

MANUAL HARD COPY DISTRIBUTION  
DOCUMENT TRANSMITTAL 2019-10024

---

USER INFORMATION:

GERLACH\*ROSEY M            EMPL#: 028401    CA#: 0363

Address: NUCSA2

Phone#: 542-3194

TRANSMITTAL INFORMATION:

TO:        GERLACH\*ROSEY M            06/20/2019

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.

TRM2 - TECHNICAL REQUIREMENTS MANUAL UNIT 2

REMOVE MANUAL TABLE OF CONTENTS    DATE: 06/07/2019

ADD        MANUAL TABLE OF CONTENTS    DATE: 06/19/2019

CATEGORY: DOCUMENTS    TYPE: TRM2

ADD  
NRR

ID: TEXT B3.7.3.4

ADD: REV: 3

REMOVE: REV:2

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.

# SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

## Table Of Contents

Issue Date: 06/19/2019

<u>Procedure Name</u>	<u>Rev</u>	<u>Issue Date</u>	<u>Change ID</u>	<u>Change Number</u>
TEXT LOES	99	01/03/2019		
Title: LIST OF EFFECTIVE SECTIONS				
TEXT TOC	27	03/05/2019		
Title: TABLE OF CONTENTS				
TEXT 1.1	0	11/19/2002		
Title: USE AND APPLICATION DEFINITIONS				
TEXT 2.1	1	02/04/2005		
Title: PLANT PROGRAMS AND SETPOINTS PLANT PROGRAMS				
TEXT 2.2	11	01/31/2014		
Title: PLANT PROGRAMS AND SETPOINTS INSTRUMENT TRIP SETPOINT TABLE				
TEXT 3.0	7	06/15/2018		
Title: APPLICABILITY TECHNICAL REQUIREMENT FOR OPERATION (TRO) APPLICABILITY				
TEXT 3.1.1	1	11/09/2007		
Title: REACTIVITY CONTROL SYSTEMS ANTICIPATED TRANSIENT WITHOUT SCRAM ALTERNATE ROD INJECTION (ATWS-ARI) INSTRUMENTATION				
TEXT 3.1.2	0	11/19/2002		
Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD DRIVE (CRD) HOUSING SUPPORT				
TEXT 3.1.3	5	12/18/2017		
Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD BLOCK INSTRUMENTATION				
TEXT 3.1.4	0	11/19/2002		
Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD SCRAM ACCUMULATORS INSTRUMENTATION AND CHECK VALVE				
TEXT 3.2.1	16	04/18/2019		
Title: CORE OPERATING LIMITS REPORT (COLR)				

## SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.3.1	0	11/19/2002
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	07/21/2017
Title: INSTRUMENTATION TRM POST-ACCIDENT MONITORING INSTRUMENTATION		
TEXT 3.3.5	0	11/19/2002
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: INTENTIONALLY LEFT BLANK		
TEXT 3.3.9	3	05/14/2009
Title: INSTRUMENTATION LPRM UPSCALE ALARM INSTRUMENTATION		
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		

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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: INTENTIONALLY LEFT BLANK

TEXT 3.4.3 1 11/09/2007

Title: REACTOR COOLANT SYSTEM REACTOR COOLANT SYSTEM (RCS)

TEXT 3.4.4 2 05/14/2009

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 1 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 11/19/2002

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 11/19/2002

Title: CONTAINMENT SUPPRESSION POOL ALARM INSTRUMENTATION

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.6.4	0	11/19/2002
Title: CONTAINMENT PRIMARY CONTAINMENT CLOSED SYSTEM BOUNDARIES		
TEXT 3.7.1	0	11/19/2002
Title: PLANT SYSTEMS EMERGENCY SERVICE WATER SYSTEM (ESW) SHUTDOWN		
TEXT 3.7.2	0	11/19/2002
Title: PLANT SYSTEMS ULTIMATE HEAT SINK (UHS) AND GROUND WATER LEVEL		
TEXT 3.7.3.1	5	02/16/2017
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	14	12/18/2017
Title: PLANT SYSTEMS FIRE DETECTION INSTRUMENTATION		
TEXT 3.7.4	1	04/26/2006
Title: PLANT SYSTEMS SOLID RADWASTE SYSTEM		

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.7.5.1	1	03/05/2015	Title: PLANT SYSTEMS MAIN CONDENSER OFFGAS HYDROGEN MONITOR
TEXT 3.7.5.2	0	11/19/2002	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 INSTRUMENTATION
TEXT 3.7.8	9	03/05/2015	Title: PLANT SYSTEMS SNUBBERS
TEXT 3.7.9	2	03/05/2019	Title: PLANT SYSTEMS CONTROL STRUCTURE HVAC
TEXT 3.7.10	2	04/29/2014	Title: PLANT SYSTEMS SPENT FUEL STORAGE POOLS (SFSPS)
TEXT 3.7.11	2	11/01/2018	Title: PLANT SYSTEMS
TEXT 3.8.1	3	06/20/2012	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	2	12/14/2004	Title: ELECTRICAL POWER MOTOR OPERATED VALVES (MOV) THERMAL OVERLOAD PROTECTION - AUTOMATIC

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.8.3	3	03/05/2019
Title: ELECTRICAL POWER DIESEL GENERATOR (DG) MAINTENANCE ACTIVITIES		
TEXT 3.8.4	1	02/04/2005
Title: ELECTRICAL POWER 24 VDC ELECTRICAL SUBSYSTEM		
TEXT 3.8.5	1	11/14/2013
Title: ELECTRICAL POWER DEGRADED VOLTAGE PROTECTION		
TEXT 3.8.6	3	03/05/2019
Title: ELECTRICAL POWER EMERGENCY SWITCHGEAR ROOM COOLING		
TEXT 3.8.7	2	10/22/2009
Title: BATTERY MAINTENANCE AND MONITORING PROGRAM		
TEXT 3.9.1	0	11/19/2002
Title: REFUELING OPERATIONS DECAY TIME		
TEXT 3.9.2	0	11/19/2002
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 SEALED SOURCE CONTAMINATION		
TEXT 3.10.2	1	04/09/2007
Title: MISCELLANEOUS SHUTDOWN MARGIN TEST RPS INSTRUMENTATION		
TEXT 3.10.3	2	06/15/2010
Title: MISCELLANEOUS INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)		
TEXT 3.10.4	2	04/17/2009
Title: MISCELLANEOUS LEADING EDGE FLOW METER (LEFM)		

## SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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	11/19/2002	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	07/21/2017	Title: RADIOACTIVE EFFLUENTS RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION
TEXT 3.11.3	1	04/26/2006	Title: RADIOACTIVE EFFLUENTS TOTAL DOSE

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.11.4.1	4	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 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 REQUIREMENTS		
TEXT 4.1	0	09/27/2003
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	09/27/2003
Title: ADMINISTRATIVE CONTROLS REPORTING REQUIREMENTS		
TEXT 4.6	0	09/27/2003
Title: ADMINISTRATIVE CONTROLS RADIATION PROTECTION PROGRAM		

## SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 4.7 0 09/27/2003

Title: ADMINISTRATIVE CONTROLS TRAINING

TEXT B3.0 6 03/05/2015

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

TEXT B3.1.1 2 04/29/2014

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

TEXT B3.1.2 0 11/19/2002

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

TEXT B3.1.3 4 12/18/2017

Title: REACTIVITY CONTROL SYSTEM BASES CONTROL ROD BLOCK INSTRUMENTATION

TEXT B3.1.4 0 11/19/2002

Title: REACTIVITY CONTROL SYSTEM 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 2 11/09/2007

Title: INSTRUMENTATION BASES METEOROLOGICAL MONITORING INSTRUMENTATION

TEXT B3.3.4 7 07/21/2017

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

TEXT B3.3.5 2 11/09/2007

Title: INSTRUMENTATION BASES THIS PAGE INTENTIONALLY LEFT BLANK

## SSSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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 BLANK

TEXT B3.3.9 4 01/03/2019

Title: INSTRUMENTATION BASES LPRM UPSCALE ALARM INSTRUMENTATION

TEXT B3.3.10 3 02/22/2012

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: REACTOR COOLANT SYSTEM BASES STRUCTURAL INTEGRITY

TEXT B3.4.3 1 11/09/2007

Title: REACTOR COOLANT SYSTEM BASES HIGH/LOW PRESSURE INTERFACE LEAKAGE MONITOR

TEXT B3.4.4 1 01/03/2019

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

## SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.4.6 2 01/03/2019

Title: REACTOR RECIRCULATION SINGLE LOOP OPERATION SLO FLOW RATE RESTRICTION

TEXT B3.5.1 1 03/05/2019

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 1 04/19/2007

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

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.7.3.3 0 11/19/2002

Title: PLANT SYSTEMS BASES CO2 SYSTEMS

TEXT B3.7.3.4 3 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: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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 3 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 1 09/17/2004

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 4 03/05/2019

Title: ELECTRICAL POWER BASES EMERGENCY SWITCHGEAR ROOM COOLING

TEXT B3.8.7 2 06/04/2013

Title: BATTERY MAINTENANCE AND MONITORING PROGRAM

## SSSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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 04/10/2007

Title: MISCELLANEOUS BASES SHUTDOWN MARGIN TEST RPS INSTRUMENTATION

TEXT B3.10.3 0 11/19/2002

Title: MISCELLANEOUS BASES INDEPENDENT SPENT FUEL STORAGE INSTALLATION (ISFSI)

TEXT B3.11.1.1 1 05/10/2016

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

TEXT B3.11.2.1 1 12/14/2004

Title: RADIOACTIVE EFFLUENTS BASES DOSE RATE

## SSS MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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		
TEXT B3.12.3	0	11/19/2002
Title: LOADS CONTROL PROGRAM BASES LIGHT LOADS REQUIREMENTS		

## B 3.7.3.4 Halon Systems

---

BASES

---

## TRO

The OPERABILITY of the fire suppression Halon systems is one part of ensuring that adequate fire suppression capability is available to confine and extinguish fires occurring in any portion of the facility where safety related equipment is located. The fire suppression system consists of the water supply system, spray and sprinkler systems, CO<sub>2</sub> systems, Halon systems, fire hose stations, and fire hydrants. The collective capability of the fire suppression systems is adequate to minimize potential damage to safety related equipment and is a major element in the facility fire protection program.

An OPERABLE Halon system will have storage tanks with at least 95% of full charge weight and 90% of full charge pressure.

Any time a Power Generation Control Complex (PGCC) panel drawer is removed, the opening must be covered with a blank to keep the Halon System OPERABLE. Removal of any PGCC Floor panel or opening of any PGCC panel door causes the affected PGCC module Halon system to become inoperable if the floor panel or panel door must be left open and unattended or cannot be immediately closed.

The basis for those systems included within the scope of this TRO includes both Safety Related and Safe Shutdown system protection. The Halon systems are described in FPRR.

---

ACTIONS

The Actions are defined to ensure proper corrective measures and compensatory actions are taken in response to the inoperable systems or components.

Hourly Firewatch Patrols shall be completed once each clock hour. Individual zones on the hourly firewatch patrol shall be toured at intervals (i.e. - zone A and back to zone A) of sixty minutes with a margin of fifteen minutes.

A Continuous Firewatch must remain in the specified area at all times and must patrol the required fire zones in the specified area at least once per fifteen minutes with a margin of five minutes. Areas exist within the plant where the posting of a firewatch does not provide acceptable radiological ALARA practices. For these inaccessible areas, alternate measures should be taken to assure an adequate level of fire protection is maintained.

---

(continued)

---

---

**BASES**

---

**ACTIONS**  
(continued)

The specified area can be as small as one fire zone or as large as a firewatch can reasonably patrol within the fifteen minute time period. The specified area is limited to two floors of the Control Structure or Reactor Buildings. The floors must be adjacent or served by an operable elevator.

---

**TRS**

The TRSs provide assurances that the minimum OPERABILITY requirements of the fire suppression Halon systems are met. An allowance is made for ensuring a sufficient volume of Halon in the Halon storage tanks by verifying the weight and pressure of the tanks. Tank level measurement may be used to confirm full charge weight when supported by engineering analysis.

The Surveillances are modified by a Note to indicate that when a system is placed in an inoperable status solely for performance of required Surveillances, entry into associated Conditions and Required Actions may be delayed for up to 1 hour. Upon completion of the test, or expiration of the 1 hour allowance, the system must be restored to an operable condition, or the applicable Condition entered and 1 hour Required Action(s) completed. The 1 hour allowance is a reasonable out of service time based on prior plant test performance. This allowance also does not result in an increased risk of a fire. Required Surveillances include those surveillances under other subsections of TRM 3.7.3.

**TRS 3.7.3.4.3**

The purpose of the flow test is to verify that there are no obstructions / blockages in the Halon system headers or nozzles. The use of air or nitrogen is acceptable for use in the performance of the flow test.

---

**REFERENCES**

1. FPRR Section 4.9
-