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DUKE POWER

May 9, 1991

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Subject: McGuire Nuclear Station
Docket No. 50-369, -370
Selected Licensee Commitments Manual (SLC)

Gentlemen:

Pursuant to 10 CFR 50.4 and 50.71, please find attached 7 copies of the latest revision dated 5/91 to the McGuire Selected Licensee Commitments Manual. The SLC Manual is Chapter 16 to the McGuire FSAR. This manual is meant to contain commitments and other station issues that we believe warrant higher control, but are not appropriate in the Technical Specifications (TS). Instead of being updated with the annual FSAR Update, the SLC Manual will be updated monthly as needed during the year.

Very truly yours,

M.S. Tuckman

M.S. Tuckman

HAF/haf

Attachment

xc: S. D. Ebner
Regional Administrator, Region II

T. A. Reed, ONRR

P. K. VanDoorn, McGuire

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'91*

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DUKE POWER

May 8, 1991

RE: McGuire Nuclear Station
Selected Licensee Commitments
Effective 5/91

Please revise your copy of the Selected Licensee Commitments manual as follows:

Remove these pages

LOEP 1, 3, 4, 5
16.2-2
Table 16.8-1b (Pages 1-38)

Insert these pages

LOEP 1, 3, 4, 5
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Table 16.8-1b (Pages 1-39)

If you have any questions or problems, I may be contacted at (704) 373-7720.

R. L. Gill, Jr., Technical System Manager
Regulatory Compliance

A handwritten signature in cursive script, appearing to read 'Helen Froebe'.

By: Helen Froebe
Regulatory Compliance

HAF/hf

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Selected Licensee Commitments
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Entry into an OPERATIONAL MODE or other specified condition shall not be made unless the conditions for the commitments are met without reliance on provisions contained in the Remedial Actions unless approved by the Station Manager and/or responsible Group Superintendent. This provision shall not prevent passage through or to OPERATIONAL MODES as required to comply with Remedial Actions. Exceptions to these requirements are stated in the individual specifications.

16.2.5 This item delineates the applicability of each commitment to Unit 1 and Unit 2 operation.

Commitments including the associated Remedial Actions shall apply to each unit individually unless otherwise indicated as follows:

- a. Whenever the Commitment refers to systems or components which are shared by both units, the Remedial Actions will apply to both units simultaneously. This will be indicated in the Remedial Actions;
- b. Whenever the Commitment applies to only one unit, this will be identified in the APPLICABILITY section of the commitment; and
- c. Whenever certain portions of a commitment contain operating parameters, setpoints etc., which are different for each unit, this will be identified in parentheses or footnotes. (For example, "flow rate of 54,000 cfm (Unit 1) or 43,000 cfm (Unit 2)...").

16.2.6 This item provides that Testing Procedures are necessary to ensure the commitments are met and will be performed during the OPERATIONAL MODES or other conditions for which the commitments are applicable. Provisions for additional Testing Procedures to be performed without regard to the applicable OPERATIONAL MODES or other conditions are provided in the individual Testing Procedures. Testing Procedures for Special conditions need only be performed when the Special Condition is being utilized as an exception to an individual commitment.

Testing Procedures shall be performed during the OPERATIONAL MODES or other conditions specified for individual commitment unless otherwise stated in an individual Testing Procedure or Reference.

16.2.7 This item provides allowable tolerance for performing testing activities beyond those specified in the nominal testing frequency. The tolerance is necessary to provide operational flexibility because of scheduling and performance considerations. The phrase "at least" associated with a testing frequency does not negate this allowable tolerance value and permits the performance of more frequent surveillance activities.

Each Testing Procedure shall be performed on its specified frequency with a maximum allowable extension not to exceed 25% of the test frequency.

16.2.8 This item sets forth the criteria for determination of compliance with the OPERABILITY requirements of the commitment. Under this criteria, equipment, systems or components are assumed to be OPERABLE if the associated testing procedures have been satisfactorily performed within the specified test frequency. Nothing in this provision is to be construed as defining equipment, systems or components OPERABLE, when such items are found or known to be inoperable although still meeting the testing requirements.

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
1. 6900 VAC-Swgr			
Primary Bkr-RCP2A	5.0	15.4 @ 25A	Reactor Coolant Pump 2A
Backup Bkr-2TA-5	5.0	16.5 @ 20A	
Primary Bkr-RCP2B	5.0	15.4 @ 25A	Reactor Coolant Pump 2B
Backup Bkr-2TB-5	5.0	16.5 @ 20A	
Primary Bkr-RCP2C	5.0	15.4 @ 25A	Reactor Coolant Pump 2C
Backup Bkr-2TC-5	5.0	16.5 @ 20A	
Primary Bkr-RCP2D	5.0	15.4 @ 25A	Reactor Coolant Pump 2D
Backup Bkr-2TD-5	5.0	16.5 @ 20A	
2. 600 VAC-MCC			
2EMXA-2 1D			
Primary Bkr	20	45 @ 60A	NC Pump 2C Thermal Barrier
Backup Fuse	20	N.A.	Outlet Auto Isol Vlv 2KC345A
2EMXA-2 1E			
Primary Bkr	20	45 @ 60A	NC Pump 2A Thermal Barrier
Backup Fuse	20	N.A.	Outlet Auto Isol Vlv 2KC394A
2EMXA-2 2A			
Primary Bkr	20	45 @ 60A	Cont Air Return Fan 2A Damper
Backup Fuse	20	N.A.	2RAF-D-2

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXA-2 2B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	N2 to Prt Cont Isol Inside Vlv 2NC54A
2EMXA-2 2C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	RCP Mtg Brg Oil Fill Isol Vlv 2NC196A
2EMXA-2 3A Primary Bkr Backup Fuse	30 30	45 @ 90A N.A.	Accumulator 2A Disch Isol Vlv 2NI54A
2EMXA-2 3B Primary Bkr Backup Fuse	30 30	45 @ 90A N.A.	Accumulator 2C Disch Isol Vlv 2NI76A
2EMXA-2 3C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Test Hdr Inside Cont Isol Vlv 2NI95A
2EMXA-2 4A Primary Bkr Backup Fuse	Note 1 20 20	45 @ 60A N.A.	UHI Check Vlv Test Line Isol Vlv 2NI266A

Note 1: Upon the deactivation of the UHI System by removal of related components and piping and modifications to the Cold Leg Accumulators, this specification is no longer applicable.

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXA-2 4B Primary Bkr Backup Fuse	Note 1 20 20	45 @ 60A N.A.	UHI Check Vlv Test Line Isol Vlv 2NI267A
2EMXA-2 4C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Accum 2A Vent to 2NC34 for Blkout Vlv 2NI430A
2EMXA-5 1B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Pzr Steam Sample Line Inside Cont Isol Vlv 2NM3A
2EMXA-5 2C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Pzr Steam Sample Line Inside Cont Isol Vlv 2NM6A
2EMXA-5 3B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	NC Hotleg 2A Sample Line Cont Isol Vlv 2NM22A
2EMXA-5 2D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	NC Hotleg 2D Sample Line Cont Isol Vlv 2NM25A
2EMXA-2 7A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	SG 2A Upper Shell Sample Cont Isol Vlv 2NM187A

Note 1: Upon the deactivation of the UHI System by removal of related components and piping and modifications to the Cold Leg Accumulators, this specification is no longer applicable.

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXA-2 7B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	SG 2A Blowdown Line Sample Cont Isol Vlv 2NM190A
2EMXA-2 7C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	SG 2C Upper Shell Sample Cont Isol Vlv 2NM207A
2EMXA-2 8A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	SG 2C Blowdown Line Sample Cont Isol Vlv 2NM210A
2EMXA-4 1B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	NC Pump Seal Return Cont Vlv 2NV94AC
2EMXA-3 1A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Lower Cont. Vent. Unit Discharge Cont. Isol. Vlv. 2RV76A
2EMXA-3 3A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	H2 Purge Exhaust Cont Vessel Isol Vlv 2VE5A
2EMXA-3 3B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Cont H2 Purge Blower Inlet Valve 2VE8A
2EMXA-3 3C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	H2 Purge Inlet Cont Vessel Isol Vlv 2VE10A

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXA-4 2C			
Primary Bkr	20	45 @ 60A	Standby Makeup Pump Inlet
Backup Fuse	20	N.A.	Isol Valve 2NV842AC
2EMXA-3 4A			
Primary Bkr	20	45 @ 60A	H2 Skimmer Fan 2A Suction
Backup Fuse	20	N.A.	Isol Vlv 2VX1A
2EMXA-3 5B			
Primary Bkr	20	45 @ 60A	RCDT Pump Disch Cont Isol
Backup Fuse	20	N.A.	Vlv 2WL2A
2EMXA-3 5C			
Primary Bkr	20	45 @ 60A	RCDT Vent Cont Isol
Backup Fuse	20	N.A.	Vlv 2WL39A
2EMXA-3 6A			
Primary Bkr	20	45 @ 60A	RB Sump Pump Disch Cont
Backup Fuse	20	N.A.	Isol Vlv 2WL64
2EMXA-3 6B			
Primary Bkr	20	45 @ 60A	Cont Vent Unit Condensate
Backup Fuse	20	N.A.	Cont Isol Vlv 2WL321A
2EMXB-4 1B			
Primary Bkr	20	45 @ 60A	NC Pump 2B Thermal Barrier
Backup Fuse	20	N.A.	Outlet Auto Isol Vlv 2KC364B
2EMXB-4 1C			
Primary Bkr	20	45 @ 60A	NC Pump 2D Thermal Barrier
Backup Fuse	20	N.A.	Auto Isol Vlv 2KC413B

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXB-4 2A			
Primary Bkr	20	45 @ 60A	NC Pumps Return Hdr Pend
Backup Fuse	20	N.A.	Inside Isol Vlv 2KC424B
2EMXB-4 2B			
Primary Bkr	20	45 @ 60A	Reactor Bldg Drn Hdr
Backup Fuse	20	N.A.	Inside Cont Isol Vlv 2KC429B
2EMXB-4 2C			
Primary Bkr	30	45 @ 90A	Accumulator 2B Disch Isol Vlv
Backup Fuse	30	N.A.	2NI165B
2EMXB-4 3D			
Primary Bkr	30	45 @ 90A	Accumulator 2D Disch Isol Vlv
Backup Fuse	30	N.A.	2NI88B
2EMXB-4 3E			
Primary Bkr	20	45 @ 60A	Hotleg Inj Check 2NI124,
Backup Fuse	20	N.A.	2NI128 Test Isol Vlv 2NI122B
2EMXB-4 4A			
Primary Bkr	20	45 @ 60A	Cont Air Return Fan 2B
Backup Fuse	20	N.A.	Damper 2RAF-D-4
2EMXB-4 4C			
Primary Bkr	20	45 @ 60A	NI Accum 2A Sample Line
Backup Fuse	20	N.A.	Inside Cont Isol Vlv 2NM72B
2EMXA-4 3B			
Primary Bkr	20	45 @ 60A	Standby Makeup Cont Isol
Backup Fuse	20	N.A.	Valve Outside 2NV849AC

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXB-4 5A			
Primary Bkr	20	45 @ 60A	NI Accum 2B Sample Line
Backup Fuse	20	N.A.	Inside Cont Isol Vlv 2NM75B
2EMXB-4 5B			
Primary Bkr	20	45 @ 60A	NI Accum 2C Sample Line
Backup Fuse	20	N.A.	Inside Cont Isol Vlv 2NM78B
2EMXB-4 5C			
Primary Bkr	20	45 @ 60A	Accum 2B Vent to 2NC32
Backup Fuse	20	N.A.	for Blkout Vlv 2NI431B
2EMXB-4 6A			
Primary Bkr	20	45 @ 60A	NI Accum 2D Sample Line
Backup Fuse	20	N.A.	Inside Cont Isol Valve 2NM81B
2EMXB-4 6B			
Primary Bkr	20	45 @ 60A	SG 2B Upper Shell Sample
Backup Fuse	20	N.A.	Cont Isol Vlv 2NM197B
2EMXB-4 6C			
Primary Bkr	20	45 @ 60A	SG 2B Blowdown Line Sample
Backup Fuse	20	N.A.	Cont Isol Vlv 2NM200B
2EMXB-4 7B			
Primary Bkr	20	45 @ 60A	SG 2D Uper Shell Sample
Backup Fuse	20	N.A.	Cont Isol Vlv 2NM217B

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXB-4 7C			
Primary Bkr	20	45 @ 60A	SG 2D Blowdown Line Sample
Backup Fuse	20	N.A.	Cont Isol Vlv 2NM220B
2EMXB-5 1A			
Primary Bkr	20	45 @ 60A	H2 Purge Exhaust Cont Vessel
Backup Fuse	20	N.A.	Isol Vlv 2VE6B
2EMXB-5 1B			
Primary Bkr	20	45 @ 60A	Lower Cont. Vent. Unit Supply
Backup Fuse	20	N.A.	Cont. Isol. Vlv. 2RV33B
2EMXB-5 1C			
Primary Bkr	20	45 @ 60A	H2 Skimmer Fan 2B Suction
Backup Fuse	20	N.A.	Isol Vlv 2VX2B
2EMXC-1A			
Primary Bkr	200	250 @ 600A	Lower Containment Cooling
Backup Fuse	200	N.A.	Unit No. 2A
2EMXC-2A			
Primary Bkr	200	250 @ 600A	Lower Containment Cooling
Backup Fuse	200	N.A.	Unit No. 2C
2EMXC-3C			
Primary Bkr	100	110 @ 300A	Control Rod Drive Vent Fan
Backup Fuse	100	N.A.	No. 2A
2EMXC-3D			
Primary Bkr	100	110 @ 300A	Control Rod Drive Vent Fan
Backup Fuse	100	N.A.	No. 2C

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXC-4C			
Primary Bkr	90	110 @ 270A	Containment Air Return Fan
Backup Fuse	90	N.A.	No. 2A
2EMXC-4D			
Primary Bkr	90	110 @ 270A	Hydrogen Recombiner
Backup Fuse	90	N.A.	No. 2A
2EMXC-6A			
Primary Bkr	40	45 @ 120A	Containment Pipe Tunnel
Backup Fuse	40	N.A.	Booster Fan CPT-BF-2A
2EMXC-6B			
Primary Bkr	30	45 @ 90A	Upper Containment Air Handling
Backup Fuse	30	N.A.	Unit 2A
2EMXC-6C			
Primary Bkr	30	45 @ 90A	Upper Containment Air Hdlg
Backup Fuse	30	N.A.	Unit 2C No. 2C
2EMXC-6D			
Primary Bkr	90	110 @ 270A	Hydrogen Skimmer Fan
Backup Fuse	90	N.A.	
2EMXC-7C			
Primary Bkr	20	45 @ 60A	Upper Cont Return Air Fan
Backup Fuse	20	N.A.	No. 2C

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXC-7D			
Primary Bkr	20	45 @ 60A	Pzr Pwr Oper Relief
Backup Fuse	20	N.A.	Isol Vlv 2NC33A
2EMXC-8C			
Primary Bkr	20	45 @ 60A	Incore Instrumentation Rm
Backup Fuse	20	N.A.	Air Hdlg Unit 2A
2EMXC-7B			
Primary Bkr	20	45 @ 60A	Upper Containment Return
Backup Fuse	20	N.A.	Air Fan No. 2A
2EMXA-4 3C			
Primary Bkr	30	45 @ 90A	NC Loop 2C Discharge to ND
Backup Fuse	30	N.A.	System Cont Isol Vlv 2ND 2AC
2EMXD-4			
Primary Bkr	200	250 @ 600A	Lower Containment Cooling Unit
Backup Fuse	200	N.A.	No. 2B
2EMXD-2A			
Primary Bkr	200	250 @ 600A	Lower Containment Cooling Unit
Backup Fuse	200	N.A.	No. 2D
2EMXD-3B			
Primary Bkr	40	45 @ 120A	Containment Pipe Tunnel Booster
Backup Fuse	40	N.A.	Fan CPT-BF-2B

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXD-3C Primary Bkr Backup Fuse	100 100	110 @ 300A N.A.	Control Rod Drive Vent Fan No. 2B
2EMXD-3D Primary Bkr Backup Fuse	100 100	110 @ 300A N.A.	Control Rod Drive Vent Fan No. 2D
2EMXD-4C Primary Bkr Backup Fuse	90 90	110 @ 270A N.A.	Containment Air Return Fan No. 2B Fan CPT-BF-2A
2EMXD-4D Primary Bkr Backup Fuse	90 90	110 @ 270A N.A.	Hydrogen Recombiner No. 2B
2EMXD-6C Primary Bkr Backup Fuse	30 30	45 @ 90A N.A.	Upper Containment Air Hd'g Unit No. 2B
2EMXD-6D Primary Bkr Backup Fuse	30 30	45 @ 90A N.A.	Upper Containment Air Hd'g Unit No. 2D
2EMXD-6E Primary Bkr Backup Fuse	90 90	110 @ 270A N.A.	Hydrogen Skimmer Fan No. 2B

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2EMXD-7B			
Primary Bkr	20	45 @ 60A	Upper Cont Return Air Fan
Backup Fuse	20	N.A.	No. 2D
2EMXD-7C			
Primary Bkr	20	45 @ 60A	Pzr Pwr Oper Safety Relief
Backup Fuse	20	N.A.	Isol Vlv 2NC31B
2EMXD-7D			
Primary Bkr	20	45 @ 60A	Pzr Pwr Oper Relief
Backup Fuse	20	N.A.	Isol Vlv 2NC35B
2EMXD-8B			
Primary Bkr	20	45 @ 60A	Incore Instrumentation
Backup Fuse	20	N.A.	Rm Air Hdlg Unit 2B
2EMXD-5C			
Primary Bkr	20	45 @ 60A	Upper Containment Return
Backup Fuse	20	N.A.	Air Fan 2B
2EMXD-8D			
Primary Bkr	30	45 @ 90A	NC Loop 2C Disch to ND
Backup Fuse	30	N.A.	System Cont Isol Vlv 2ND1B
2MXM F2A			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR14
Backup Fuse	40	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM F2B			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR15
Backup Fuse	40	N.A.	
2MXM F2D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A1 Blower A
Backup Fuse	20	N.A.	
2MXM F2E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A2 Blower A
Backup Fuse	20	N.A.	
2MXM FJA			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR16
Backup Fuse	40	N.A.	
2MXM F3B			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR17
Backup Fuse	40	N.A.	
2MXM F3C			
Primary Bkr	25	45 @ 75A	Reactor Bldg Equip Hdlg 5 Ton
Backup Fuse	25	N.A.	Jib Crane
2MXM F3D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A3 Blower A
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 14 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM F3E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A4 Blower A
Backup Fuse	20	N.A.	
2MXM F4A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A5 Blower A
Backup Fuse	20	N.A.	
2MXM F4B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A6 Blower A
Backup Fuse	20	N.A.	
2MXM F4C			
Primary Bkr	20	45 @ 60A	Incore Inst Room Sump Pump
Backup Fuse	20	N.A.	
2MXM F4D			
Primary Bkr	100	110 @ 300A	Upper Cont Welding Recpt
Backup Fuse	100	N.A.	
2MXM F5A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A7 Blower A
Backup Fuse	20	N.A.	
2MXM F5B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A8 Blower A
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 15 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM F5D			
Primary Bkr	100	110 @ 300A	Welding Feeder
Backup Fuse	100	N.A.	
2MXM F1C			
Primary Bkr	50	110 @ 150A	Ice Cond Floor Cooling
Backup Fuse	50	N.A.	Defrost Heater 2A
2MXM F8C			
Primary Bkr	60	110 @ 180A	Reactor Coolant Drain Tank
Backup Fuse	60	N.A.	Pump 2A
2MXM F6A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A9 Blower A
Backup Fuse	20	N.A.	
2MXM F6B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A10 Blower A
Backup Fuse	20	N.A.	
2MXM F6C			
Primary Bkr	30	45 @ 90A	Lower Cont Aux Charcoal
Backup Fuse	30	N.A.	Filter Fan 2A
2MXM F7A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A11 Blower A
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 16 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM F7B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A12 Blower A
Backup Fuse	20	N.A.	
2MXM F7C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A13 Blower A
Backup Fuse	20	N.A.	
2MXM R1A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B1 Blower A
Backup Fuse	20	N.A.	
2MXM R1B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B2 Blower A
Backup Fuse	20	N.A.	
2MXM R1C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B3 Blower A
Backup Fuse	20	N.A.	
2MXM R1D			
Primary Bkr	30	45 @ 90A	RCP 2A Oil Lift Pump
Backup Fuse	30	N.A.	
2MXM R2A			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR12
Backup Fuse	40	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM R2D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B4 Blower A
Backup Fuse	20	N.A.	
2MXM R2E			
Primary Bkr	30	45 @ 90A	RCP 2B Oil Lift Pump
Backup Fuse	30	N.A.	
2MXM R3D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B5 Blower A
Backup Fuse	20	N.A.	
2MXM R3E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B6 Blower A
Backup Fuse	20	N.A.	
2MXM R3F			
Primary Bkr	30	45 @ 90A	RCP 2C Oil Lift Pump
Backup Fuse	30	N.A.	
2MXM R4D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B7 Blower A
Backup Fuse	20	N.A.	
2MXM R4E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B8 Blower A
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 18 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM R4F			
Primary Bkr	30	45 @ 90A	RCP 2D Oil Lift Pump
Backup Fuse	30	N.A.	
2MXM R5B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B9 Blower A
Backup Fuse	20	N.A.	
2MXM R5C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B10 Blower A
Backup Fuse	20	N.A.	
2MXM R5D			
Primary Bkr	175	200 @ 525A	Ice Cond Equip Pwr Pnlbd 2B
Backup Fuse	175	N.A.	
2MXM R6A			
Primary Bkr	20	45 @ 60A	Rod Cntrl Cluster
Backup Fuse	20	N.A.	Change Fixture Hoist Drive
2MXM R6B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B11 Blower A
Backup Fuse	20	N.A.	
2MXM R7A			
Primary Bkr	20	45 @ 60A	Stud Tensioner Hoist
Backup Fuse	20	N.A.	
2MXM R6D			
Primary Bkr	150	110 @ 450A	175 Ton Polar Crane
Backup Fuse	150	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXM R7B			
Primary Bkr	20	45 @ 60A	Incore Inst Drive 2A
Backup Fuse	20	N.A.	
2MXM R7D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B12
Backup Fuse	20	N.A.	
2MXM R7E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B13 Blower A
Backup Fuse	20	N.A.	
2MXM R8A			
Primary Bkr	20	45 @ 60A	Incore Inst Drive 2B
Backup Fuse	20	N.A.	
2MXM R8B			
Primary Bkr	20	45 @ 60A	Incore Inst Drive 2C
Backup Fuse	20	N.A.	
2MXM R8D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B14 Blower A
Backup Fuse	20	N.A.	
2MXM R8E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B15 Blower A
Backup Fuse	20	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXMA-1D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A14 Blower A
2MXMA-1E Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Cont Floor & Equip Sump 2A Pump 2A1
2MXM-R2C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	RCPM Maintenance Crane Recpt 2A, 2B, 2C, & 2D
2MXMA-2B Primary Bkr Backup Fuse	25 25	45 @ 75A N.A.	Lighting Pnlbd 2LR6
2MXMA-2C Primary Bkr Backup Fuse	40 40	45 @ 120A N.A.	Lighting Pnlbd 2LR18
2MXMA-2D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A15 Blower A
2MXMA-3A Primary Bkr Backup Fuse	25 25	45 @ 75A N.A.	Lighting Pnlbd 2LR9

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXMA-3B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond Equip Access Door 2A
2MXMA-3C Primary Bkr Backup Fuse	50 50	110 @ 150A N.A.	Ice Cond Floor Cooling Pump 2A
2MXMA-3D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Cont Floor & Equip Sump 2B Pump 2B1
2MXN-F2A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A1 Blower B
2MXN-F2B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A2 Blower B
2MXN-F2C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A3 Blower B
2MXN-F2D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A4 Blower B

TABLE 16.8-1b (Page 22 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-F3A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A5 Blower B
Backup Fuse	20	N.A.	
2MXN-F3B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A6 Blower B
Backup Fuse	20	N.A.	
2MXN-F3C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A7 Blower B
Backup Fuse	20	N.A.	
2MXN-F3D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A8 Blower B
Backup Fuse	20	N.A.	
2MXN-F4A			
Primary Bkr	25	45 @ 75A	Lighting Pnlbd 2LR1
Backup Fuse	25	N.A.	
2MXN-F4C			
Primary Bkr	25	45 @ 75A	Lighting Pnlbd 2LR2
Backup Fuse	25	N.A.	
2MXN-F4D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A9 Blower B
Backup Fuse	20	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-F4E Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A10 Blower B
2MXN-F5A Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Incore Inst Drive No. 2D
2MXN-F5B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Incore Inst Drive No. 2E
2MXN-F5C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Incore Inst Drive No. 2F
2MXN-F5D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Cont Floor & Equip Sump 2A Pump 2A2
2MXN-F1C Primary Bkr Backup Fuse	60 60	110 @ 180A N.A.	Reactor Coolant Drain Tank Pump 2B
2MXN-F8B Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Cont Floor & Equip Sump 2B Pump 2B2

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-F8C Primary Bkr Backup Fuse	50 50	110 @ 150A N.A.	Ice Cond Floor Cooling Defrost Htr 2B
2MXN-F6A Primary Bkr Backup Fuse	25 25	45 @ 75A N.A.	Lighting Pnlbd 2LR4
2MXN-F6B Primary Bkr Backup Fuse	25 25	45 @ 75A N.A.	Lighting Pnlbd 2LR5
2MXN-F6C Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Fuel Transfer Sys Reactor Side Fdr
2MXN-F6D Primary Bkr Backup Fuse	20 20	45 @ 60A N.A.	Ice Cond AHU 2A11 Blower B
2MXN-F7A Primary Bkr Backup Fuse	40 40	45 @ 120A N.A.	Lighting Pnlbd 2LR19
2MXN-F7C Primary Bkr Backup Fuse	40 40	45 @ 120A N.A.	Lighting Pnlbd 2LR20
2MXN-F6E Primary Bkr Backup Fuse	30 30	45 @ 90A N.A.	Hydrogen Purge Inlet Blower Motor No. 2

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-F7D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A12 Blower B
Backup Fuse	20	N.A.	
2MXN-F7E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A13 Blower B
Backup Fuse	20	N.A.	
2MXN-R1D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B1 Blower B
Backup Fuse	20	N.A.	
2MXN-R1E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B2 Blower B
Backup Fuse	20	N.A.	
2MXN-R1F			
Primary Bkr	30	45 @ 90A	RCP 2A Oil Lift Pump No. 2
Backup Fuse	30	N.A.	
2MXN-R2C			
Primary Bkr	30	45 @ 90A	Reactor Cavity Manipulator
Backup Fuse	30	N.A.	Crane
2MXN-R2F			
Primary Bkr	30	45 @ 90A	RCP 2B Oil Lift Pump No. 2
Backup Fuse	30	N.A.	

TABLE 16.8-1b (Page 26 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-R3A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B3 Blower B
Backup Fuse	20	N.A.	
2MXN-R3B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B4 Blower B
Backup Fuse	20	N.A.	
2MXN-R3C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B5 Blower B
Backup Fuse	20	N.A.	
2MXN-R3D			
Primary Bkr	30	45 @ 90A	RCP 2C Oil Lift Pump No. 2
Backup Fuse	30	N.A.	
2MXN-R4A			
Primary Bkr	50	110 @ 150A	Ice Cond Bridge Crane
Backup Fuse	50	N.A.	
2MXN-R4B			
Primary Bkr	30	45 @ 90A	RB Equip Hatch Hoist
Backup Fuse	30	N.A.	
2MXN-R4D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B6 Blower B
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 27 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-R4E			
Primary Bkr	30	45 @ 90A	RCP 2D Oil Lift Pump No. 2
Backup Fuse	30	N.A.	
2MXN-R5D			
Primary Bkr	175	200 @ 525A	Ice Cond Equip Pwr Pnlbd 2A
Backup Fuse	175	N.A.	
2MXN-R6A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B7 Blower B
Backup Fuse	20	N.A.	
2MXN-R6B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B8 Blower B
Backup Fuse	20	N.A.	
2MXN-R6C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B9 Blower B
Backup Fuse	20	N.A.	
2MXN-R6D			
Primary Bkr	100	110 @ 300A	Welding Fdr
Backup Fuse	100	N.A.	
2MXN-R7A			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B10 Blower B
Backup Fuse	20	N.A.	
2MXN-R5A			
Primary Bkr	20	45 @ 60A	Control Room Area Duct
Backup Fuse	20	N.A.	Heater CRA-H

TABLE 16.8-1b (Page 28 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXN-R7B			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B11 Blower B
Backup Fuse	20	N.A.	
2MXN-R7C			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B12 Blower B
Backup Fuse	20	N.A.	
2MXN-R7D			
Primary Bkr	50	110 @ 150A	Ice Cond Floor Cooling Pump 2B
Backup Fuse	50	N.A.	
2MXN-R8D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B13 Blower B
Backup Fuse	20	N.A.	
2MXN-R8E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B14 Blower B
Backup Fuse	20	N.A.	
2MXN-R8F			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2B15 Blower B
Backup Fuse	20	N.A.	
2MXNA-1B			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR10
Backup Fuse	40	N.A.	
SMXG-R3G			
Primary Bkr	20	45 @ 60A	Standby Makeup Pump to Cont
Backup Fuse	20	N.A.	Sump Isol Valve 2NV1012C

TABLE 1F.8-1b (Page 29 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXNA-1C			
Primary Bkr	40	45 @ 120A	Lighting Pnlbd 2LR11
Backup Fuse	40	N.A.	
2MXNA-1E			
Primary Bkr	30	45 @ 90A	Lower Cont Aux Charcoal
Backup Fuse	30	N.A.	Filter Fan 2B
2MXNA-2B			
Primary Bkr	25	45 @ 75A	Lighting Pnlbd 2LR7
Backup Fuse	25	N.A.	
2MXNA-2C			
Primary Bkr	25	45 @ 75A	Lighting Pnlbd 2LR8
Backup Fuse	25	N.A.	
2MXNA-2D			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A14 Blower B
Backup Fuse	20	N.A.	
2MXNA-2E			
Primary Bkr	20	45 @ 60A	Ice Cond AHU 2A15 Blower B
Backup Fuse	20	N.A.	
2MXNA-3A			
Primary Bkr	20	45 @ 60A	2 Ton CRDM Hdlg Jib Crane
Backup Fuse	20	N.A.	
SMXG-R4F			
Primary Bkr	20	45 @ 60A	Standby Makeup Pump to NC
Backup Fuse	20	N.A.	Pump Seals Isol Valve 2NV1013C

TABLE 16.8-1b (Page 30 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
2. 600 VAC-MCC (Continued)			
2MXNA-3C			
Primary Bkr	20	45 @ 60A	NC Pump Motor Drain Tank
Backup Fuse	20	N.A.	Pump No. 1
2MXNA-3D			
Primary Bkr	20	45 @ 60A	Ice Cond Equip Access Door 1B
Backup Fuse	20	N.A.	
SMXD-3E			
Primary Bkr	15	45 @ 45A	Unit 2 Personnel Lock
Backup Fuse	15	N.A.	
SMXV-2F			
Primary Bkr	15	45 @ 45A	Unit 2 Emergency Personnel Lock
Backup Fuse	15	N.A.	
3. 600 VAC-Press Htr Pwr Pnl			
Backup Press Htr Pwr Pnl 2A-1A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 1, 2, & 22
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2A-1B			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 5, 6, & 27
Backup Fuse	90	N.A.	

TABLE 16.8-1b (Page 31 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
3. 600 VAC-Press Htr Pwr Pnl's (Continued)			
Backup Press Htr Pwr Pnl 2A-1C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 9, 10,
Backup Fuse	90	N.A.	& 32
Backup Press Htr Pwr Pnl 2A-2C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 11, 12,
Backup Fuse	90	N.A.	& 35
Backup Press Htr Pwr Pnl 2A-2D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 13, 14
Backup Fuse	90	N.A.	& 37
Backup Press Htr Pwr Pnl 2A-2E			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 17, 18,
Backup Fuse	90	N.A.	& 42
Backup Press Htr Pwr Pnl 2B-1A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 21, 47,
Backup Fuse	90	N.A.	& 48
Backup Press Htr Pwr Pnl 2B-1B			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 26, 53,
Backup Fuse	90	N.A.	& 54

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
3. 600 VAC-Press Htr Pwr Pnl (Continued)			
Backup Press Htr Pwr Pnl 2C-1C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 24, 51, & 52
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-1D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 29, 57, & 58
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 34, 63, & 64
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 39, 69, & 70
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2E			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 44, 75, & 76
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-1A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 3, 4, & 25
Backup Fuse	90	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
3. 600 VAC-Press Htr Pwr Pnl's (Continued)			
Backup Press Htr Pwr Pnl 2B-1C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 31, 59, & 60
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2B-2C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 36, 65, & 66
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2B-2D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 41, 71, & 72
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2B-2E			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 46, 77, & 78
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-1A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 7, 8, & 30
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-1B			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 19, 20, & 45
Backup Fuse	90	N.A.	

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UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
3. 600 VAC-Press Htr Pwr Pnl (Continued)			
Backup Press Htr Pwr Pnl 2C-1C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 24, 51, & 52
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-1D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 29, 57, & 58
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 34, 63, & 64
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 39, 69, & 70
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2C-2E			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 44, 75, & 76
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-1A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 3, 4, & 25
Backup Fuse	90	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
3. 600 VAC-Press Htr Pwr Pnl (Continued)			
Backup Press Htr Pwr Pnl 2D-1B			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 15, 16, & 40
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-1C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 23, 49, & 50
Backup Fuse	90	N.A.	
MCC SMXG-R5A			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 28, 55, & 56
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-2C			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 33, 61, & 62
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-2D			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 38, 67, & 68
Backup Fuse	90	N.A.	
Backup Press Htr Pwr Pnl 2D-2E			
Primary Bkr	90	110 @ 270A	Pressurizer Heaters 43, 73, & 74
Backup Fuse	90	N.A.	

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
4. 120 VAC-Panelboards			
KXB-6			
Primary Bkr	20	40 @ 60A	Rad Mon Sys Sample Valves
Backup Fuse	10	N.A.	2MISV-5584, 5585, & 5586
2KM-19			
Primary Bkr	20	45 @ 90A	RCP 2A Space Htr
Backup Fuse	20	N.A.	
2KM-20			
Primary Bkr	20	45 @ 90A	RCP 2C Space Htr
Backup Fuse	20	N.A.	
2KN-30			
Primary Bkr	20	36 @ 60A	Cont Spray Sys Rh
Backup Fuse	20	N.A.	Trans 2 NSMT-5410
2KN-29			
Primary Bkr	20	36 @ 60A	Spray Sys Rh
Backup Fuse	20	N.A.	2 NSMT-5400
2KN-19			
Primary Bkr	20	45 @ 90A	Space Htr
Backup Fuse	20	N.A.	
2KN-20			
Primary Bkr	20	45 @ 90A	RCP 2D Space Htr
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 37 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
4. 120 VAC-Panelboards (Continued)			
2KM-29			
Primary Bkr	30	36 @ 60A	Unit 2
Backup Fuse	20	N.A.	Incore Inst Dehum #1
2KN-27			
Primary Bkr	20	36 @ 60A	Fuel Handling Control Console
Backup Fuse	20	N.A.	
2KN-25			
Primary Bkr	30	36 @ 60A	Unit 2 Incore Inst
Backup Fuse	20	N.A.	Dehum #2
KRB-22			
Primary Bkr	30	45 @ 90A	Rad Monitors 2EMF-3 &
Backup Fuse	1	N.A.	2EMF-4
2EVKD-11			
Primary Bkr	20	40 @ 60A	Rad Mon Sys Sample
Backup Fuse	6	N.A.	Solenoid Valves
			2MISV 5581 and 5583
5. 250 VDC-Lighting			
RB Deadlight Pnlbd			
2DLD #1			
Primary Bkr	20	40 @ 60A	Ltg Pnl Nos. 2LR1 & 2LR2
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 38 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
5. 250 VDC-Lighting (Continued)			
RB Deadlight Pnlbd 2DLD #3			
Primary Bkr	20	40 @ 60A	Ltg Pnl Nos. 2LR4, 2LR5, &
Backup Fuse	20	N.A.	2LR6
RB Deadlight Pnlbd 2DLD #4			
Primary Bkr	20	40 @ 60A	Ltg Pnl Nos. 2LR7, 2LR8, & 2LR9
Backup Fuse	20	N.A.	
RB Deadlight Pnlbd 2DLD #6			
Primary Bkr	20	40 @ 60A	Ltg Pnl Nos. 2LR12
Backup Fuse	20	N.A.	
RB Deadlight Pnlbd 2DLD #7			
Primary Bkr	20	40 @ 60A	Ltg Pnl No. 2LR16
Backup Fuse	20	N.A.	
RB Deadlight Pnlbd 2DLD #9			
Primary Bkr	20	40 @ 60A	Ltg Pnl Nos. 2LR18 & 2LR17
Backup Fuse	20	N.A.	

TABLE 16.8-1b (Page 39 of 39)

UNIT 2 CONTAINMENT PENETRATION CONDUCTOR OVERCURRENT PROTECTIVE DEVICES

DEVICE NUMBER & LOCATION	TRIP SETPOINT OR CONT. RATING (AMPERES)	RESPONSE TIME (SECONDS)	SYSTEM POWERED
6. 600 VAC - LC			
Outage Power Fuse Box 2A			
Primary Fuse	150	N.A.	Upper Containment Safety
Backup Fuse	150	N.A.	Switch 2A
Primary Fuse	150	N.A.	Upper Containment Safety
Backup Fuse	150	N.A.	Switch 2B
Primary Fuse	200	N.A.	Lower Containment Outage
Backup Fuse	200	N.A.	Power Distr. Pnl 2A
Primary Fuse	225	N.A.	Lower Containment Outage
Backup Fuse	225	N.A.	Power Distr. Pnl 2B