbine Plant Cooling Water Malfunction
ONOP	3408.1	5/26/88	Intake Cooling Water - Malfunction
ONOP	3408.2	8/19/86	Intake Cooling Water - Failure Due to Transport of Heavy Loads
ONOP	5168.5	7/31/86	Waste Holdup Tank-Pump Back System
ONOP	5508.2	4/7/87	WDS - Off Normal Operation, Gaseous Waste Disposal System
ONOP	7308.1	3/17/88	Malfunction of the Auxiliary Feedwater System
ONOP	8608.1	4/9/87	Generator Radio Frequency Monitor (Unit 4 Only)
ONOP	9108.1	7/28/86	Main Transformer - Malfunction
ONOP	9208.1	10/30/86	Auxiliary Transformer - Malfunction
ONOP	9308.1	10/7/86	Startup Transformer - Malfunction
ONOP	9308.2	4/9/87	"C" Bus Transformer - Malfunction
ONOP	9408.1	2/10/88	Loss of "A" or "B" 4KV Bus
ONOP	9408.2	6/9/87	Energizing 4KV Buses Using the Cranking Diesels Bus Tie Lines or Startup Transformer from the Opposite Unit
ONOP	9408.3	6/9/87	Loss of Voltage to "C" 4160 Volt Bus
ONOP	9608.1	2/2/88	125 V DC System - Location of Grounds
ONOP	9608.2	10/30/86	Auxiliary 125V DC System - Location of Grounds
ONOP	10308.1	6/6/88	Control Building Heating Ventilation and Air Conditioning System (HVAC)
ONOP	11108.1	6/6/88	Process Radiation Monitor - Off-Normal Condition Operation
ONOP	11208.1	5/28/87	Area Radiation Monitoring System (ARMS) Off-Normal Operation
ONOP	12308.2	10/22/87	Power Range Nuclear Instrumentation Verification of Upper, Lower, and Channel Deviation Alarms
ONOP	15608.2	10/27/87	Instrument Air Dryer Malfunction
ONOP	16708.1	7/24/86	Spent Fuel Cask Emergency Cooling

UPGRADE ADMINISTRATIVE PROCEDURES

0-ADM-031	4/26/88	Independent Verification
0-ADM-201	3/16/88	Upgrade Operations Procedure Usage
0-ADM-207	5/12/88	Operations Instructions in the Event of a Situation Not Addressed by Procedure
0-ADM-503	2/9/88	Control and Use of Temporary System Alterations





# UPGRADE UNIT 3 AND COMMON OPERATING PROCEDURES

0-OP-003.1	6/7/88	125V Vital DC System
0-OP-003.2	8/26/86	125V Auxiliary DC System
0-OP-003.3	4/7/88	120V Vital Instrument AC System
0-OP-003.4	10/21/86	Auxiliary 120V AC System
3-OP-005	4/7/88	4160 Volt Buses A and B
3-OP-005.1	3/8/88	4160 Volt Bus C
3-OP-006	3/29/88	480 Volt Switchgear System
3-OP-007	4/27/88	480 Volt Motor Control Centers
3-OP-008	4/26/88	Turbine Plant Cooling Water
3-OP-013	10/26/87	Instrument Air System
3-OP-019	5/20/88	Intake Cooling Water System
0-OP-023	6/7/88	Emergency Diesel Generator
0-OP-025	6/6/88	Control Room Ventilation System
3-OP-030	10/16/87	Component Cooling Water System
3-OP-038.23	9/24/87	Fuel Transfer System.- Normal Operation
3-OP-041.1	3/11/88	Reactor Coolant Pump
3-OP-041.2	12/23/87	Pressurizer Operation
3-OP-041.3	4/5/88	Pressurizer Relief Tank
3-OP-041.4	11/20/86	Overpressure Mitigating System
3-OP-041.7	4/24/88	Draining the Reactor Coolant System
3-OP-041.8	2/4/88	Filling and Venting the Reactor Coolant System
0-OP-046	5/24/88	CVCS - Boron Concentration Control
3-OP-047	4/27/88	CVCS - Charging and Letdown
0-OP-048	5/5/88	Heat Tracing System
3-OP-050	5/13/88	Residual Heat Removal System
0-OP-051.2	7/18/87	Post Accident Containment Vent System
0-OP-053	4/29/88	Containment Purge System
3-OP-055	10/28/86	Emergency Containment Cooling and Filtering System
3-OP-057	12/30/87	Containment Normal Ventilation and Cooling System
3-OP-061.3	2/2/88	Reactor Coolant Drain Tank
3-OP-062	3/17/88	Safety Injection
3-OP-064	5/26/88	Safety Injection Accumulators
3-OP-067	5/12/88	Process Radiation Monitoring System
3-OP-068	4/7/88	Containment Spray System
3-OP-071	3/8/88	Steam Generator Blowdown Recovery System
3-OP-072	3/25/88	Main Steam System
3-OP-073	06/16/88	Condensate System
0-OP-074.1	3/30/88	Standby S/G Feedwater System
3-OP-075	9/18/87	Auxiliary Feedwater System
3-OP-087	1/6/88	Turbine Lube Oil System
3-OP-089	3/28/88	Main Turbine
3-OP-094	7/2/87	Containment Post Accident Monitoring Systems

UPGRADE UNIT 3 GENERAL OPERATING PROCEDURES

3-GOP-103	4/12/88	Power Operation to Hot Standby
3-GOP-301	5/20/88	Hot Standby to Power Operation
3-GOP-305	6/8/88	Hot Standby to Cold Shutdown
3-GOP-503	06/16/88	Cold Shutdown to Hot Standby

UPGRADE UNIT 3 AND COMMON OFF-NORMAL OPERATING PROCEDURES

0-QNOP-003.4	1/12/88	Loss of DC Bus 3D23 (4D23)
0-QNOP-003.5	12/23/87	Loss of DC Bus 3D01 (4D01)
3-QNOP-003.6	5/12/87	Loss of 120V Vital Instrument Panel 3P06
3-QNOP-003.7	10/28/86	Loss of 120V Vital Instrument Panel 3P07
3-QNOP-003.8	1/12/88	Loss of 120V Vital Instrument Panel 3P08
3-QNOP-003.9	5/12/87	Loss of 120V Vital Instrument Panel 3P09
3-QNOP-004	5/26/88	Loss of Offsite Power
3-QNOP-004.1	3/18/86	Restoration of Electrical Systems Following the Recovery of Offsite Power
0-QNOP-013	11/3/87	Loss of Instrument Air
3-QNOP-014	6/18/87	Main Condenser Loss of Vacuum
0-QNOP-016.2	10/30/86	Response to Spurious Actuation of a Fire/Isolation Damper
0-QNOP-016.7	4/10/86	Screen Wash Emergency Makeup to the Fire Protection System
0-QNOP-016.8	4/7/88	Response to a Fire/Smoke Detection System Alarm
3-QNOP-028	4/7/88	Reactor Control System Malfunction
3-QNOP-030	05/26/88	Loss of Component Cooling Water
3-QNOP-033.1	2/11/88	Spent Fuel Pit (SFP) Cooling System Malfunction
3-QNOP-033.2	3/10/87	Refueling Cavity Seal Failure
3-QNOP-033.3	6/6/88	Accidents Involving New or Spent Fuel
3-QNOP-038.1	9/15/87	Fuel Transfer System Manual/Emergency Operation
3-QNOP-041.3	10/28/86	Excessive Reactor Coolant System Leakage
3-QNOP-041.4	11/22/85	Excessive Reactor Coolant System Activity
3-QNOP-041.5	1/14/86	Pressurizer Pressure Control Malfunction
3-QNOP-041.6	11/27/85	Pressurizer Level Control Malfunction
3-QNOP-046.1	11/22/85	Emergency Boration
3-QNOP-047.1	2/25/88	Loss of Charging Flow in Modes 1 Through 3
0-QNOP-048	2/11/88	Off-Normal Critical Heat Tracing System Temperature
3-QNOP-049	5/20/88	Re-energizing Safeguard Racks After Loss of Single Power Supply
3-QNOP-050	4/26/88	Loss of RHR
3-QNOP-053	10/28/86	Loss of Containment Integrity
3-QNOP-059.4	1/15/88	Excessive Axial Flux Difference
3-QNOP-059.5	2/25/88	Source Range Nuclear Instrumentation Malfunction
3-QNOP-059.6	5/11/88	Backup NIS (Gamma Metrics) Malfunction
3-QNOP-059.7	2/25/88	Intermediate Range Nuclear Instrumentation Malfunction
3-QNOP-059.8	3/11/88	Power Range Nuclear Instrumentation Malfunction
3-QNOP-067	6/6/88	Inadvertent Release of Radioactive Gas
3-QNOP-071	4/27/88	Steam Generator Tube Leak
0-QNOP-074.1	12/4/87	Standby Steam Generator Feedwater System Operation With Loss of Offsite Power and Loss of Auxiliary Feedwater
3-QNOP-089	8/6/87	Turbine Runback
3-QNOP-094	8/16/85	Alternative Methods for Containment Post Accident Monitoring
3-QNOP-100	3/28/88	Fast Load Reduction
0-QNOP-103	2/9/88	Control Room Inaccessibility



FUEL HANDLING PROCEDURES

OP	16000.1	10/27/87	Limitations and Precautions for Handling Fuel Assemblies
OP	16200	10/27/87	Manipulator Crane - Operating Instructions



# ANNUNCIATOR PROCEDURES

ONOP	0208.3	10/28/86	Annunciator List - Panel A - Reactor Coolant
ONOP	0208.4	12/23/86	Annunciator List - Panel B - Reactor Panel
ONOP	0208.5	10/30/86	Annunciator List - Panel C - Steam Generator and Reactor Trips
ONOP	0208.6	8/18/87	Annunciator List - Panel D - Condensate and Feedwater
ONOP	0208.7	1/27/87	Annunciator List - Panel E - Turbine Generator
ONOP	0208.8	9/22/87	Annunciator List - Panel F - Electrical
ONOP	0208.9	3/17/87	Annunciator List - Panel G - Miscellaneous
ONOP	0208.10	6/16/87	Annunciator List - Panel H - Safety Injection and Auxiliary
ONOP	0208.11	9/10/87	Annunciator List - Panel I - Station Service
ONOP	0208.12	9/3/87	Annunciator List - Panel X - Common
ONOP	0208.13	09/10/87	Annunciator List - Waste/Boron Panels
ONOP	0208.15	7/29/82	Annunciator - General
ONOP	0208.16	10/15/87	Annunciator List - Panel J - Auxiliary Electrical Power
ONOP	0208.18	3/17/87	Annunciator List - Condensate Polishing System Panel
ONOP	0208.19	8/22/84	Annunciator List - Process Control Panel-C-46



# EMERGENCY PLAN IMPLEMENTING PROCEDURES

EP	20101	12/4/87	Duties of Emergency Coordinator
EP	20102	11/24/87	Duties of an Individual Who Discovers an Emergency Condition
EP	20104	11/17/87	Duty Call Notifications/Staff Augmentation
EP	20105	2/18/88	Emergency Response Facilities
EP	20106	4/22/86	Natural Emergencies
EP	20107	12/9/86	Fire/Explosion Emergencies
EP	20109	2/18/88	Criteria For, and Conduct of Local Evacuations
EP	20110	2/18/88	Criteria For, and Conduct of Owner Controlled Area Evacuation
EP	20111	10/30/86	Re-entry
EP	20112	1/28/88	Communications Network
EP	20125	5/11/88	On-Site Emergency Organization
EP	20126	05/11/88	Off-Site Dose Calculations

### UNIT 3 EMERGENCY OPERATING PROCEDURES

3-EOP-E-0	6/8/88	Reactor Trip or Safety Injection
3-EOP-E-1	3/16/88	Loss of Reactor or Secondary Coolant
3-EOP-E-2	9/3/86	Faulted Steam Generator Isolation
3-EOP-E-3	3/25/88	Steam Generator Tube Rupture
3-EOP-ECA-0.0	4/16/87	Loss of All AC Power
3-EOP-ECA-0.1	7/28/86	Loss of All AC Power Recovery Without SI Required
3-EOP-ECA-0.2	6/16/87	Loss of All AC Power Recovery With SI Required
3-EOP-ECA-1.1	6/17/87	Loss of Emergency Coolant Recirculation
3-EOP-ECA-1.2	3/31/86	LOCA Outside Containment
3-EOP-ECA-2.1	3/16/88	Uncontrolled Depressurization of All Steam Generators
3-EOP-ECA-3.1	3/16/88	SGIR With Loss of Reactor Coolant-Subcooled Recovery Desired
3-EOP-ECA-3.2	3/16/88	SGIR With Loss of Reactor Coolant-Saturated Recovery Desired
3-EOP-ECA-3.3	3/16/88	SGIR Without Pressurizer Pressure Control
3-EOP-ES-0.0	3/16/88	Radiagnosis
3-EOP-ES-0.1	3/16/88	Reactor Trip Response
3-EOP-ES-0.2	6/8/88	Natural Circulation Cooldown
3-EOP-ES-0.3	6/8/88	Natural Circulation Cooldown With Steam Void in With RVIMS (QSPDS)
3-EOP-ES-0.4	6/8/88	Natural Circulation Cooldown With Steam Void in Vessel (Without RVIMS)
3-EOP-ES-1.1	3/16/88	SI Termination
3-EOP-ES-1.2	3/16/88	Post LOCA Cooldown and Depressurization
3-EOP-ES-1.3	3/16/88	Transfer to Cold Leg Recirculation
3-EOP-ES-1.4	3/16/88	Transfer to Hot Leg Recirculation
3-EOP-ES-3.1	3/25/88	Post-SGIR Cooldown Using Backfill
3-EOP-ES-3.2	3/25/88	Post-SGIR Cooldown Using Blowdown
3-EOP-ES-3.3	3/25/88	Post-SGIR Cooldown Using Steam Dump
3-EOP-F-0	1/7/87	Critical Safety Function Status Trees
3-EOP-FR-C.1	3/29/88	Response to Inadequate Core Cooling
3-EOP-FR-C.2	6/16/87	Response to Degraded Core Cooling
3-EOP-FR-C.3	6/16/87	Response to Saturated Core Cooling
3-EOP-FR-H.1	6/16/87	Response to Loss of Secondary Heat Sink
3-EOP-FR-H.2	3/31/86	Response to Steam Generator Overpressure
3-EOP-FR-H.3	3/31/86	Response to Steam Generator High Level
3-EOP-FR-H.4	3/31/86	Response to Loss of Normal Steam Release Capabilities
3-EOP-FR-H.5	3/31/86	Response to Steam Generator Low Level
3-EOP-FR-I.1	3/31/86	Response to High Pressurizer Level
3-EOP-FR-I.2	3/31/86	Response to Low Pressurizer Level
3-EOP-FR-I.3	3/31/86	Response to Voids in Reactor Vessel
3-EOP-FR-P.1	3/31/86	Response to Imminent Pressurizer Thermal Shock Condition
3-EOP-FR-P.2	3/31/86	Response to Anticipated Pressurized Thermal Shock Condition
3-EOP-FR-S.1	1/7/87	Response to Nuclear Power Generation/ATWS
3-EOP-FR-S.2	4/5/86	Response to Loss of Core Shutdown
3-EOP-FR-Z.1	7/18/87	Response to High Containment Pressure
3-EOP-FR-Z.2	3/31/86	Response to Containment Flooding
3-EOP-FR-Z.3	3/31/86	Response to High Containment Radiation Level



# UNIT 3 EMERGENCY OPERATING PROCEDURES BASIS DOCUMENTS

3-BD-EOP-E-0	8/15/86	Reactor Trip or Safety Injection
3-BD-EOP-E-1	3/29/88	Loss of Reactor or Secondary Coolant
3-BD-EOP-E-2	3/29/88	Faulted Steam Generator Isolation
3-BD-EOP-E-3	3/29/88	Steam Generator Tube Rupture
3-BD-EOP-ECA-0.0	3/29/88	Loss of All AC Power
3-BD-EOP-ECA-0.1	7/28/86	Loss of All AC Power Recovery Without SI Required
3-BD-EOP-ECA-0.2	7/28/86	Loss of All AC Power Recovery With SI Required
3-BD-EOP-ECA-1.1	3/31/88	Loss of Emergency Coolant Recirculation
3-BD-EOP-ECA-1.2	3/31/86	LOCA Outside Containment
3-BD-EOP-ECA-2.1	4/5/86	Uncontrolled Depressurization of All Steam Generators
3-BD-EOP-ECA-3.1	6/16/87	SGTR With Loss of Reactor Coolant-Subcooled Recovery
3-BD-EOP-ECA-3.2	3/29/88	SGTR With Loss of Reactor Coolant-Saturated Recovery Desired
3-BD-EOP-ECA-3.3	3/31/86	SGTR Without Pressurizer Pressure Control
3-BD-EOP-ES-0.0	3/31/86	Radiagnosis
3-BD-EOP-ES-0.1	8/11/87	Reactor Trip Response
3-BD-EOP-ES-0.2	1/7/87	Natural Circulation Cooldown
3-BD-EOP-ES-0.3	2/10/88	Natural Circulation Cooldown With Steam Void in Vessel With RVLMS (QSPDS)
3-BD-EOP-ES-0.4	2/10/88	Natural Circulation Cooldown With Steam Void in Vessel (Without RVLMS)
3-BD-EOP-ES-1.1	4/5/86	SI Termination
3-BD-EOP-ES-1.2	4/5/86	Post LOCA Cooldown and Depressurization
3-BD-EOP-ES-1.3	5/26/87	Transfer to Cold Leg Recirculation
3-BD-EOP-ES-1.4	5/26/87	Transfer to Hot Leg Recirculation
3-BD-EOP-ES-3.1	3/31/86	Post-SGTR Cooldown Using Backfill
3-BD-EOP-ES-3.2	3/31/86	Post-SGTR Cooldown Using Blowdown
3-BD-EOP-ES-3.3	3/31/86	Post-SGTR Cooldown Using Steam Dump
3-BD-EOP-F-0	3/31/86	Critical Safety Function Status Trees
3-BD-EOP-FR-C.1	3/31/86	Response to Inadequate Core Cooling
3-BD-EOP-FR-C.2	3/31/86	Response to Degraded Core Cooling
3-BD-EOP-FR-C.3	3/31/86	Response to Saturated Core Cooling
3-BD-EOP-FR-H.1	3/31/86	Response to Loss of Secondary Heat Sink
3-BD-EOP-FR-H.2	3/31/86	Response to Steam Generator Overpressure
3-BD-EOP-FR-H.3	3/31/86	Response to Steam Generator High Level
3-BD-EOP-FR-H.4	3/31/86	Response to Loss of Normal Steam Release Capabilities
3-BD-EOP-FR-H.5	3/31/86	Response to Steam Generator Low Level
3-BD-EOP-FR-I.1	3/31/86	Response to High Pressurizer Level
3-BD-EOP-FR-I.2	3/31/86	Response to Low Pressurizer Level
3-BD-EOP-FR-I.3	3/31/86	Response to Voids in Reactor Vessel
3-BD-EOP-FR-P.1	3/31/86	Response to Imminent Pressurizer Thermal Shock Condition
3-BD-EOP-FR-P.2	3/31/86	Response to Anticipated Pressurized Thermal Shock Condition
3-BD-EOP-FR-S.1	3/31/86	Response to Nuclear Power Generation/ATWS
3-BD-EOP-FR-S.2	3/31/86	Response to Loss of Core Shutdown
3-BD-EOP-FR-Z.1	3/31/86	Response to High Containment Pressure
3-BD-EOP-FR-Z.2	3/31/86	Response to Containment Flooding
3-BD-EOP-FR-Z.3	3/31/86	Response to High Containment Radiation Level



**TURKEY POINT NUCLEAR TRAINING DEPARTMENT**  
**SYSTEM DESCRIPTIONS**

<b>SD No.</b>	<b>Rev. No.</b>	<b>TITLE</b>
2	3	Reactor Vessel and Internals
3	1	Incore Instrumentation
4	2	Excore Nuclear Instrumentation
5	3	Full length Rod Control
6	1	Rod Position Indication System
7	2	Reactor Coolant System
8	1	Reactor Coolant Pumps
9	1	Pressurizer and Relief System
11	2	Steam Generator
13	2	Chemical & Volume Control System
21	4	Emergency Core Cooling System
25	2	Containment Spray
26	1	Containment Building
28	1	Containment Post Accident Monitoring & Post Accident Sampling System
29	3	Containment Ventilation and Heat Removal Systems
40	1	Component Cooling Water
41	1	Fuel Pool Cooling, Purification and Ventilation System
44	2	Fuel Handling System
46	1	Primary Sampling System
48	1	Primary Makeup and Demineralized Water Systems
50	1	Gaseous Waste Disposal System
63	2	Reactor Protection and Safeguards Actuation System
68	3	Radiation Monitoring and Protection
90	1	Electrical Heat Tracing System

**TURKEY POINT NUCLEAR TRAINING DEPARTMENT**  
**SYSTEM DESCRIPTIONS**

SD No.	Rev. No.	TITLE
102	1	Steam Generator Blowdown System
104	3	Main and Extraction Steam System
105	1	Steam Dump System
106	1	Auxiliary Steam & Condensate Recovery
111	2	Feedwater Heater Vents and Drain Systems
112	3	Condensate and Feedwater Systems
117	6	Auxiliary Feedwater System
121	3	Water Treatment Plant
123	1	Condenser and Circulating Water System
127	1	Main Turbine Control
130	4	Turbine, Turbine Oil, and Gland Seal Systems
132	1	Turbine Plant Cooling Water System
137	2	Emergency Diesel Generator and Auxiliaries
139	1	Main Generator and Controls
140	1	Main Power Distribution
144	2	120 VAC & 125 VDC Distribution System
152	2	Communications System and Network
153	3	Fire and Service Water
155	2	Plant Air Systems
160	1	Screen Wash and Intake Structure
165	2	Intake Cooling Water
166	1	Ventilation System and Air Conditioning
170	2	Emergency Load Sequencer/Bus Stripping
174	1	Lube Water System
176	1	Fire Protection and Alarm System

