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REFERENCE:

MCGUIRE NUCLEAR STATION  
SELECTED LICENSE COMMITMENTS  
  
MANUAL

QA CONDITION  YES  NO

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REMARKS:

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BY K L CRANE KLC/MSP MG01RC

April 25, 1996

To: All Holders of the Selected Licensee Commitments Manual

Please find attached new SLC 16.8-2, "Switchyard Activities." Your copy of the SLC manual should be revised as follows:

**Remove these pages:**

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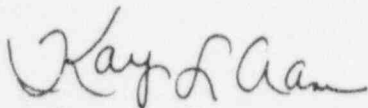
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Questions or problems should be directed to Kay Crane,  
McGuire Regulatory Compliance at extension 4306.



Kay L. Crane,  
McGuire Regulatory Compliance

McGuire Nuclear Station  
Selected Licensee Commitments  
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16.8 ELECTRICAL POWER SYSTEMS

16.8-2 SWITCHYARD ACTIVITIES

COMMITMENT

Switchyard activities that may affect the availability and reliability of offsite power shall be identified as important to safe plant operation. These activities include the following:

230KV Switchyard

1. Work on equipment within the Unit 1 busline boundary. The busline boundary includes the structures, supporting structures, bus, equipment, and hardware from the high side windings of the Unit 1 main stepup transformers up to and including the busline breakers 8, 9, 11 and 12 and their associated disconnects.
2. Work on the protective relaying and/or controls and their cables for equipment within the Unit 1 busline boundary.

525KV Switchyard

1. Work on equipment within the Unit 2 busline boundary. The busline boundary includes the structures, supporting structures, bus, equipment, and hardware from the high side windings of the Unit 2 main stepup transformers up to and including the busline breakers 58, 59, 61 and 62 and their associated disconnects.
2. Work on the protective relaying and/or controls and their cables for equipment within the Unit 2 busline boundary.

Shared Systems between 230KV and 525KV Switchyards:

1. Work on the following Switchyard AC auxiliary equipment:  
(Reference One Line Diagram MC 801-02)
  1. AC load centers and their associated transformers:  
MCOESILXSTA  
MCOESILXSTB  
MCOESILXSTC  
MCOESILXSTD
  2. AC load center feeder circuits to Unit 1 and/or Unit 2 busline boundary equipment:  
Panelboard SPA breakers 6 and 7  
Panelboard SPB breakers 8 and 9  
Panelboard SPC breakers 7, 8 and 9  
Panelboard SPD breaker 11

3. AC load center feeder circuits to battery chargers:
  - Panelboard SPA breaker 23
  - Panelboard SPB breaker 23
  - Panelboard SPC breaker 18
  
2. Work on the following Switchyard 125V DC system equipment that includes the batteries, chargers, distribution bus, and panelboards. This equipment excludes the panelboard feeders, which are addressed in #3 below: (Reference MC 802-01)
  1. Batteries:
    - MCOESHBASY1
    - MCOESHBASY2
  
  2. Battery Chargers:
    - MCOESHBCSY1
    - MCOESHBCSY2
    - MCOESHBCSY3
  
  3. 125 VDC Switchyard Distribution Centers:
    - SY-DC1
    - SY-DC2
  
  4. 125 VDC Switchyard Panelboards:
 

DYA	DYI
DYB	DYJ
DYC	DYK
DYD	DYL
DYE	DYM
DYF	DYN
DYG	DYO
DYH	DYP
  
3. Work on the Switchyard 125V DC panelboard feeders that serve the Unit 1 and/or Unit 2 busline boundary equipment (Reference MC 802-01)
  1. 125 VDC Switchyard Panelboard Feeder Breakers:
    - DYA - 11, 12
    - DYB - 5, 6
    - DYC - 1, 2, 3, 4, 16, 17, 18 19
    - DYD - 1, 3, 4, 5, 6
    - DYE - 9, 10, 12, 13
    - DYF - 4, 5, 6, 7, 14, 15, 16, 17
    - DYH - 1, 3, 4, 5, 6
    - DYI - 11, 12
    - DYJ - 5, 6, 13, 14, 15, 18, 19
    - DYK - 20
    - DYL - 5, 6, 7, 8, 13
    - DYM - 9, 10, 12, 13, 18, 19, 20
    - DYN - 14, 15, 16
    - DYO - 20
    - DYP - 6, 7, 9, 10

General:

1. Cranes or other heavy equipment that have the potential to touch or affect any or all of the four buslines as they are moved in or out of the switchyard, or anywhere within the switchyard where they could touch or affect the buslines.

APPLICABILITY: Modes 1 through 6

REMEDIAL ACTION: Restore equipment to normal operating conditions and/or alignments as soon as possible.

TESTING REQUIREMENTS: None

REFERENCES:

McGuire FSAR, Chapter 8  
McGuire Technical Specifications and Bases, 3/4.8, 3.8.1.1, 3.8.1.2  
Nuclear System Directive 409, Nuclear Generation Department/Power  
Delivery Department Switchyard Interface Agreement  
Nuclear System Directive 502, Corporate Conduct of Operations in the  
Switchyard  
MCC 1535.00-00-0006, SAAG File 208: McGuire Units 1 and 2 PRA Risk  
Significant SSCs for the Maintenance Rule  
NSAC-203 (EPRI), Losses of Off-Site Power at U. S. Nuclear Power Plants  
through 1993.  
MC-801-02 One Line Diagram, 230/525KV Switchyard 480/277 AC Load Centers  
(Rev 21)  
MC-802-01 One Line Diagram, 230/525KV Switchyard 125V DC System (Rev 27)

BASIS:

From the probabilistic risk assessment of McGuire Units 1 and 2, it may be concluded that it is important to minimize the risk of a loss of offsite power (LOOP) event, and it is important to be able to restore offsite power following a LOOP event. The identified risk significant activities are a result of an engineering review to determine those systems or actions that are significant to help maximize the availability and reliability of offsite power. The activities are combinations or alignment and design considerations and good practices, as well as lessons learned from past industry events that have been initiators of or contributors to LOOP events.

This SLC was created to provide a method of tracking the switchyard systems for the purposes of supporting WPM 607 (Maintenance Rule Assessment of Equipment out of Service) and 10 CFR 50.65 (Requirements for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants.)