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United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555-0001

SUBJECT: Duke Energy Corporation
McGuire Nuclear Station Units 1 and 2
Docket Nos. 50-369 and 50-370
Selected Licensee Commitment Manual Revision

Attached is a revision to the McGuire Selected Licensee Commitment (SLC) Manual. This manual constitutes Chapter 16 of the McGuire Updated Final Safety Analysis Report. This revision changes the wording of SLC 16.7.2 (Seismic Instrumentation) Conditions B.3 and B.4 from "Perform CHANNEL CALABRATION" to "Perform Test Record Recording" to correctly clarify the requirements to prepare the instrumentation to capture any after shock immediately following a seismic event. A paragraph will also be added to the Bases explaining the test record purpose and evolution. Pursuant to 10CFR50.59, Duke Energy has determined that this change can be made without prior NRC approval.

Attachment 1 contains the revised SLC List of Effective Sections. Attachment 2 contains revised SLC 16.7.2.

Please contact Lee Hentz at (704) 875-4947 if you have any questions.

Very truly yours,

H. B. Barron

Attachments

A053

Xc w/attachments:

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McGuire Master File 1.3.2.12

ATTACHMENT 1

REVISED SLC LIST OF EFFECTIVE SECTIONS

SLC LIST OF AFFECTED 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 0	12/14/99
16.7.1	REVISION 0	12/14/99
16.7.2	REVISION 16	9/26/01
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 0	12/14/99
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 2	4/11/00
16.9.1	REVISION 10	1/29/01
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 14	7/26/01
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 13	2/26/01
16.9.12	REVISION 13	2/26/01
16.9.13	REVISION 13	2/26/01
16.9.14	REVISION 13	2/26/01
16.9.15	REVISION 4	6/20/00
16.9.16	REVISION 0	12/14/99
16.9.17	REVISION 0	12/14/99

SLC LIST OF AFFECTED SECTIONS

SECTION	REVISION NUMBER	DATE
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 15	9/26/01
16.10.1	REVISION 0	12/14/99
16.11.1	REVISION 9	2/1/01
16.11.2	REVISION 9	2/1/01
16.11.3	REVISION 0	12/14/99
16.11.4	REVISION 0	12/14/99
16.11.5	REVISION 0	12/14/99
16.11.6	REVISION 0	12/14/99
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 0	12/14/99
16.11.15	REVISION 0	12/14/99
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
16.13.2	REVISION 0	12/14/99
16.13.3	REVISION 0	12/14/99
16.14.1	REVISION 0	12/14/99

ATTACHMENT 2

REVISED SLC 16.9.24

16.7 INSTRUMENTATION

16.7.2 Seismic Instrumentation

COMMITMENT The seismic monitoring instrumentation shown in Table 16.7.2-1 shall be OPERABLE.

APPLICABILITY: At all times.

REMEDIAL ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more seismic monitoring instruments inoperable.	A.1 Restore inoperable instrument to OPERABLE status. OR A.2 Prepare and submit a Special Report outlining the cause of the malfunction and plans for restoring the instrument(s) to OPERABLE status.	30 days 40 days
B. Seismic monitoring instruments actuated during a seismic event ≥ 0.01g.	B.1 Restore instrument to OPERABLE status. AND B.2 Retrieve data from accessible actuated instruments and analyze to determine magnitude of vibratory ground motion. AND	Within 24 hours following the seismic event Within 24 hours following the seismic event (continued)

REMEDIAL ACTIONS (continued)

B.	(continued)	B.3 Perform Test Record Recording of triaxial time-history accelerograph using internal test and calibrate function.	Prior to removing data
		AND	
		B.4 Perform Test Record Recording of triaxial time-history accelerograph using internal test and calibrate function.	Immediately following insertion of new recording media
		AND	
		B.5 Prepare and submit a Special Report, with copy to Chief, Structural and Geotechnical Engineering Branch, describing the magnitude, frequency spectrum, and resultant effect upon facility features important to safety.	10 days

TESTING REQUIREMENTS

----------NOTE----------
Refer to Table 16.7.2-1 to determine which TRs apply for each Seismic Instrumentation.

	TEST	FREQUENCY
TR 16.7.2.1	----------NOTE---------- CHANNEL CHECK does not include seismic trigger for 1MIMT 5000 or 1MIMT5010. ---------- Perform CHANNEL CHECK.	31 days
TR 16.7.2.2	Perform CHANNEL OPERATIONAL TEST.	6 months
TR 16.7.2.3	Perform a CHANNEL CALIBRATION.	18 months

TABLE 16.7.2-1

SEISMIC MONITORING INSTRUMENTATION

INSTRUMENTS AND SENSOR LOCATIONS		MEASUREMENT RANGE	REQUIRED CHANNELS	TESTING REQUIREMENTS
1.	Triaxial Time-History Accelerographs			
1.a	1MIMT 5000 (Remote Sensor A) Containment Base Slab	0-1g	1	TR 16.7.2.1 TR 16.7.2.2 TR 16.7.2.3
1.b	1MIMT 5010 (Remote Sensor B) Containment Wall Elev. 786' 5"	0-1 g	1	TR 16.7.2.1 TR 16.7.2.2 TR 16.7.2.3
1.c	1MIMT 5020 (Starter Unit) Containment Base Slab	0.005-0.05g	1	TR 16.7.2.2 TR 16.7.2.3
2.	Triaxial Peak Accelerographs			
2.a	1MIMT 5030 Containment Bldg. Elev. 786' 8 9/16"	0-2g	1	TR 16.7.2.3
2.b	1MIMT 5040 Containment Bldg. Elev. 746' 2 1/2"	0-2g	1	TR 16.7.2.3
2.c	1MIMT 5050 Auxiliary Bldg. Elev. 716' 6"	0-2g	1	TR 16.7.2.3
3.	Triaxial Seismic Switches			
	1MIMT 5060 Containment Base Slab	0.025-0.25g	1*	TR 16.7.2.1 TR 16.7.2.2 TR 16.7.2.3
4.	Triaxial Response-Spectrum Recorders			
4.a	1MIMT 5070 Containment Base Slab	0-2g	1*	TR 16.7.2.1 TR 16.7.2.2 TR 16.7.2.3
4.b	1MIMT 5080 Containment Bldg. Elev. 151' 8 1/4"	0-2g	1	TR 16.7.2.3
4.c	1MIMT 5090 Auxiliary Bldg. Elev. 750'	0-2g	1	TR 16.7.2.3

* With reactor control room indication.

BASES

The OPERABILITY of the seismic instrumentation ensures that sufficient capability is available to promptly determine the magnitude of a seismic event and evaluate the response of those features important to safety. This capability is required to permit comparison of the measured response to that used in the design basis for the facility to determine if plant shutdown is required pursuant to Appendix A of 10 CFR Part 100. The instrumentation is consistent with the recommendations of Regulatory Guide 1.12, Instrumentation for Earthquakes, April 1974.

The triaxial time-history accelerograph records seismic data to a magnetic tape. A test record must be initially written to the magnetic tape to arm the system. When seismic event data is captured, another test record must be written to the tape for the purpose of data correlation before the tape is removed. When the magnetic tape is replaced, a test record is written again to the new magnetic tape to rearm the system so it can capture subsequent seismic events. Other passive triaxial accelerographs are also used to gather seismic data to determine the facility response.

REFERENCES

1. Regulatory Guide 1.12, Instrumentation for Earthquakes, April 1974.

2. 10 CFR Part 100, Appendix A.