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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: 11/03/2010

ADD MANUAL TABLE OF CONTENTS DATE: 12/03/2010

CATEGORY: DOCUMENTS TYPE: TRM2

A001
NRC

ID: TEXT 3.7.8
REMOVE: REV:6

ADD: REV: 7

CATEGORY: DOCUMENTS TYPE: TRM2
ID: TEXT B3.12.2
ADD: REV: 1

REMOVE: REV:0

CATEGORY: DOCUMENTS TYPE: TRM2
ID: TEXT LOES
REMOVE: REV:64

ADD: REV: 65

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SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

Table Of Contents

Issue Date: 12/03/2010

<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	65	12/03/2010		
TEXT TOC Title: TABLE OF CONTENTS	18	07/20/2010		
TEXT 1.1 Title: USE AND APPLICATION DEFINITIONS	0	11/19/2002		
TEXT 2.1 Title: PLANT PROGRAMS AND SETPOINTS PLANT PROGRAMS	1	02/04/2005		
TEXT 2.2 Title: PLANT PROGRAMS AND SETPOINTS INSTRUMENT TRIP SETPOINT TABLE	9	02/12/2010		
TEXT 3.0 Title: APPLICABILITY TECHNICAL REQUIREMENT FOR OPERATION (TRO) APPLICABILITY	4	05/23/2008		
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	11/19/2002		
TEXT 3.1.3 Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD BLOCK INSTRUMENTATION	4	05/14/2009		
TEXT 3.1.4 Title: REACTIVITY CONTROL SYSTEMS CONTROL ROD SCRAM ACCUMULATORS INSTRUMENTATION AND CHECK VALVE	0	11/19/2002		
TEXT 3.2.1 Title: CORE OPERATING LIMITS CORE OPERATING LIMITS REPORT (COLR)	8	05/14/2009		

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4712

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	2	11/09/2007
Title: INSTRUMENTATION SEISMIC MONITORING INSTRUMENTATION		
TEXT 3.3.3	2	11/09/2007
Title: INSTRUMENTATION METEOROLOGICAL MONITORING INSTRUMENTATION		
TEXT 3.3.4	6	07/09/2010
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	2	10/19/2005
Title: INSTRUMENTATION TRM ISOLATION ACTUATION INSTRUMENTATION		
TEXT 3.3.7	1	11/09/2007
Title: INSTRUMENTATION MAIN TURBINE OVERSPEED PROTECTION SYSTEM		
TEXT 3.3.8	1	10/22/2003
Title: INSTRUMENTATION TRM RPS INSTRUMENTATION		
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	0	04/16/2009
Title: WATER MONITORING INSTRUMENTATION		

SSES 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: REACTOR COOLANT SYSTEM STRUCTURAL INTEGRITY

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 0 07/20/2010

Title: REACTOR RECIRCULATION SINGLE LOOP OPERATION SLO FLOW RATE RESTRICTION

TEXT 3.5.1 1 02/04/2005

Title: ECCS AND RCIC ADS MANUAL INHIBIT

TEXT 3.5.2 1 11/09/2007

Title: ECCS AND RCIC ECCS AND RCIC SYSTEM MONITORING INSTRUMENTATION

TEXT 3.5.3 0 11/19/2002

Title: ECCS AND RCIC LONG TERM NITROGEN SUPPLY TO ADS

TEXT 3.6.1 0 11/19/2002

Title: CONTAINMENT VENTING OR PURGING

TEXT 3.6.2 0 11/19/2002

Title: CONTAINMENT SUPPRESSION CHAMBER-TO-DRYWELL VACUUM BREAKER POSITION INDICATION

TEXT 3.6.3 0 11/19/2002

Title: CONTAINMENT SUPPRESSION POOL ALARM INSTRUMENTATION

SSES 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 2 04/16/2009
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 3 04/16/2009
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 9 09/21/2010
Title: PLANT SYSTEMS FIRE DETECTION INSTRUMENTATION

TEXT 3.7.4 1 04/26/2006
Title: PLANT SYSTEMS SOLID RADWASTE SYSTEM

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.7.5.1 0 11/19/2002

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 2 06/27/2008

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 7 12/03/2010

Title: PLANT SYSTEMS SNUBBERS

TEXT 3.7.9 1 08/28/2006

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 10/02/2009

Title: PLANT SYSTEMS

TEXT 3.8.1 2 02/04/2005

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

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT 3.8.3 1 04/05/2010
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 0 11/19/2002
Title: ELECTRICAL POWER DEGRADED VOLTAGE PROTECTION

TEXT 3.8.6 0 11/19/2002
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 0 11/19/2002
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 3.11.1.1 1 04/26/2006
Title: RADIOACTIVE EFFLUENTS LIQUID EFFLUENTS CONCENTRATION

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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 1 12/14/2004
Title: RADIOACTIVE EFFLUENTS LIQUID RADWASTE EFFLUENT MONITORING INSTRUMENTATION

TEXT 3.11.1.5 2 05/02/2007
Title: RADIOACTIVE EFFLUENTS RADIOACTIVE LIQUID PROCESS MONITORING INSTRUMENTATION

TEXT 3.11.2.1 3 04/26/2006
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 3 11/14/2006
Title: RADIOACTIVE EFFLUENTS VENTILATION EXHAUST TREATMENT SYSTEM

TEXT 3.11.2.6 4 09/16/2009
Title: RADIOACTIVE EFFLUENTS RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION

TEXT 3.11.3 1 04/26/2006
Title: RADIOACTIVE EFFLUENTS TOTAL DOSE

TEXT 3.11.4.1 3 04/26/2006
Title: RADIOACTIVE EFFLUENTS MONITORING PROGRAM

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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	0	09/27/2003	Title: ADMINISTRATIVE CONTROLS REPORTABLE EVENT ACTION
TEXT 4.3	0	09/27/2003	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
TEXT 4.7	0	09/27/2003	Title: ADMINISTRATIVE CONTROLS TRAINING

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.0	4	05/23/2008	Title: APPLICABILITY BASES TECHNICAL REQUIREMENT FOR OPERATION (TRO) APPLICABILITY
TEXT B3.1.1	1	11/09/2007	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	3	04/10/2007	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	0	11/19/2002	Title: INSTRUMENTATION BASES RADIATION MONITORING INSTRUMENTATION
TEXT B3.3.2	1	11/09/2007	Title: INSTRUMENTATION BASES SEISMIC MONITORING INSTRUMENTATION
TEXT B3.3.3	2	11/09/2007	Title: INSTRUMENTATION BASES METEOROLOGICAL MONITORING INSTRUMENTATION
TEXT B3.3.4	4	07/09/2010	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
TEXT B3.3.6	3	10/19/2005	Title: INSTRUMENTATION BASES TRM ISOLATION ACTUATION INSTRUMENTATION

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.3.7	1	11/09/2007	Title: INSTRUMENTATION BASES MAIN TURBINE OVERSPEED PROTECTION SYSTEM
TEXT B3.3.8	1	10/22/2003	Title: INSTRUMENTATION BASES TRM RPS INSTRUMENTATION
TEXT B3.3.9	3	05/14/2009	Title: INSTRUMENTATION BASES LPRM UPSCALE ALARM INSTRUMENTATION
TEXT B3.3.10	2	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	0	04/16/2009	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	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
TEXT B3.4.6	0	07/20/2010	Title: REACTOR RECIRCULATION SINGLE LOOP OPERATION SLO FLOW RATE RESTRICTION

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.5.1	0	11/19/2002	Title: ECCS AND RCIC BASES ADS MANUAL INHIBIT
TEXT B3.5.2	1	11/09/2007	Title: ECCS AND RCIC BASES ECCS AND RCIC SYSTEM MONITORING INSTRUMENTATION
TEXT B3.5.3	1	11/09/2007	Title: ECCS AND RCIC BASES 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	3	06/15/2010	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
TEXT B3.7.3.3	0	11/19/2002	Title: PLANT SYSTEMS BASES CO2 SYSTEMS

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.7.3.4 1 04/26/2006

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 1 01/12/2004

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 2 06/27/2008

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

TEXT B3.7.8 3 06/21/2007

Title: PLANT SYSTEMS BASES SNUBBERS

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.7.9 1 12/14/2004

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 04/14/2010

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 0 11/19/2002

Title: ELECTRICAL POWER BASES DEGRADED VOLTAGE PROTECTION

TEXT B3.8.6 1 02/04/2005

Title: ELECTRICAL POWER BASES EMERGENCY SWITCHGEAR ROOM COOLING

TEXT B3.8.7 1 06/15/2009

Title: BATTERY MAINTENANCE AND MONITORING PROGRAM

TEXT B3.9.1 0 11/19/2002

Title: REFUELING OPERATIONS BASES DECAY TIME

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

TEXT B3.9.2	0	11/19/2002	Title: REFUELING OPERATIONS BASES COMMUNICATIONS
TEXT B3.9.3	0	11/19/2002	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	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
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

SSES MANUAL

Manual Name: TRM2

Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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	4	11/14/2006	Title: RADIOACTIVE EFFLUENTS BASES VENTILATION EXHAUST TREATMENT SYSTEM
TEXT B3.11.2.6	1	01/27/2004	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	3	07/09/2010	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

LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
TOC	TABLE OF CONTENTS	07/15/2010
1.0	USE AND APPLICATION	
	Page TRM / 1.0-1	08/31/1998
	Page TRM / 1.0-2	10/04/2002
	Page TRM / 1.0-3	08/31/1998
2.0	PLANT PROGRAMS	
	Page 2.0-1	08/31/1998
	Pages TRM / 2.0-2 and TRM 2.0-3	01/28/2005
	Page TRM / 2.0-4	06/25/2002
	Page TRM / 2.0-5	04/12/1999
	Page TRM / 2.0-6	04/15/2009
	Page TRM / 2.0-7	05/15/2008
	Page TRM / 2.0-8	04/15/2009
	Page TRM / 2.0-9	11/15/2004
	Page TRM / 2.0-10	02/02/2010
	Page TRM / 2.0-11	11/15/2004
	Page TRM / 2.0-12	04/15/2009
	Pages TRM / 2.0-13 and TRM / 2.0-14	11/15/2004
	Page TRM / 2.0-15	11/15/2005
3.0	APPLICABILITY	
	Pages TRM / 3.0-1 and TRM / 3.0-2	04/14/2008
	Page TRM / 3.0-3	03/15/2002
	Page TRM / 3.0-4	11/30/2005
3.1	REACTIVITY CONTROL SYSTEMS	
	Page TRM / 3.1-1	10/31/2007
	Pages TRM / 3.1-2 through TRM / 3.1-5	08/31/1998
	Page TRM / 3.1-6	03/27/2007
	Page TRM / 3.1-7	04/15/2009
	Page TRM / 3.1-8	03/27/2007
	Pages TRM / 3.1-9 and TRM / 3.1-9a	02/18/1999
	Page TRM / 3.1-10	02/18/1999
3.2	CORE OPERATING LIMITS REPORT	
	Page TRM / 3.2-1	08/31/1998
	Pages TRM / 3.2-2 through TRM / 3.2-54	04/17/2009
3.3	INSTRUMENTATION	
	Pages TRM / 3.3-1 through TRM / 3.3-3	07/16/1999
	Pages TRM / 3.3-4 and TRM / 3.3-5	10/31/2007
	Page 3.3-6	08/31/1998
	Page TRM 3.3-7	10/31/2007
	Page 3.3-8	08/31/1998

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

PPL Rev. 65

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
	Pages TRM / 3.3-9 and TRM / 3.3-9a	06/30/2010
	Page TRM / 3.3-10	10/31/2007
	Pages TRM / 3.3-11 and TRM / 3.3-11a	06/30/2010
	Page TRM / 3.3-12	03/30/2001
	Page TRM / 3.3-13	09/13/2005
	Page TRM / 3.3-14	12/14/1998
	Page TRM / 3.3-15	10/22/2003
	Page TRM / 3.3-16	06/27/2001
	Page TRM / 3.3-17	06/14/2002
	Page TRM / 3.3-18	10/31/2007
	Pages TRM / 3.3-19 and TRM / 3.3-20	10/22/2003
	Page TRM / 3.3-21	04/15/2009
	Page TRM / 3.3-21a	11/15/2004
	Pages TRM / 3.3-21b through TRM / 3.3-21d	03/27/2007
	Page TRM / 3.3-22	12/03/2004
	Pages TRM / 3.3-23 and TRM / 3.3-24	05/16/2003
	Page TRM / 3.3-25	10/22/2003
	Pages TRM / 3.3-26 and TRM / 3.3-27	04/07/2009
3.4	REACTOR COOLANT SYSTEM	
	Page TRM / 3.4-1	03/31/2006
	Pages 3.4-2 through 3.4-5	10/23/1998
	Pages TRM / 3.4-6 through TRM / 3.4-8	04/01/2009
	Page 3.4-9	08/31/1998
	Page 3.4-10	10/31/2007
	Page 3.4-11	08/31/1998
	Page TRM / 3.4-12	04/17/2009
	Page TRM / 3.4-13	03/31/2006
	Page TRM / 3.4-14	07/15/2010
3.5	EMERGENCY CORE COOLING AND RCIC	
	Page TRM / 3.5-1	01/28/2005
	Pages 3.5-2 and 3.5-3	08/31/1998
	Page TRM / 3.5-4	10/31/2007
	Pages 3.5-5 through 3.5-7	08/31/1998
3.6	CONTAINMENT	
	Pages 3.6-1 through 3.6-4	08/31/1998
	Page TRM / 3.6-5	01/07/2002
	Page 3.6-6	08/31/1998
	Pages TRM / 3.6-7 through TRM / 3.6-9	12/31/2002

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

PPL Rev. 65

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
3.7	PLANT SYSTEMS	
	Pages TRM / 3.7-1 and TRM / 3.7-2	07/29/1999
	Page 3.7-3	08/31/1998
	Page TRM / 3.7-4	03/31/2006
	Page TRM / 3.7-5	04/07/2009
	Pages TRM / 3.7-6 through TRM / 3.7-8	08/02/1999
	Pages TRM / 3.7-9 and TRM / 3.7-10	04/07/2009
	Page TRM / 3.7-11	01/21/2000
	Page TRM / 3.7-12	08/02/1999
	Page TRM / 3.7-13	04/07/2009
	Page TRM / 3.7-14	08/09/2005
	Pages TRM / 3.7-15 and TRM / 3.7-16	08/02/1999
	Page TRM / 3.7-17	04/07/2009
	Page TRM / 3.7-18	08/02/1999
	Page TRM / 3.7-19	04/07/2009
	Pages TRM / 3.7-20 through TRM / 3.7-22	08/02/1999
	Page TRM / 3.7-23	04/07/2009
	Page TRM / 3.7-24	03/31/2006
	Pages TRM / 3.7-25 and TRM / 3.7-26	08/02/1999
	Page TRM / 3.7-27	10/31/2007
	Page TRM / 3.7-28	11/29/2006
	Page TRM / 3.7-29	01/13/2010
	Page TRM / 3.7-30	11/30/2005
	Page TRM / 3.7-31	11/16/2001
	Page TRM / 3.7-32	09/16/2010
	Page TRM / 3.7-33	10/05/2002
	Page TRM / 3.7-34	03/31/2006
	Pages TRM / 3.7-35 and TRM / 3.7-36	02/01/1999
	Pages 3.7-37 through 3.7-38	08/31/1998
	Page TRM / 3.7-39	03/31/2006
	Page TRM / 3.7-40	02/14/2005
	Page TRM / 3.7-40a	06/20/2008
	Page TRM / 3.7-41	09/04/2008
	Page TRM / 3.7-42	08/31/1998
	Pages TRM / 3.7-43 through TRM / 3.7-45	10/05/2006
	Page TRM / 3.7-46	06/07/2007
	Page TRM / 3.7-47	11/29/2010
	Page TRM / 3.7-48	06/07/2007
	Page TRM / 3.7-49	03/09/2001
	Page TRM / 3.7-50	08/16/2006
	Page TRM / 3.7-51	12/03/2004
	Page TRM / 3.7-52	04/15/2003
	Page TRM / 3.7-53	07/29/1999
	Page TRM / 3.7-54	04/01/2009
	Page TRM / 3.7-55	09/25/2009
	Page TRM / 3.7-56	04/01/2009

LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
3.8	ELECTRICAL POWER	
	Page TRM / 3.8-1	04/02/2002
	Pages TRM / 3.8-2 and TRM / 3.8-3	01/28/2005
	Page TRM / 3.8-4	01/31/2005
	Pages TRM / 3.8-5 and TRM / 3.8-6	04/02/2002
	Pages TRM / 3.8-7 through TRM / 3.8-10	10/31/2007
	Page TRM / 3.8-11	08/10/2004
	Page TRM / 3.8-12	12/03/2004
	Page TRM / 3.8-13	03/25/2010
	Page TRM / 3.8-14	08/31/1998
	Page TRM / 3.8-15	01/28/2005
	Pages TRM / 3.8-16 and TRM / 3.8-17	04/02/2002
	Page 3.8-18	02/01/1999
	Page TRM / 3.8-19	04/02/2002
	Page TRM / 3.8-20	02/01/1999
	Pages TRM / 3.8-21 through TRM / 3.8-23	06/06/1999
	Pages 3.8-24 and 3.8-25	08/31/1998
	Page TRM / 3.8-26	05/28/2009
	Page TRM / 3.8-27	11/29/2006
	Page TRM / 3.8-28	05/28/2009
	Page TRM / 3.8-29	10/20/2009
3.9	REFUELING OPERATIONS	
	Pages 3.9-1 through 3.9-3	08/31/1998
3.10	MISCELLANEOUS	
	Page TRM / 3.10-1	03/31/2006
	Pages 3.10-2 through 3.10-4	08/30/1998
	Pages TRM / 3.10-5 and TRM / 3.10-6	03/27/2007
	Page TRM / 3.10-7	06/10/2010
3.11	RADIOACTIVE EFFLUENTS	
	Page TRM / 3.11-1	03/31/2006
	Pages 3.11-2 through 3.11-3	08/31/1998
	Page TRM / 3.11-4	03/31/2006
	Page 3.11-5	08/31/1998
	Page TRM / 3.11-6	03/31/2006
	Pages 3.11-7 through 3.11-9	08/31/1998
	Page TRM / 3.11-10	12/03/2004
	Pages 3.11-11 and 3.11-12	08/31/1998
	Page TRM / 3.11-13	04/12/2007
	Page TRM / 3.11-14	12/03/1004
	Pages 3.11-15 and 3.11-16	09/01/1998
	Page TRM / 3.11-17	03/31/2006

LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
	Page 3.11-18	08/31/1998
	Page TRM / 3.11-19	08/15/2005
	Pages TRM / 3.11-20 and TRM / 3.11-21	03/31/2006
	Page TRM / 3.11-22	04/02/2002
	Page TRM / 3.11-23	11/14/2006
	Page TRM / 3.11-24	05/13/2005
	Page TRM / 3.11-25	04/12/2007
	Pages TRM / 3.11-26 and TRM / 3.11-27	01/21/2004
	Page TRM / 3.11-28	09/08/2009
	Page TRM / 3.11-29	12/03/2004
	Pages TRM 3.11-30 through TRM / 3.11-32	01/21/2004
	Page TRM / 3.11-33	03/31/2006
	Page 3.11-34	08/31/1998
	Page TRM / 3.11-35	03/31/2006
	Pages TRM / 3.11-36 through TRM / 3.11-39	11/30/2005
	Pages 3.11-40 through 3.11-44	08/31/1998
	Page TRM / 3.11-45	03/31/2006
	Page 3.11-46	08/31/1998
	Page TRM / 3.11-47	03/31/2006
3.12	LOADS CONTROL PROGRAM	
	Pages TRM / 3.12-1 through TRM / 3.12-3	02/05/1999
	Page TRM / 3.12-4	03/14/2008
	Page TRM / 3.12-5	02/05/1999
4.0	ADMINISTRATIVE CONTROLS	
	Pages TRM / 4.0-1 through TRM / 4.0-3	08/31/1998
	Page TRM / 4.0-4	12/11/2008
	Pages TRM / 4.0-5 through TRM / 4.0-8	08/31/1998

LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
B 3.0	APPLICABILITY BASES	
	Pages TRM / B 3.0-1 through TRM / B 3.0-3	08/31/1998
	Page TRM / B 3.0-4	01/10/2007
	Page TRM / B 3.0-5	04/14/2008
	Page TRM / B 3.0-6	08/31/1998
	Page TRM / B 3.0-7	04/12/2007
	Pages TRM / B 3.0-8 through TRM / B 3.0-10	08/31/1998
	Pages TRM / B 3.0-11 and TRM / B 3.0-12	03/15/2002
	Pages TRM / B 3.0-13 and TRM / B 3.0-14	11/30/2005
	Page TRM / B 3.0-15	03/15/2002
B 3.1	REACTIVITY CONTROL SYSTEMS BASES	
	Page TRM / B 3.1-1	07/13/1999
	Pages TRM / B 3.1-2 and TRM / B 3.1-3	10/31/2007
	Page B 3.1-4	08/31/1998
	Pages TRM / B 3.1-5 through TRM / B 3.1-7	03/27/2007
	Page TRM / B 3.1-8	02/18/1999
B 3.2	CORE OPERATING LIMITS BASES	
	Page B 3.2-1	08/31/1998
B 3.3	INSTRUMENTATION BASES	
	Page TRM / B 3.3-1	04/07/2000
	Pages TRM / B 3.3-2 and TRM / B-3.3-2a	10/31/2007
	Pages TRM / B 3.3-3 and TRM / B 3.3-3a	10/31/2007
	Page TRM / B 3.3-4	06/30/2010
	Page TRM / B 3.3-5	05/30/2006
	Page TRM / B 3.3-6	06/30/2010
	Page TRM / B 3.3-7	10/31/2007
	Page TRM / B 3.3-8	06/30/2010
	Page TRM / B 3.3-9	10/31/2007
	Page B 3.3-10	08/31/1998
	Pages TRM / B 3.3-11 and TRM / B 3.3-12	09/13/2005
	Page TRM / B 3.3-13	12/03/2004
	Page TRM / B 3.3-14	06/25/2002
	Page TRM / B 3.3-14a	10/31/2007
	Page TRM / B 3.3-14b	06/14/2002
	Pages TRM / B 3.3-15 through TRM / B 3.3-17	10/22/2003
	Pages TRM / B 3.3-18 and TRM / B 3.3-19	03/27/2007
	Pages TRM / B 3.3-19a and TRM / B 3.3-19b	03/27/2007
	Page TRM / B 3.3-19c	04/17/2009
	Pages TRM / B 3.3-19d and TRM / B 3.3-19e	03/27/2007
	Pages TRM / B 3.3-20 and TRM / B 3.3-21	08/03/2010
	Page TRM / B 3.3-22	10/22/2003
	Page TRM / B 3.3-23	05/16/2003
	Pages TRM / B 3.3-24 and TRM / B 3.3-25	04/07/2009

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

PPL Rev. 65

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
B 3.4	REACTOR COOLANT SYSTEM BASES	
	Page TRM / B 3.4-1	08/31/1998
	Pages TRM / B 3.4-2 and TRM / B3.4-3	04/01/2009
	Pages TRM / B 3.4-4 and TRM / B 3.4-4a	10/31/2007
	Page TRM / B 3.4-5	10/15/1999
	Page B 3.4-6	08/31/1998
	Page TRM / B 3.4-7	07/15/2010
B 3.5	ECCS AND RCIC BASES	
	Pages B 3.5-1 and B 3.5-2	08/31/1998
	Pages TRM / B 3.5-3 and TRM / B 3.5-3a	10/31/2007
	Page B 3.5-4	08/31/1998
	Page TRM / B 3.5-5	10/31/2007
B 3.6	CONTAINMENT BASES	
	Page TRM / B 3.6-1	07/26/2001
	Page TRM / B 3.6-2	02/01/1999
	Page B 3.6-3	08/31/1998
	Page TRM / B 3.6-4	03/29/2007
	Page TRM / B 3.6-5	04/04/2007
	Page TRM / B 3.6-6	12/03/2004
	Pages TRM / B 3.6-7 through TRM / B 3.6-11	12/31/2002
B 3.7	PLANT SYSTEMS BASES	
	Pages B 3.7-1 and B 3.7-2	08/31/1998
	Page TRM / B 3.7-3	06/10/2010
	Page TRM / B 3.7-3a	12/27/2007
	Page TRM / B 3.7-4	03/31/2006
	Page TRM / B 3.7-5	08/02/1999
	Pages TRM / B 3.7-6 and TRM / B 3.7-6a	03/31/2006
	Pages TRM / B 3.7-7 and TRM / B 3.7-7a	08/02/1999
	Page TRM / B 3.7-8	08/02/1999
	Page TRM / B 3.7-9	03/31/2006
	Page TRM / B 3.7-10	08/02/1999
	Pages TRM / B 3.7-10a through TRM / B 3.7-11a	03/31/2006
	Pages TRM / B 3.7-12 through TRM / B 3.7-14	08/02/1999
	Pages TRM / B 3.7-14a and TRM / B 3.7-14b	01/09/2004
	Pages TRM / B 3.7-15 and TRM / B 3.7-16	02/01/1999
	Pages B 3.7-17 through B 3.7-20	08/31/1998
	Page TRM / B 3.7-21	02/14/2005
	Page TRM / B 3.7-21a	06/20/2008
	Pages TRM / B 3.7-22 and TRM / B 3.7-23	01/30/2008
	Pages TRM / B 3.7-24 through TRM / B 3.7-29	10/05/2006

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

PPL Rev. 65

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
	Page TRM / B 3.7-30	06/07/2007
	Pages TRM / B 3.7-30a and TRM / B 3.7-30b	10/05/2006
	Page TRM / B 3.7-32	03/09/2001
	Page TRM / B 3.7-33	04/15/2003
	Page TRM / B 3.7-34	12/03/2004
	Page TRM / B 3.7-35	07/05/2000
	Pages TRM / B 3.7-36 and TRM / B 3.7-37	04/01/2009
	Page TRM / B 3.7-38	09/25/2009
	Page TRM / B 3.7-39	04/01/2009
	Page TRM / B 3.7-40	04/08/2010
B 3.8	ELECTRICAL POWER BASES	
	Page TRM / B 3.8-1	04/02/2002
	Pages TRM / B 3.8-2 and TRM / B 3.8-2	01/28/2005
	Page TRM / B 3.8-2a	03/01/2010
	Page TRM / B 3.8-3	04/02/2002
	Page TRM / B 3.8-3a	04/02/2002
	Page TRM / B 3.8-4	04/02/2002
	Page TRM / B 3.8-4a	08/10/2004
	Page TRM / B 3.8-5	08/31/1998
	Pages TRM / B 3.8-6 through TRM / B 3.8-16	04/02/2002
	Page TRM / B 3.8-17	01/28/2005
	Pages TRM / B 3.8-18 through TRM / B 3.8-20	11/29/2006
	Pages TRM / B 3.8-21 through TRM / B 3.8-24	05/28/2009
B.3.9	REFUELING OPERATIONS BASES	
	Pages B 3.9-1 and B 3.9-2	08/31/1998
	Pages B 3.9-3 through B 3.9-7	10/23/1998
B 3.10	MISCELLANEOUS BASES	
	Page B 3.10-1	08/31/1998
	Pages TRM / B 3.10-2 and TRM / B 3.10-3	03/27/2007
	Pages TRM / B 3.10-4 and TRM / B 3.10-5	08/23/1999
B 3.11	RADIOACTIVE EFFLUENTS BASES	
	Pages B 3.11-1 through B 3.11-9	08/31/1998
	Page TRM / B 3.11-10	02/01/1999
	Pages TRM/B 3.11-11 and TRM/B 3.11-11a	04/07/2000
	Pages TRM/B 3.11-12 and TRM/B 3.11-13	02/01/1999
	Page TRM / B 3.11-14	12/03/2004
	Page TRM / B 3.11-15	02/01/1999
	Pages B 3.11-16 through B 3.11-19	08/31/1998
	Page TRM / B 3.11-20	04/02/2002
	Page TRM / B 3.11-20a	04/02/2002

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL REQUIREMENTS MANUAL)

PPL Rev. 65

<u>Section</u>	<u>Title</u>	<u>Effective Date</u>
	Page TRM / B 3.11-21	05/13/2005
	Pages TRM / B 3.11-22 and TRM / B 3.11-23	11/14/2006
	Page TRM / B 3.11-23a	05/13/2005
	Pages TRM / B 3.11-24 and TRM / B 3.11-25	01/21/2004
	Pages B 3.11-26 through B 3.11-27	08/31/1998
	Pages TRM / B 3.11-28 and TRM / B 3.11-29	11/30/2005
	Page TRM / B 3.11-30	06/30/2010
	Pages TRM / B 3.11-31 and TRM / B 3.11-32	08/31/1998
	Page TRM / B 3.11-33	06/30/2010
	Pages TRM / B 3.11-34 and TRM / B 3.11-35	08/31/1998
	Page TRM / B 3.11-36	02/12/1999
B.3.12	LOADS CONTROL PROGRAM BASES	
	Page TRM / B 3.12-1	09/19/2007
	Page TRM / B 3.12-2	11/29/2010
	Page TRM / B 3.12-3	02/05/1999

TRM2 text LOES.doc
11/29/2010

3.7 Plant Systems

3.7.8 Snubbers

TRO 3.7.8 All snubbers shall be OPERABLE

APPLICABILITY: When associated supported system(s) are required to be OPERABLE

ACTIONS

----- NOTE -----

1. Separate condition entry is allowed for each snubber.
 2. The provisions of TRO 3.0.4 are not applicable.
-

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. One or more snubbers associated with only one subsystem of a multiple subsystem supported system or associated with a single subsystem supported system confirmed to be inoperable</p>	<p>A.1.1 Determine the location and the design function of the inoperable snubber(s) (mitigation of seismic or seismic and non-seismic loads).</p> <p><u>AND</u></p>	<p>Immediately</p>
	<p>A.1.2 Determine that an OPERABLE subsystem(s) involving equipment not associated with the inoperable snubber(s) exists to provide makeup and core cooling needed to mitigate a LOOP event.</p> <p><u>AND</u></p>	<p>Immediately</p>
	<p>A.1.3 Determine that the subsystem supported by the inoperable snubber would remain capable of performing its required safety or support functions for postulated design loads other than seismic loads.</p> <p><u>AND</u></p>	<p>Immediately</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
	<p>-----NOTE----- REQUIRED ACTIONS A.1.1 through A.1.3 must be completed prior to completing REQUIRED ACTION A.1.4. -----</p> <p>A.1.4 Enter LCO 3.0.8</p> <p><u>AND</u></p> <p>A.1.5 Replace or restore the inoperable snubber(s) to OPERABLE status</p>	<p>Immediately</p> <p>72 hours</p>
<p>B. One or more snubbers associated with more than one subsystem of a multiple subsystem supported system confirmed inoperable.</p>	<p>B.1.1 Determine the location and the design function of the inoperable snubber(s) (mitigation of seismic or seismic and non-seismic loads).</p> <p><u>AND</u></p> <p>B.1.2 Determine that an OPERABLE subsystem(s), involving equipment not associated with the inoperable snubber(s) exists to provide makeup and core cooling needed to mitigate a LOOP event.</p> <p><u>AND</u></p>	<p>Immediately</p> <p>Immediately</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
	<p>B.1.3 Determine that the subsystem supported by the inoperable snubber would remain capable of performing its required safety or support functions for postulated design loads other than seismic loads.</p> <p><u>AND</u></p> <p>-----NOTE----- REQUIRED ACTIONS B.1.1 through B.1.3 must be completed prior to completing REQUIRED ACTION B.1.4. -----</p> <p>B.1.4 Enter LCO 3.0.8</p> <p><u>AND</u></p> <p>B.1.5 Replace or restore the inoperable snubber(s) to OPERABLE status</p>	<p>Immediately</p> <p>Immediately</p> <p>12 hours</p>
<p>C. Required Action and associated Completion Time of Condition A or B not met</p>	<p>C.1 Declare the supported system inoperable</p>	<p>Immediately</p>

(continued)

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>D. Any snubber selected for functional testing either fails to activate or fails to move due to manufacturer or design deficiency.</p>	<p>D. -----NOTE----- This action shall be independent of the Testing Requirement for snubbers not meeting the functional test acceptance criteria per TRS 3.7.8.2 ----- All snubbers of the same design subject to the same defect shall be functionally tested</p>	<p>Within the current inspection interval.</p>
<p>E. The snubber service life will be exceeded prior to the next scheduled snubber service life review</p>	<p>E.1 Reevaluate the snubber service life <u>OR</u> E.2 Replace or recondition the snubber so as to extend its service life beyond the date of the next scheduled service life review</p>	<p>Prior to exceeding snubber service life Prior to exceeding snubber service life</p>

TECHNICAL REQUIREMENT SURVEILLANCE

SURVEILLANCE		FREQUENCY
<p>TRS 3.7.8.1</p>	<p>Demonstrate each snubber OPERABLE by performance of visual inspection</p>	<p>As directed by the ISI Program Plan</p>
<p>TRS 3.7.8.2</p>	<p>Perform functional test of a representative sampling of all snubbers per the ISI Program Plan.</p>	<p>24 months</p>

(continued)

TECHNICAL REQUIREMENT SURVEILLANCE (continued)

SURVEILLANCE	FREQUENCY
<p>TRS 3.7.8.3 -----NOTE----- Documentation of critical parts replaced so that the maximum service life is not exceeded shall be retained as required by FSAR 17.2.17.</p> <p>----- Monitor the installation and maintenance records for each snubber to ensure that the service life has not been exceeded and will not be exceeded prior to the next snubber surveillance inspection.</p>	24 months
<p>TRS 3.7.8.4 -----NOTE----- Snubbers tested per this surveillance are in addition to snubbers selected for the sample plan per TRS 3.7.8.2.</p> <p>----- Test snubbers in locations of snubbers that failed the functional test during the previous test period.</p>	At the time of the next functional test.
<p>TRS 3.7.8.5 An inspection shall be performed of all snubbers attached to sections of systems that have experienced unexpected, potentially damaging transients as determined from a review of operational data and a visual inspection of the systems.</p>	Within 6 months of transient



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B 3.12.2 Heavy Loads Requirements

BASES

TRO This TRO delineates the requirements for performing heavy load lifting in the proximity of irradiated fuel. A heavy load is defined as any load that exceeds 1000 lbs (e.g., Refueling Gates, Cask Pit Gates, Jib Crane, etc.). The proximity of irradiated fuel for heavy loads shall encompass the designated foreign material exclusion areas of both spent fuel pools, the cask storage pit with irradiated fuel present, the Reactor Pressure Vessel with the Steam Separator removed, or any other areas as determined by the Refuel Floor Manager. The definition of proximity of irradiated fuel excludes the movement of the Steam Separator and Steam Dryer over the Reactor Pressure Vessel. The requirements are specified to ensure that no heavy load drop results in fission product release greater than that stated in Reference 1.

Actions The Actions are defined to ensure proper corrective measures are taken when requirements are not met. The suspension of movement of a heavy load shall not preclude completion of movement of the heavy load to a safe position.

TRS The TRSs are defined to be performed at the specific Frequency to ensure that the specified requirements are implemented.

REFERENCES 1. NUREG 0612 "Control of Heavy Loads at Nuclear Power Plants"
