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MANUAL (SLC)

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MEMORANDUM	NA	024 06/13/02																	
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REMARKS: PLEASE UPDATE YOUR MANUAL ACCORDINGLY

EB

H B BARRON, JR.
VICE PRESIDENT
MCGUIRE NUCLEAR STATION

BY:
P T VU MG01RC PTV/CMK

A001

June 13, 2002

MEMORANDUM

To: All McGuire Nuclear Station Selected Licensee Commitments (SLC) Manual Holders

Subject: McGuire SLC Manual Update

Please revise your copy of the manual as follows:

REMOVE	INSERT
List of Effective Sections	List of Effective Sections Revision 24
Table of Contents	Table of Contents Revision 27
	Entire SLC 16.6.4 Revision 27 (This is a new SLC)
Entire SLC 16.7.8	Entire SLC 16.7.8 Revision 26
Entire SLC 16.8.3	Entire SLC 16.8.3 Revision 26

Revisions may skip numbers due to Regulatory Compliance Filing System.

Please call me if you have questions.

PT Vu
Bonnie Beaver
Regulatory Compliance

SLC LIST OF EFFECTIVE SECTIONS

SECTION	REVISION NUMBER	DATE
16.1	REVISION 0	12/14/99
16.2	REVISION 0	12/14/99
16.3	REVISION 0	12/14/99
16.4	Not Issued	
16.5.1	REVISION 0	12/14/99
16.5.2	REVISION 0	12/14/99
16.5.3	REVISION 0	12/14/99
16.5.4	REVISION 7	09/14/00
16.5.5	REVISION 0	12/14/99
16.5.6	REVISION 0	12/14/99
16.5.7	REVISION 0	12/14/99
16.5.8	REVISION 0	12/14/99
16.5.9	REVISION 0	12/14/99
16.5.10	REVISION 0	12/14/99
16.6.1	REVISION 0	12/14/99
16.6.2	REVISION 0	12/14/99
16.6.3	REVISION 17	04/08/02
16.6.4	REVISION 27	06/12/02
16.7.1	REVISION 0	12/14/99
16.7.2	REVISION 24	4/29/02
16.7.3	REVISION 0	12/14/99
16.7.4	REVISION 1	4/11/00
16.7.5	REVISION 0	12/14/99
16.7.6	REVISION 0	12/14/99
16.7.7	REVISION 0	12/14/99
16.7.8	REVISION 26	6/3/02
16.7.9	REVISION 0	12/14/99
16.7.10	REVISION 0	12/14/99
16.8.1	REVISION 2	4/11/00
16.8.2	REVISION 0	12/14/99
16.8.3	REVISION 26	6/3/02
16.9.1	REVISION 18	12/4/01
16.9.2	REVISION 5	5/24/00
16.9.3	REVISION 0	12/14/99
16.9.4	REVISION 1	03/02/00
16.9.5	REVISION 0	12/14/99
16.9.6	REVISION 0	12/14/99
16.9.7	REVISION 25	5/14/02
16.9.8	REVISION 0	12/14/99
16.9.9	REVISION 13	2/26/01
16.9.10	REVISION 13	2/26/01
16.9.11	REVISION 22	2/25/02
16.9.12	REVISION 13	2/26/01
16.9.13	REVISION 13	2/26/01
16.9.14	REVISION 22	2/25/02
16.9.15	REVISION 25	5/14/02
16.9.16	REVISION 19	12/03/01

SLC LIST OF EFFECTIVE SECTIONS

SECTION	REVISION NUMBER	DATE
16.9.17	REVISION 0	12/14/99
16.9.18	REVISION 0	12/14/99
16.9.19	REVISION 0	12/14/99
16.9.20	REVISION 8	11/30/00
16.9.21	REVISION 0	12/14/99
16.9.22	REVISION 0	12/14/99
16.9.23	Not Issued	
16.9.24	REVISION 20	1/17/02
16.10.1	REVISION 0	12/14/99
16.11.1	REVISION 9	2/1/01
16.11.2	REVISION 23	4/4/02
16.11.3	REVISION 0	12/14/99
16.11.4	REVISION 0	12/14/99
16.11.5	REVISION 0	12/14/99
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16.11.7	REVISION 12	3/14/01
16.11.8	REVISION 0	12/14/99
16.11.9	REVISION 0	12/14/99
16.11.10	REVISION 0	12/14/99
16.11.11	REVISION 0	12/14/99
16.11.12	REVISION 0	12/14/99
16.11.13	REVISION 0	12/14/99
16.11.14	REVISION 21	1/17/02
16.11.15	REVISION 21	1/17/02
16.11.16	REVISION 1	4/11/00
16.11.17	REVISION 1	4/11/00
16.11.18	REVISION 0	12/14/99
16.11.19	REVISION 0	12/14/99
16.11.20	REVISION 0	12/14/99
16.12.1	REVISION 0	12/14/99
16.12.2	REVISION 0	12/14/99
16.13.1	REVISION 0	12/14/99
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16.14.1	REVISION 0	12/14/99

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16.6. ENGINEERED SAFETY FEATURES

16.6.4 Safety Injection System Nozzles

COMMITMENT: Reporting of ECCS Injections and Nozzle Usage Factors

APPLICABILITY: MODES 1, 2, and 3.

REMEDIAL ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
The ECCS is actuated and injects water into the Reactor Coolant System and the current value of the usage factor for an affected safety injection nozzle exceeds 0.70.	A Special Report shall be prepared and submitted to the NRC describing the circumstances of the actuation and the total accumulated actuation cycles to date. The current value of the usage factor for each affected Safety Injection nozzle shall be provided.	90 days

TESTING REQUIREMENTS

None

BASES

Duke letter, "Justification for Continued Operation with Seven Thermal Sleeves Removed," dated December 14, 1983, provided the results of evaluations performed by Westinghouse and Duke as a basis for continued operation of McGuire Units 1 and 2 without thermal sleeves installed in the reactor coolant system nozzles. The NRC's letter and safety evaluation (SER) dated December 30, 1986, concluded that continued operation was acceptable and that the requirements of License Condition (LC) 2.C.(4) had been completed. The NRC staff's acceptance recognized that McGuire's Technical Specification 3/4.5.2 required reporting of the usage factor of each nozzle if the value exceeded 0.70 and the ECCS actuated and injected water into the reactor coolant system. During implementation of Improved Technical Specifications, this reporting requirement was inadvertently removed.

By letter dated June 13, 2000, as supplemented on August 20, 2001 and September 10, 2001, McGuire submitted a proposed License Amendment Request (LAR). This purpose of this LAR was to delete LCs that had previously been completed. In the September 10, 2001 letter, McGuire committed to ensure proper notification is accomplished in the event the usage factor of affected safety injection nozzles exceeds the 0.70 value following an ECCS actuation and injection of water into the reactor coolant system. The NRC issued approved License Amendment 200/181 by letter dated December 5, 2001.

REFERENCES

1, McGuire License Amendment Request dated June 13, 2000, as supplemented by letters August 30, 2001 and September 10, 2001.

2. NRC letter dated December 5, 2001, McGuire Nuclear Station, Units 1 and 2 Issuance of Amendments RE: License Conditions (TAC NOS. MA9297 and MA9298)

16.7 INSTRUMENTATION

16.7.8 Explosive Gas Monitoring Instrumentation

COMMITMENT One hydrogen monitor and two oxygen monitors for the in-service hydrogen recombiner train shall be OPERABLE with their Alarm/Trip Setpoints set to ensure that the limits of Technical Specification 5.5.12 are not exceeded.

APPLICABILITY During WASTE GAS HOLDUP SYSTEM operation.

REMEDIAL ACTIONS

CONDITION		REQUIRED ACTION		COMPLETION TIME
A.	One required hydrogen monitor inoperable.	A.1	Suspend oxygen supply to the recombiner.	Immediately
B.	One required oxygen monitor inoperable.	B.1	Restore the required oxygen monitor to OPERABLE status.	14 days
C.	Two required oxygen monitors inoperable.	C.1	Be in MODE 3.	6 hours
D.	Required Action and associated Completion Time not met.	D.1	Prepare and submit a Special Report to the NRC explaining why the inoperability was not corrected in the time specified.	30 days

TESTING REQUIREMENTS

	TEST	FREQUENCY
TR 16.7.8.1	Perform CHANNEL CHECK.	12 hours
TR 16.7.8.2	Perform CHANNEL OPERATIONAL TEST.	31 days
TR 16.7.8.3	----------NOTES---------- 1. The CHANNEL CALIBRATION of the hydrogen monitor shall include the use of standard gas samples corresponding to alarm setpoints in accordance with the manufacturer's recommendations. 2. The CHANNEL CALIBRATION of the oxygen monitor shall include the use of standard gas samples in accordance with the manufacturer's recommendations. 3. A standard gas sample of nominal 4 volume percent oxygen, balance nitrogen, shall be used in the calibration to check linearity of the oxygen monitor. ---------- Perform a CHANNEL CALIBRATION.	92 days

BASES

The gas instrumentation is provided for monitoring and controlling the concentrations of potentially explosive gas mixtures in the WASTE GAS HOLDUP SYSTEM.

SLC 16.7.8 requires that one hydrogen and two oxygen monitors per train be OPERABLE in the Waste Gas (WG) System to ensure that explosive gas mixtures are not allowed in the WG System.

Only one recombiner train is in service at a time. Therefore, the requirement for one hydrogen and two oxygen monitors shall apply only to the train in service.

The requirement for oxygen monitors may be satisfied for Train "A" by using two of the following three monitors:

0WGMT5790 0WGMT6210 0WGMT6211

The requirement for hydrogen monitors may be satisfied for Train "A" by using OWGMT5590.

The requirement for oxygen monitors may be satisfied for Train "B" by using two of the following three monitors:

0WGMT5780 0WGMT6210 0WGMT6211

The requirement for hydrogen monitors may be satisfied for Train "B" by using OWGMT5580.

Loops OWGMT5580 and OWGMT5590 have both hydrogen and oxygen monitoring capability. The oxygen monitoring portion of these two loops shall not be used to satisfy the oxygen monitor requirements of either train because these oxygen monitors measure the oxygen concentration at the recombiner inlet after the addition of bulk oxygen. This is not representative of the Waste Gas System as defined in SLC 16.11.19. These oxygen monitors will be used for the operation of the hydrogen recombiners but will not be used to satisfy the requirements of SLC 16.7.8.

REFERENCES

1. UFSAR, Section 11.3

2. System Description

3. Catalytic Hydrogen Recombiner Operational Manual, MCM-1201.04-0174.

16.8 ELECTRICAL POWER SYSTEMS

16.8.3 Diesel Generator (DG) Supplemental Testing Requirements

COMMITMENT The DG supplemental testing requirements specified below shall be met.

APPLICABILITY: MODES 1, 2, 3, 4, 5, and 6

----------NOTE----------
The testing requirements for the DG batteries are not required in MODES 5 and 6.

REMEDIAL ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Commitment not met.	A.1 Declare DG inoperable.	Immediately

TESTING REQUIREMENTS

TEST	FREQUENCY
TR 16.8.3.1 Verify the electrolyte level of each DG battery is above the plates.	7 days
TR 16.8.3.2 Verify overall DG battery voltage is $\geq$ 125 volts under a float charge.	7 days
TR 16.8.3.3 Verify DG batteries and battery racks show no visual indication of physical damage or abnormal deterioration.	18 months

(continued)

TESTING REQUIREMENTS (continued)

	TEST	FREQUENCY
TR 16.8.3.4	Verify DG battery-to-battery and terminal connections are clean, tight, free of corrosion and coated with anti-corrosion material.	18 months
TR 16.8.3.5	Perform DG battery service test	18 months
TR 16.8.3.6	Remove accumulated water from DG day tank.	After each run of ≥1 hour
TR 16.8.3.7	Perform DG inspection, during shutdown, in accordance with manufacturer's recommendations for this class of standby service.	18 months
TR 16.8.3.8	Verify that the fuel oil transfer pump transfers fuel from each fuel storage tank to the day tank of each DG via the installed cross-connection lines.	18 months
TR 16.8.3.9	----------NOTE---------- This Testing Requirement may be performed in conjunction with periodic pre-planned preventative maintenance activity that causes the DG to be inoperable provided that performance of the Testing Requirement does not increase the time the DG would be inoperable for the maintenance activity alone. ---------- Verify, during shutdown, that the turning gear engaged or emergency stop features prevent DG starting only when required.	18 months
TR 16.8.3.10	Perform a pressure test of those portions of the diesel fuel oil system designed to ASME Section III, subsection ND in accordance with applicable NRC-approved ASME code requirements.	10 years

BASES

The Testing Requirements for demonstrating the OPERABILITY of the diesel generators are in accordance with the recommendations of Regulatory Guides and Generic Letters referenced below.

TR 16.8.3.9 is modified with a note. This TR specifies that it is to be performed during shutdown. This note allows the TR to be performed during preplanned Preventative Maintenance (PM) activities that would result in the diesel generator being inoperable. This TR can be performed at that time as long as it does not increase the time the diesel generator is inoperable for the PM activity that is being performed. The note is only applicable at that time. The provision of the note shall not be utilized for operational convenience.

Since the McGuire emergency diesel generator manufacturer (Nordberg) is no longer in business, McGuire engineering is the designer of record. Therefore, in the absence of manufacturer recommendations, McGuire engineering will determine the appropriate actions required for nuclear class diesel service taking into account McGuire diesel generator maintenance and operating history and industry experience where applicable.

REFERENCES

1. Regulatory Guide 1.9, Selection of Diesel Generator Set Capacity for Standby Power Supplies, March 10, 1971.

2. Regulatory Guide 1.108, Periodic Testing of Diesel Generator Units Used as Onsite Electric Power Systems at Nuclear Power Plants, Revision 1, August 1977.

3. Regulatory Guide 1.137, Fuel-Oil Systems for Standby Diesel Generators, Revision 1, October 1979.

4. Generic Letter 84-15, which modified the testing frequencies specified in Regulatory Guide 1.108.

5. Generic Letter 93-05, which reduced the surveillance requirements for testing of Diesel Generators during power operation.

6. Generic Letter 94-01, which removed the accelerated testing and special reporting requirements for Emergency Diesel Generators.