

MANUAL HARD COPY DISTRIBUTION  
DOCUMENT TRANSMITTAL 2021-10094

---

USER INFORMATION:

GERLACH\*ROSEY M            EMPL#:028401    CA#: 0363  
Address: NUCSA2  
Phone#: 542-3194

TRANSMITTAL INFORMATION:

TO:        GERLACH\*ROSEY M            06/24/2021

LOCATION:    USNRC

FROM:    NUCLEAR RECORDS DOCUMENT CONTROL CENTER (NUCSA-2)

THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY OR ELECTRONIC MANUAL ASSIGNED TO YOU. HARDCOPY USERS MUST ENSURE THE DOCUMENTS PROVIDED MATCH THE INFORMATION ON THIS TRANSMITTAL. WHEN REPLACING THIS MATERIAL IN YOUR HARDCOPY MANUAL, ENSURE THE UPDATE DOCUMENT ID IS THE SAME DOCUMENT ID YOU'RE REMOVING FROM YOUR MANUAL. TOOLS FROM THE HUMAN PERFORMANCE TOOL BAG SHOULD BE UTILIZED TO ELIMINATE THE CHANCE OF ERRORS.

ATTENTION: "REPLACE" directions do not affect the Table of Contents, Therefore no TOC will be issued with the updated material.

TRM1 - TECHNICAL REQUIREMENTS MANUAL UNIT 1

REMOVE MANUAL TABLE OF CONTENTS    DATE: 06/22/2021

ADD        MANUAL TABLE OF CONTENTS    DATE: 06/23/2021

CATEGORY: DOCUMENTS    TYPE: TRM1

ADD  
NRR

ID: TEXT 3.8.2.2  
ADD: REV: 3

REMOVE: REV:2

CATEGORY: DOCUMENTS TYPE: TRM1  
ID: TEXT B3.8.2.2  
ADD: REV: 2

REMOVE: REV:1

ANY DISCREPANCIES WITH THE MATERIAL PROVIDED, CONTACT DCS @ X3171 OR X3194 FOR ASSISTANCE. UPDATES FOR HARDCOPY MANUALS WILL BE DISTRIBUTED WITHIN 3 DAYS IN ACCORDANCE WITH DEPARTMENT PROCEDURES. PLEASE MAKE ALL CHANGES AND ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX UPON COMPLETION OF UPDATES. FOR ELECTRONIC MANUAL USERS, ELECTRONICALLY REVIEW THE APPROPRIATE DOCUMENTS AND ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX.

# SSFS MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

## Table Of Contents

Issue Date: 06/23/2021

<u>Procedure Name</u>	<u>Rev</u>	<u>Issue Date</u>	<u>Change ID</u>	<u>Change Number</u>
TEXT LOES Title: LIST OF EFFECTIVE SECTIONS	96	01/03/2019		
TEXT TOC Title: TABLE OF CONTENTS	27	03/05/2019		
TEXT 1.1 Title: USE AND APPLICATION DEFINITIONS	1	01/31/2014		
TEXT 2.1 Title: PLANT PROGRAMS AND SETPOINTS PLANT PROGRAMS	2	04/28/2015		
TEXT 2.2 Title: PLANT PROGRAMS AND SETPOINTS INSTRUMENT TRIP SETPOINT TABLE	10	01/31/2014		
TEXT 3.0 Title: TECHNICAL REQUIREMENT FOR OPERATION (TRO) APPLICABILITY & SURVEILLANCE (TRS) APPLICABILITY	7	03/18/2021		
TEXT 3.1.1 Title: REACTIVITY CONTROL SYSTEMS ANTICIPATED TRANSIENT WITHOUT SCRAM ALTERNATE ROD INJECTION (ATWS-ARI) INSTRUMENTATION	1	11/09/2007		
TEXT 3.1.2 Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD DRIVE (CRD) HOUSING SUPPORT	0	11/18/2002		
TEXT 3.1.3 Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD BLOCK INSTRUMENTATION	6	12/18/2017		
TEXT 3.1.4 Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD SCRAM ACCUMULATORS INSTRUMENTATION & CHECK VALVE	1	10/12/2020		
TEXT 3.2.1 Title: CORE OPERATING LIMIST REPORT (COLR)	20	04/07/2020		

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.3.1	0	11/18/2002	Title: INSTRUMENTATION RADIATION MONITORING INSTRUMENTATION
TEXT 3.3.2	3	03/31/2011	Title: INSTRUMENTATION SEISMIC MONITORING INSTRUMENTATION
TEXT 3.3.3	2	11/09/2007	Title: INSTRUMENTATION METEOROLOGICAL MONITORING INSTRUMENTATION
TEXT 3.3.4	11	06/29/2017	Title: INSTRUMENTATION TRM POST-ACCIDENT MONITORING INSTRUMENTATION
TEXT 3.3.5	0	11/18/2002	Title: INSTRUMENTATION THIS PAGE INTENTIONALLY LEFT BLANK
TEXT 3.3.6	5	03/05/2019	Title: INSTRUMENTATION TRM ISOLATION ACTUATION INSTRUMENTATION
TEXT 3.3.7	2	11/10/2015	Title: INSTRUMENTATION MAIN TURBINE OVERSPEED PROTECTION SYSTEM
TEXT 3.3.8	1	10/22/2003	Title: INSTRUMENTATION INTENTIONALLY LEFT BLANK
TEXT 3.3.9	3	04/17/2008	Title: OPRM INSTRUMENTATION CONFIGURATION
TEXT 3.3.10	1	12/14/2004	Title: INSTRUMENTATION REACTOR RECIRCULATION PUMP MG SET STOPS
TEXT 3.3.11	1	10/22/2003	Title: INSTRUMENTATION MVP ISOLATION INSTRUMENTATION
TEXT 3.3.12	2	04/02/2019	Title: WATER MONITORING INSTRUMENTATION

# SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.4.1	1	04/26/2006	Title: REACTOR COOLANT SYSTEM REACTOR COOLANT SYSTEM CHEMISTRY
TEXT 3.4.2	1	04/16/2009	Title: REACTOR COOLANT SYSTEM INTENTIONALLY LEFT BLANK
TEXT 3.4.3	1	11/09/2007	Title: REACTOR COOLANT SYSTEM HIGH/LOW PRESSURE INTERFACE LEAKAGE MONITORS
TEXT 3.4.4	2	04/17/2008	Title: REACTOR COOLANT SYSTEM REACTOR RECIRCULATION FLOW AND ROD LINE LIMIT
TEXT 3.4.5	1	04/26/2006	Title: REACTOR COOLANT SYSTEM REACTOR VESSEL MATERIALS
TEXT 3.4.6	2	04/25/2013	Title: REACTOR RECIRCULATION SINGLE LOOP OPERATION SLO FLOW RATE RESTRICTION
TEXT 3.5.1	2	03/05/2019	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM ADS MANUAL INHIBIT
TEXT 3.5.2	2	03/05/2019	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM ECCS RPV WATER INVENTORY CONTROL AND RCIC MONITORING INSTRUMENTATION
TEXT 3.5.3	1	03/05/2019	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM LONG TERM NITROGEN SUPPLY TO ADS
TEXT 3.6.1	0	11/18/2002	Title: CONTAINMENT VENTING OR PURGING
TEXT 3.6.2	3	01/03/2019	Title: SUPPRESSION CHAMBER TO DRYWELL VACUUM BREAKER POSITION INDICATION
TEXT 3.6.3	0	11/18/2002	Title: CONTAINMENT SUPPRESSION POOL ALARM INSTRUMENTATION

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.6.4	0	11/18/2002	Title: CONTAINMENT PRIMARY CONTAINMENT CLOSED SYSTEM BOUNDARIES
TEXT 3.7.1	0	11/18/2002	Title: PLANT SYSTEMS EMERGENCY SERVICE WATER SYSTEM (ESW) SHUTDOWN
TEXT 3.7.2	0	11/18/2002	Title: PLANT SYSTEMS ULTIMATE HEAT SINK (UHS) AND GROUND WATER LEVEL
TEXT 3.7.3.1	5	02/13/2020	Title: PLANT SYSTEMS FIRE SUPPRESSION WATER SUPPLY SYSTEM
TEXT 3.7.3.2	3	04/16/2009	Title: PLANT SYSTEMS SPRAY AND SPRINKLER SYSTEMS
TEXT 3.7.3.3	4	05/16/2016	Title: PLANT SYSTEMS CO2 SYSTEMS
TEXT 3.7.3.4	2	04/16/2009	Title: PLANT SYSTEMS HALON SYSTEMS
TEXT 3.7.3.5	2	04/16/2009	Title: PLANT SYSTEMS FIRE HOSE STATIONS
TEXT 3.7.3.6	2	04/16/2009	Title: PLANT SYSTEMS YARD FIRE HYDRANTS AND HYDRANT HOSE HOUSES
TEXT 3.7.3.7	1	04/26/2006	Title: PLANT SYSTEMS FIRE RATED ASSEMBLIES
TEXT 3.7.3.8	13	12/18/2017	Title: PLANT SYSTEMS FIRE DETECTION INSTRUMENTATION
TEXT 3.7.4	1	04/26/2006	Title: PLANT SYSTEMS SOLID RADWASTE SYSTEM

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.7.5.1	1	03/05/2015	Title: PLANT SYSTEMS MAIN CONDENSER OFFGAS HYDROGEN MONITOR
TEXT 3.7.5.2	0	11/18/2002	Title: PLANT SYSTEMS MAIN CONDENSER OFFGAS EXPLOSIVE GAS MIXTURE
TEXT 3.7.5.3	1	04/26/2006	Title: PLANT SYSTEMS LIQUID HOLDUP TANKS
TEXT 3.7.6	3	06/04/2012	Title: PLANT SYSTEMS ESSW PUMPHOUSE VENTILATION
TEXT 3.7.7	2	09/05/2008	Title: PLANT SYSTEMS MAIN CONDENSER OFFGAS PRETREATMENT LOGARITHMIC RADIATION MONITORING
TEXT 3.7.8	5	03/05/2015	Title: PLANT SYSTEMS SNUBBERS
TEXT 3.7.9	3	03/05/2019	Title: PLANT SYSTEMS CONTROL STRUCTURE HVAC
TEXT 3.7.10	1	12/14/2004	Title: PLANT SYSTEMS SPENT FUEL STORAGE POOLS (SFSPS)
TEXT 3.7.11	1	11/01/2018	Title: STRUCTURAL INTEGRITY
TEXT 3.8.1	3	04/22/2020	Title: ELECTRICAL POWER PRIMARY CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES
TEXT 3.8.2.1	2	11/09/2007	Title: ELECTRICAL POWER MOTOR OPERATED VALVES (MOV) THERMAL OVERLOAD PROTECTION - CONTINUOUS
TEXT 3.8.2.2	3	06/23/2021	Title: ELECTRICAL POWER MOTOR OPERATED VALVES (MOV) THERMAL OVERLOAD PROTECTION - AUTOMATIC

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.8.3	4	01/28/2020	
Title: ELECTRICAL POWER DIESEL GENERATOR (DG) MAINTENANCE ACTIVITIES			
TEXT 3.8.4	0	11/18/2002	
Title: ELECTRICAL POWER 24 VDC ELECTRICAL POWER SUBSYSTEM			
TEXT 3.8.5	1	11/14/2013	
Title: ELECTRICAL POWER DEGRADED VOLTAGE PROTECTION			
TEXT 3.8.6	2	03/05/2019	
Title: ELECTRICAL POWER EMERGENCY SWITCHGEAR ROOM COOLING			
TEXT 3.8.7	2	02/25/2021	
Title: BATTERY MAINTENANCE AND MONITORING PROGRAM			
TEXT 3.9.1	0	11/18/2002	
Title: REFUELING OPERATIONS DECAY TIME			
TEXT 3.9.2	0	11/18/2002	
Title: REFUELING OPERATIONS COMMUNICATIONS			
TEXT 3.9.3	1	03/12/2019	
Title: REFUELING OPERATIONS REFUELING PLATFORM			
TEXT 3.10.1	1	04/26/2006	
Title: MISCELLANEOUS SEAL SOURCE CONTAMINATION			
TEXT 3.10.2	3	06/19/2019	
Title: MISCELLANEOUS SHUTDOWN MARGIN TEST RPS INSTRUMENTATION			
TEXT 3.10.3	3	10/17/2019	
Title: MISCELLANEOUS INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)			
TEXT 3.10.4	2	04/17/2008	
Title: INTENTIONALLY LEFT BLANK			



# SSS MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.11.1.1	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS LIQUID EFFLUENTS CONCENTRATION
TEXT 3.11.1.2	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS LIQUID EFFLUENTS DOSE
TEXT 3.11.1.3	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS LIQUID WASTE TREATMENT SYSTEM
TEXT 3.11.1.4	2	10/09/2012	Title: RADIOACTIVE EFFLUENTS LIQUID RADWASTE EFFLUENT MONITORING INSTRUMENTATION
TEXT 3.11.1.5	3	03/05/2015	Title: RADIOACTIVE EFFLUENTS RADIOACTIVE LIQUID PROCESS MONITORING INSTRUMENTATION
TEXT 3.11.2.1	4	03/12/2019	Title: RADIOACTIVE EFFLUENTS DOSE RATE
TEXT 3.11.2.2	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS DOSE - NOBLE GASES
TEXT 3.11.2.3	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS DOSE - IODINE, TRITIUM, AND RADIONUCLIDES IN PARTICULATE FORM
TEXT 3.11.2.4	0	11/18/2002	Title: RADIOACTIVE EFFLUENTS GASEOUS RADWASTE TREATMENT SYSTEM
TEXT 3.11.2.5	4	07/03/2013	Title: RADIOACTIVE EFFLUENTS VENTILATION EXHAUST TREATMENT SYSTEM
TEXT 3.11.2.6	8	06/29/2017	Title: RADIOACTIVE EFFLUENTS RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION
TEXT 3.11.3	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS TOTAL DOSE

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 3.11.4.1	5	03/05/2015
Title: RADIOACTIVE EFFLUENTS MONITORING PROGRAM		
TEXT 3.11.4.2	2	04/26/2006
Title: RADIOACTIVE EFFLUENTS LAND USE CENSUS		
TEXT 3.11.4.3	1	04/26/2006
Title: RADIOACTIVE EFFLUENTS INTERLABORATORY COMPARISON PROGRAM		
TEXT 3.12.1	0	11/19/2002
Title: LOADS CONTROL PROGRAM CRANE TRAVEL-SPENT FUEL POOL STORAGE POOL		
TEXT 3.12.2	4	04/17/2008
Title: LOADS CONTROL PROGRAM HEAVY LOADS REQUIREMENTS		
TEXT 3.12.3	0	11/19/2002
Title: LOADS CONTROL PROGRAM LIGHT LOADS REQUIREMENT		
TEXT 4.1	0	08/31/1998
Title: ADMINISTRATIVE CONTROLS ORGANIZATION		
TEXT 4.2	1	01/03/2019
Title: ADMINISTRATIVE CONTROLS REPORTABLE EVENT ACTION		
TEXT 4.3	1	01/03/2019
Title: ADMINISTRATIVE CONTROLS SAFETY LIMIT VIOLATION		
TEXT 4.4	1	12/18/2008
Title: ADMINISTRATIVE CONTROLS PROCEDURES & PROGRAMS		
TEXT 4.5	0	08/31/1998
Title: ADMINISTRATIVE CONTROLS REPORTING REQUIREMENTS		
TEXT 4.6	0	08/31/1998
Title: ADMINISTRATIVE CONTROLS RADIATION PROTECTION PROGRAM		

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT 4.7 0 08/31/1998

Title: ADMINISTRATIVE CONTROLS TRAINING

TEXT B3.0 6 03/18/2021

Title: APPLICABILITY BASES TECHNICAL REQUIREMENT FOR OPERATION (TRO) APPLICABILITY

TEXT B3.1.1 2 04/29/2014

Title: REACTIVITY CONTROL SYSTEMS BASES ANTICIPATED TRANSIENT WITHOUT SCRAM ALTERNATE ROD INJECTION (ATWS-ARI) INSTRUMENTATION

TEXT B3.1.2 0 11/19/2002

Title: REACTIVITY CONTROL SYSTEMS BASES CONTROL ROD DRIVE (CRD) HOUSING SUPPORT

TEXT B3.1.3 4 12/18/2017

Title: REACTIVITY CONTROL SYSTEMS BASES CONTROL ROD BLOCK INSTRUMENTATION

TEXT B3.1.4 1 10/12/2020

Title: REACTIVITY CONTROL SYSTEMS BASES CONTROL ROD SCRAM ACCUMULATORS INSTRUMENTATION AND CHECK VALVE

TEXT B3.2.1 0 11/19/2002

Title: CORE OPERATING LIMITS BASES CORE OPERATING LIMITS REPORT (COLR)

TEXT B3.3.1 1 01/31/2014

Title: INSTRUMENTATION BASES RADIATION MONITORING INSTRUMENTATION

TEXT B3.3.2 2 03/31/2011

Title: INSTRUMENTATION BASES SEISMIC MONITORING INSTRUMENTATION

TEXT B3.3.3 3 12/18/2008

Title: INSTRUMENTATION BASES METEOROLOGICAL MONITORING INSTRUMENTATION

TEXT B3.3.4 7 06/29/2017

Title: INSTRUMENTATION BASES TRM POST ACCIDENT MONITORING (PAM) INSTRUMENTATION

TEXT B3.3.5 2 11/09/2007

Title: INTENTIONALLY LEFT BLANK

# SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.3.6	6	03/05/2019	
Title: INSTRUMENTATION BASES TRM ISOLATION ACTUATION INSTRUMENTATION			
TEXT B3.3.7	2	11/10/2015	
Title: INSTRUMENTATION BASES MAIN TURBINE OVERSPEED PROTECTION SYSTEM			
TEXT B3.3.8	1	10/22/2003	
Title: INTENTIONALLY LEFT BLANK			
TEXT B3.3.9	4	01/03/2019	
Title: OPRM INSTRUMENTATION			
TEXT B3.3.10	3	08/09/2010	
Title: INSTRUMENTATION BASES REACTOR RECIRCULATION PUMP MG SET STOPS			
TEXT B3.3.11	1	10/22/2003	
Title: INSTRUMENTATION BASES MVP ISOLATION INSTRUMENTATION			
TEXT B3.3.12	1	04/02/2019	
Title: WATER MONITORING INSTRUMENTATION			
TEXT B3.4.1	0	11/19/2002	
Title: REACTOR COOLANT SYSTEM BASES REACTOR COOLANT SYSTEM CHEMISTRY			
TEXT B3.4.2	1	04/16/2009	
Title: INTENTIONALLY LEFT BLANK			
TEXT B3.4.3	1	11/09/2007	
Title: REACTOR COOLANT SYSTEM BASES HIGH/LOW PRESSURE INTERFACE LEAKAGE MONITOR			
TEXT B3.4.4	0	11/19/2002	
Title: REACTOR COOLANT SYSTEM BASES REACTOR RECIRCULATION FLOW AND ROD LINE LIMIT			
TEXT B3.4.5	0	11/19/2002	
Title: REACTOR COOLANT SYSTEM BASES REACTOR VESSEL MATERIALS			

## SSSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.4.6	3	01/03/2019	Title: REACTOR RECIRCULATION SINGLE LOOP OPERATION SLO FLOW RATE RESTRICTION
TEXT B3.5.1	2	03/17/2020	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM ADS MANUAL INHIBIT
TEXT B3.5.2	2	03/05/2019	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM ECCS RPV WATER INVENTORY CONTROL AND RCIC MONITORING INSTRUMENTATION
TEXT B3.5.3	2	03/05/2019	Title: ECCS RPV WATER INVENTORY CONTROL AND RCIC SYSTEM LONG TERM NITROGEN SUPPLY TO ADS
TEXT B3.6.1	0	11/19/2002	Title: CONTAINMENT BASES VENTING OR PURGING
TEXT B3.6.2	0	11/19/2002	Title: CONTAINMENT BASES SUPPRESSION CHAMBER-TO-DRYWELL VACUUM BREAKER POSITION INDICATION
TEXT B3.6.3	2	04/17/2008	Title: CONTAINMENT BASES SUPPRESSION POOL ALARM INSTRUMENTATION
TEXT B3.6.4	1	12/14/2004	Title: CONTAINMENT BASES PRIMARY CONTAINMENT CLOSED SYSTEM BOUNDARIES
TEXT B3.7.1	0	11/19/2002	Title: PLANT SYSTEMS BASES EMERGENCY SERVICE WATER SYSTEM (SHUTDOWN)
TEXT B3.7.2	0	11/19/2002	Title: PLANT SYSTEMS BASES ULTIMATE HEAT SINK (UHS) GROUND WATER LEVEL
TEXT B3.7.3.1	4	02/16/2017	Title: PLANT SYSTEMS BASES FIRE SUPPRESSION WATER SUPPLY SYSTEM
TEXT B3.7.3.2	2	04/26/2006	Title: PLANT SYSTEMS BASES SPRAY AND SPRINKLER SYSTEMS

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.7.3.3	1	01/03/2019
Title: PLANT SYSTEMS BASES CO2 SYSTEMS		
TEXT B3.7.3.4	4	06/19/2019
Title: PLANT SYSTEMS BASES HALON SYSTEMS		
TEXT B3.7.3.5	1	04/26/2006
Title: PLANT SYSTEMS BASES FIRE HOSE STATIONS		
TEXT B3.7.3.6	1	04/26/2006
Title: PLANT SYSTEMS BASES YARD FIRE HYDRANTS AND HYDRANT HOSE HOUSES		
TEXT B3.7.3.7	0	11/19/2002
Title: PLANT SYSTEMS BASES FIRE RATED ASSEMBLIES		
TEXT B3.7.3.8	3	09/27/2012
Title: PLANT SYSTEMS BASES FIRE DETECTION INSTRUMENTATION		
TEXT B3.7.4	0	11/19/2002
Title: PLANT SYSTEMS BASES SOLID RADWASTE SYSTEM		
TEXT B3.7.5.1	0	11/19/2002
Title: PLANT SYSTEMS BASES MAIN CONDENSER OFFGAS HYDROGEN MONITOR		
TEXT B3.7.5.2	0	11/19/2002
Title: PLANT SYSTEMS BASES MAIN CONDENSER OFFGAS EXPLOSIVE GAS MIXTURE		
TEXT B3.7.5.3	0	11/19/2002
Title: PLANT SYSTEMS BASES LIQUID HOLDUP TANKS		
TEXT B3.7.6	4	06/04/2013
Title: PLANT SYSTEMS BASES ESSW PUMPHOUSE VENTILATION		
TEXT B3.7.7	2	01/31/2008
Title: PLANT SYSTEMS BASES MAIN CONDENSER OFFGAS PRETREATMENT LOGARITHMIC RADIATION MONITORING INSTRUMENTATION		

# SSSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.7.8	4	01/31/2014	Title: PLANT SYSTEMS BASES SNUBBERS
TEXT B3.7.9	3	03/05/2019	Title: PLANT SYSTEMS BASES CONTROL STRUCTURE HVAC
TEXT B3.7.10	1	12/14/2004	Title: PLANT SYSTEMS BASES SPENT FUEL STORAGE POOLS
TEXT B3.7.11	2	11/01/2018	Title: STRUCTURAL INTEGRITY
TEXT B3.8.1	2	03/10/2010	Title: ELECTRICAL POWER BASES PRIMARY CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES
TEXT B3.8.2.1	0	11/19/2002	Title: ELECTRICAL POWER BASES MOTOR OPERATED VALVES (MOV) THERMAL OVERLOAD PROTECTION - CONTINUOUS
TEXT B3.8.2.2	2	06/23/2021	Title: ELECTRICAL POWER BASES MOTOR OPERATED VALVES (MOV) THERMAL OVERLOAD PROTECTION - AUTOMATIC
TEXT B3.8.3	0	11/19/2002	Title: ELECTRICAL POWER BASES DIESEL GENERATOR (DG) MAINTENANCE ACTIVITIES
TEXT B3.8.4	0	11/19/2002	Title: ELECTRICAL POWER BASES 24 VDC ELECTRICAL POWER SUBSYSTEM
TEXT B3.8.5	1	11/14/2013	Title: ELECTRICAL POWER BASES DEGRADED VOLTAGE PROTECTION
TEXT B3.8.6	3	03/05/2019	Title: ELECTRICAL POWER BASES EMERGENCY SWITCHGEAR ROOM COOLING
TEXT B3.8.7	3	02/25/2021	Title: BATTERY MAINTENANCE AND MONITORING PROGRAM

## SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.9.1	0	11/19/2002
Title: REFUELING OPERATIONS BASES DECAY TIME		
TEXT B3.9.2	0	11/19/2002
Title: REFUELING OPERATIONS BASES COMMUNICATIONS		
TEXT B3.9.3	1	03/12/2019
Title: REFUELING OPERATIONS BASES REFUELING PLATFORM		
TEXT B3.10.1	0	11/19/2002
Title: MISCELLANEOUS BASES SEALED SOURCE CONTAMINATION		
TEXT B3.10.2	1	03/31/2006
Title: MISCELLANEOUS BASES SHUTDOWN MARGIN TEST RPS INSTRUMENTATION		
TEXT B3.10.3	2	10/17/2019
Title: MISCELLANEOUS BASES INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)		
TEXT B3.10.4	1	04/17/2008
Title: INTENTIONALLY LEFT BLANK		
TEXT B3.11.1.1	0	11/19/2002
Title: RADIOACTIVE EFFLUENTS BASES LIQUID EFFLUENTS CONCENTRATION		
TEXT B3.11.1.2	0	11/19/2002
Title: RADIOACTIVE EFFLUENTS BASES LIQUID EFFLUENTS DOSE		
TEXT B3.11.1.3	0	11/19/2002
Title: RADIOACTIVE EFFLUENTS BASES LIQUID WASTE TREATMENT SYSTEM		
TEXT B3.11.1.4	0	11/19/2002
Title: RADIOACTIVE EFFLUENTS BASES LIQUID RADWASTE EFFLUENT MONITORING INSTRUMENTATION		
TEXT B3.11.1.5	0	11/19/2002
Title: RADIOACTIVE EFFLUENTS BASES RADIOACTIVE LIQUID PROCESS MONITORING INSTRUMENTATION		



# SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.11.2.1	1	12/14/2004	Title: RADIOACTIVE EFFLUENTS BASES DOSE RATE
TEXT B3.11.2.2	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES DOSE - NOBLE GASES
TEXT B3.11.2.3	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES DOSE - IODINE, TRITIUM, AND RADIONUCLIDES IN PARTICULATES FORM
TEXT B3.11.2.4	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES GASEOUS RADWASTE TREATMENT SYSTEM
TEXT B3.11.2.5	5	07/03/2013	Title: RADIOACTIVE EFFLUENTS BASES VENTILATION EXHAUST TREATMENT SYSTEM
TEXT B3.11.2.6	2	09/08/2016	Title: RADIOACTIVE EFFLUENTS BASES RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION
TEXT B3.11.3	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES TOTAL DOSE
TEXT B3.11.4.1	5	03/05/2015	Title: RADIOACTIVE EFFLUENTS BASES MONITORING PROGRAM
TEXT B3.11.4.2	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES LAND USE CENSUS
TEXT B3.11.4.3	0	11/19/2002	Title: RADIOACTIVE EFFLUENTS BASES INTERLABORATORY COMPARISON PROGRAM
TEXT B3.12.1	1	10/04/2007	Title: LOADS CONTROL PROGRAM BASES CRANE TRAVEL-SPENT FUEL STORAGE POOL
TEXT B3.12.2	1	12/03/2010	Title: LOADS CONTROL PROGRAM BASES HEAVY LOADS REQUIREMENTS

# SSES MANUAL

Manual Name: TRM1

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

TEXT B3.12.3

0 11/19/2002

Title: LOADS CONTROL PROGRAM BASES LIGHT LOADS REQUIREMENTS

Rev. 3

3.8 ELECTRICAL POWER

3.8.2 Motor Operated Valves (MOV) Thermal Overload Protection

3.8.2.2 MOV Thermal Overload Protection – Automatic

TRO 3.8.2.2 Thermal overload protection for each valve in Table 3.8.2.2-1 shall have automatic bypass capability.

APPLICABILITY: When diesel generator (DG) E is not aligned to the Class 1E distribution system and the valve is open.

ACTIONS

NOTE

Separate condition entry is allowed for each valve.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more MOVs with automatic bypass of thermal overload protection inoperable.	A.1 Continuously bypass the thermal overload protection.	8 hours
	<u>OR</u>	
	A.2.1 Verify DG E is not running.	8 hours
	<u>AND</u>	
	A.2.2 Verify the affected ESW flow path is isolated.	8 hours

TECHNICAL REQUIREMENT SURVEILLANCE

SURVEILLANCE	FREQUENCY
TRS 3.8.2.2.1 Verify automatic bypass of MOV thermal overload protection is OPERABLE.	60 months

Table 3.8.2.2-1  
MOV THERMAL OVERLOAD PROTECTION - AUTOMATIC

VALVE NUMBER	SYSTEM AFFECTED
HV-01110E	ESW
HV-01120E	ESW
HV-01112E	ESW
HV-01122E	ESW

Rev. 2

B 3.8 ELECTRICAL POWER

B 3.8.2 Motor Operated Valves (MOV) Thermal Overload Protection

B 3.8.2.2 MOV Thermal Overload Protection – Automatic

BASES

---

TRO TRO 3.8.2.2 requires that the thermal overload protection for all MOVs in Table 3.8.2.2-1 have automatic bypass capability. The bypassing of the motor operated valve thermal overload protection automatically by integral bypass devices ensures that the thermal overload protection will not prevent safety related valves from performing their function.

The automatic bypass capability is achieved by an OPERABLE bypass device integral with the motor starter.

ACTIONS

The ACTIONS are defined to ensure proper corrective measures are taken in response to the inoperable components.

The ACTIONS have been modified by a Note to clarify the application of Completion Time rules. The Conditions of this TRO may be entered independently for each affected valve. The Completion Time(s) of MOVs with inoperable thermal overload protection bypass capability will be tracked separately for each affected valve starting from the time the Condition was entered for that valve as a result of discovery of inoperable thermal overload protection bypass capability.

A.1, A.2.1 and A.2.2

With one or more MOVs without automatic thermal overload protection bypass capability, administrative action must be taken to restore the bypass capability to OPERABLE status within 8 hours. If this cannot be accomplished within 8 hours, the affected MOVs must have their thermal overload protection continuously bypassed. Alternatively, Required Action A.2.1 requires diesel generator (DG) E to be verified not to be running. In addition, Required Action A.2.2 requires that the affected emergency service water (ESW) flow path be verified as isolated. Any viable means of isolation may be used. The 8 hour Completion Time takes into account low probability of a design basis event occurring during this period.

TRS

The TRSs are performed at the specified Frequency to ensure that the MOV thermal overload protection automatic bypass capability is maintained OPERABLE.

Rev. 2

BASES

---

TRS  
(continued)

TRS 3.8.2.2.1

This surveillance requires verification that the automatic thermal overload protection bypass capability is OPERABLE every 60 months. This surveillance is in accordance with Regulatory Guide 1.106 (Ref. 1).

---

REFERENCES

1. Regulatory Guide 1.106, "Thermal Overload Protection for Electric Motors on Motor Operated Valves," Revision 1, March 1977.
-