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DOCUMENT NO: TRM-U2

TITLE: TECHNICAL REQUIREMENTS MANUAL
(UNIT 2)

REVISION NO: 009-01

CHANGE NO: AP-09

SUBJECT: RE-DISTRIBUTION OF PAGES 3.3-
1,3,5,6,7,8,9 TO REFLECT REV 2 IN
FOOTER INSTEAD OF REV 3

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ANO-1 Docket 50-313

ANO-2 Docket 50-368

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1001

TECHNICAL REQUIREMENTS MANUAL REVISION 2

ARKANSAS NUCLEAR ONE, UNIT NO. 2

Revise the following pages of the associated Technical Requirements Manual with the attached pages.

REMOVE PAGES

INSERT PAGES

Index Pages

Technical Specifications Pages

3.3-1	-----3.3-1
3.3-3	-----3.3-3
3.3-5	-----3.3-5
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INSTRUMENTATION

REACTOR PROTECTIVE INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.1.1 As a minimum, the reactor protective instrumentation channels and bypasses of TRM Table 3.3-1 shall be OPERABLE.

APPLICABILITY: As shown in TRM Table 3.3-1.

ACTION:

As shown in TRM Table 3.3-1.

SURVEILLANCE REQUIREMENTS

4.3.1.1.1 Each reactor protective instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations for the MODES and at the frequencies shown in TRM Table 4.3-1.

4.3.1.1.2 The logic for the bypasses shall be demonstrated OPERABLE prior to each reactor startup unless performed during the preceding 92 days. The total bypass function shall be demonstrated OPERABLE at least once per 18 months during CHANNEL CALIBRATION testing of each channel affected by bypass operation.

TABLE 4.3-1

REACTOR PROTECTIVE INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TESTS</u>	<u>MODES IN WHICH SURVEILLANCE REQUIRED</u>
Steam Generator Level - High	S	R	TA(1)	1, 2

(1) On a STAGGERED TEST BASIS

TABLE 3.3-7

SEISMIC MONITORING INSTRUMENTATION

<u>INSTRUMENTS AND SENSOR LOCATIONS</u>	<u>MEASUREMENT RANGE</u>	<u>MINIMUM INSTRUMENT OPERABLE</u>
1. Triaxial Time-History Accelerographs		
a. ACS-8001, Unit 1 Containment Base Slab, Elev. 335'	0.01-1.0 g	1
b. ACS-8002, Unit 1 Top of Containment, Elev. 531'6"	0.01-1.0 g	1
2. Triaxial Peak Accelerographs		
a. 2XR-8347, Containment Base Slab, Elev. 336'6"	0.05-1.0 g	1
b. 2XR-8348, Primary Shield O/S Reactor Cavity, Elev. 366'3"	0.05-1.0 g	1
c. 2XR-8349, Top of Containment, Elev. 531'6"	0.05-1.0 g	1
3. Triaxial Response-Spectrum Recorder		
a. 2XR-8350, Containment Base Slab, Elev. 335'6" (O/S Containment)	2-25.4 Hz	1

* With Unit 1 control room indication/or alarm

TABLE 4.3-4

SEISMIC MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

	<u>INSTRUMENTS AND SENSOR LOCATIONS</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1.	Triaxial Time-History Accelerographs			
a.	ACS-8001, Unit 1 Containment Base Slab, Elev. 335'***	M*	R	SA
b.	ACS-8002, Unit 1 Top of Containment Elev. 531' 6"	M*	R	SA
2.	Triaxial Peak Accelerographs			
a.	2XR-8347, Containment Base Slab, Elev. 336' 6"	NA	R	NA
b.	2XR-8348, Primary Shield O/S Reactor Cavity, Elev. 366' 3"	NA	R	NA
c.	2XR-8349, Top of Containment, Elev. 531' 6"	NA	R	NA
3.	Triaxial Response-Spectrum Recorder			
a.	2XR-8350, Containment Base Slab, Elev. 335'6" (O/S Containment)	NA	R	R

* Except seismic trigger

** With Unit 1 control room indication

INSTRUMENTATION

METEOROLOGICAL INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.3.4 The meteorological monitoring instrumentation channels shown in Table 3.3-8 shall be OPERABLE.

APPLICABILITY: At all times.

ACTION:

- a. With one or more required meteorological monitoring channels inoperable for more than 7 days, prepare and submit a Special Report to the Commission pursuant to Technical Requirement 6.9.2 within the next 10 days outlining the cause of the malfunction and the plans for restoring the channel(s) to OPERABLE status.
- b. The provisions of Technical Specification 3.0.3 are not applicable.

SURVEILLANCE REQUIREMENTS

4.3.3.4 Each of the above meteorological monitoring instrumentation channels shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK and CHANNEL CALIBRATION operations at the frequencies shown in Table 4.3-5.

TABLE 3.3-8

METEROLOGICAL MONITORING INSTRUMENTATION

<u>INSTRUMENT AND SENSOR LOCATIONS</u>	<u>MINIMUM CHANNELS OPERABLE</u>
1. WIND SPEED	
a. Nominal Elev. 540'	1
b. Nominal Elev. 394'	1
2. WIND DIRECTION	
a. Nominal Elev. 540'	1
b. Nominal Elev. 394'	1
3. AIR TEMPERATURE – DELTA T	
a. Nominal Elev. 394' to 540'	1

TABLE 4.3-5

METEOROLOGICAL MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT AND SENSOR LOCATIONS</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. WIND SPEED		
a. Nominal Elev. 540'	D	SA
b. Nominal Elev. 394'	D	SA
2. WIND DIRECTION		
a. Nominal Elev. 540'	D	SA
b. Nominal Elev. 394'	D	SA
3. AIR TEMPERATURE – DELTA T		
a. Nominal Elev. 394' to 540'	D	SA