

Distribution:

1. Boyer, Robert P
2. Carroll, Michael E
3. Gardner, Troy R
4. Helton, Daniel E
5. Mc Ginnis, Vickie L
6. MCG DOC CNTRL MISC MAN
7. MCG OPS PROCEDURE GP
8. MCG OPS STAFF MGR
9. MCG PLANT ENG. LIBR.
10. Miller, Don
11. Morton, Jill C
12. OPS HUMAN PERFORMANCE -
13. OPS TRNG MGR.
14. RESIDENT NRC INSPECT
15. SERV BLDG FILE ROOM -
16. U S NUC REG WASHINGTON, DC
17. USNRC

Duke Energy DOCUMENT TRANSMITTAL FORM

Facility: **MCGUIRE NUCLEAR STATION**
SUBJECT
MNS SLC TOC Rev. 42

Page 1 of 1

Date: **6/29/2016**

Document Transmittal #: **TR-NUC-MC-003486**

Purpose: **Issue**

Released By:

Duke Energy

13225 Hagers Ferry Road

Document Management

MG02DM

Huntersville, NC 28078

MNSDCRM@duke-energy.com

Document ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
LICN - MC - MNS-SLC-TOC - 42 - ISSUED	FYI E	FYI E	FYI E	FYI E	FYI E	FYI E	R&A E	R&A E	FYI E	FYI E	FYI E	FYI E	R&A E	PRINT E	FYI E	R&A E	R&A E

Remarks: **Remove previous revision & replace with revision 42.**

ADD
NRR

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
16.1	INTRODUCTION	16.1-1
16.2	APPLICABILITY	16.2-1
16.3	DEFINITIONS	16.3-1
16.4	COMMITMENTS RELATED TO REACTOR COMPONENTS	
16.5	COMMITMENTS RELATED TO REACTOR COOLANT SYSTEM	
16.5.1	Inventory Control – Reduced Inventory Operation	16.5.1-1
16.5.2	Power Systems and Decay Heat Removal - Reduced Inventory Operation	16.5.2-1
16.5.3	Reactivity Control - Reduced Inventory Operation	16.5.3-1
16.5.4	NCS Instrumentation – Reduced Inventory Operation	16.5.4-1
16.5.5	Containment Closure - Reduced Inventory Operation	16.5.5-1
16.5.6	DELETED Revision 120 12/30/10	
16.5.7	Chemistry	16.5.7-1
16.5.8	Pressurizer	16.5.8-1
16.5.9	Structural Integrity	16.5.9-1
16.5.10	Reactor Vessel Head Vent System	16.5.10-1
16.6	COMMITMENTS RELATED TO ENGINEERED SAFETY FEATURES	
16.6.1	Containment Sump	16.6.1-1
16.6.2	DELETED Revision 43 6/11/03	
16.6.3	Inlet Door Position Monitoring System	16.6.3-1
16.6.4	Safety Injection System Nozzles	16.6.4-1
16.7	COMMITMENTS RELATED TO INSTRUMENTATION	
16.7.1	ATWS/AMSAC	16.7.1-1
16.7.2	Seismic Instrumentation	16.7.2-1
16.7.3	Meteorological Instrumentation	16.7.3-1

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
16.7.4	Loose-Part Detection Instrumentation	16.7.4-1
16.7.5	Turbine Overspeed Protection	16.7.5-1
16.7.6	Radiation Monitoring for Plant Operations	16.7.6-1
16.7.7	Movable Incore Detectors	16.7.7-1
16.7.8	Explosive Gas Monitoring Instrumentation	16.7.8-1
16.7.9	Rod Position Indication System – Shutdown	16.7.9-1
16.7.10	Rod Position Indication System – Test Exception	16.7.10-1
16.7.11	Hydrogen Monitors	16.7.11-1
16.7.12	Leading Edge Flow Meter (LEFM) System	16.7.12-1
16.7.13	Water Level - Spent Fuel Storage Pool	16.7.13-1
16.7.14	Source Range HF@SD Alarm	16.7.14-1
16.8	COMMITMENTS RELATED TO ELECTRICAL POWER SYSTEMS	
16.8.1	Containment Penetration Overcurrent Protective Devices	16.8.1-1
16.8.2	Switchyard Activities	16.8.2-1
16.8.3	DG Supplemental Testing Requirements	16.8.3-1
16.9	COMMITMENTS RELATED TO AUXILIARY SYSTEMS	
16.9.1	Fire Suppression Water System	16.9.1-1
16.9.2	Spray and/or Sprinkler Systems	16.9.2-1
16.9.3	Halon Systems	16.9.3-1
16.9.4	Fire Hose Stations	16.9.4-1
16.9.5	Fire Rated Assemblies	16.9.5-1
16.9.6	Fire Detection Instrumentation	16.9.6-1
16.9.7	Standby Shutdown System	16.9.7-1
16.9.8	Groundwater Level Monitoring System	16.9.8-1
16.9.9	Boration Systems – Flow Path (Operating)	16.9.9-1
McGuire Units 1 and 2	ii	Revision 42

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
16.9.10	DELETED Revision 13 2/26/01	
16.9.11	Borated Water Sources (Operating)	16.9.11-1
16.9.12	Boration Systems – Flow Path (Shutdown)	16.9.12-1
16.9.13	DELETED Revision 13 2/26/01	16.9.13-1
16.9.14	Borated Water Sources (Shutdown)	16.9.14-1
16.9.15	Snubbers	16.9.15-1
16.9.16	Area Temperature Monitoring	16.9.16-1
16.9.17	Refueling Operations – Decay Time	16.9.17-1
16.9.18	Refueling Operations – Communications	16.9.18-1
16.9.19	Refueling Operations – Manipulator Crane	16.9.19-1
16.9.20	Crane Travel – Spent Fuel Pool Storage Building	16.9.20-1
16.9.21	Water Level – Spent Fuel Storage Pool	16.9.21-1
16.9.22	Switchgear Room Ventilation System (SGRVS)	16.9.22-1
16.9.23	Control Room Area Ventilation System (CRAVS)	16.9.23-1
16.9.24	DELETED Revision 74 6/27/05	
16.9.25	Refueling Operations - Containment Equip Hatch	16.9.25-1
16.9.26	Flood Monitoring System	16.9.26-1
16.10	COMMITMENTS RELATED TO STEAM AND POWER CONVERSION SYSTEMS	
16.10.1	Steam Generator Pressure/Temperature Limitation	16.10.1-1
16.11	COMMITMENTS RELATED TO RADIOACTIVE WASTE MANAGEMENT AND RADIOLOGICAL EFFLUENT CONTROL	
16.11.1	Liquid Effluents - Concentration	16.11.1-1
16.11.2	Radioactive Liquid Effluent Monitoring Instrumentation	16.11.2-1
16.11.3	Dose - Liquid Effluents	16.11.3-1

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
16.11.4	Liquid Radwaste Treatment System	16.11.4-1
16.11.5	Chemical Treatment Ponds	16.11.5-1
16.11.6	Dose Rate - Gaseous Effluents	16.11.6-1
16.11.7	Radioactive Gaseous Effluent Monitoring Instrumentation	16.11.7-1
16.11.8	Noble Gases	16.11.8-1
16.11.9	Dose – Iodine-131 and 133, Tritium and Radioactive Materials in Particulate Form	16.11.9-1
16.11.10	Gaseous Radwaste Treatment System	16.11.10-1
16.11.11	Solid Radioactive Waste	16.11.11-1
16.11.12	Total Dose	16.11.12-1
16.11.13	Radiological Environmental Monitoring Program	16.11.13-1
16.11.14	Land Use Census	16.11.14-1
16.11.15	Interlaboratory Comparison Program	16.11.15-1
16.11.16	Annual Radiological Environmental Operating Report	16.11.16-1
16.11.17	Radioactive Effluent Release Reports	16.11.17-1
16.11.18	Liquid Holdup Tanks	16.11.18-1
16.11.19	Explosive Gas Mixture	16.11.19-1
16.11.20	Gas Storage Tanks	16.11.20-1
16.12	COMMITMENTS RELATED TO RADIATION PROTECTION	
16.12.1	In-Plant Iodine Monitoring	16.12.1-1
16.12.2	Sealed Source Contamination	16.12.2-1
16.13	COMMITMENTS RELATED TO CONDUCT OF OPERATIONS	
16.13.1	Fire Brigade	16.13.1-1
16.13.2	DELETED Revision 75 7/20/05	
16.13.3	DELETED Revision 75 7/20/05	

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>	<u>PAGE</u>
16.13.4	Minimum Station Staffing Requirements	16.13.4-1
16.14	COMMITMENTS RELATED TO TESTING	
16.14.1	Startup Reports	16.14.1-1
16.14.2	Reactor Trip Breaker and Solid State Protection System (SSPS) Logic Train Out of Service Commitments	16.14.2-1