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## Inter-Office Correspondence

June 24, 1997

**SUBJECT:** Technical Requirements Manual (TRM) Revision 3

**TO:** Distribution

Attached is Revision 3 to the TRM. The following changes are included within this package ([ITS # ] refers to internal tracking number for all outstanding ITS related issues):

1. Various pages listed the incorrect revision and were changed to Revision 3. Also, typographical errors were corrected. [ITS #27]
2. TR 3.3.4, Table TS 3.3.4-1, Functions 3a and 3c were revised to remove Note (a). This note stated that "there is one additional detector at each zone which is not required to be OPERABLE per this TR." For the two diesel generator rooms, there are in fact only two detectors such that this note did not apply. [ITS #28]
3. A requirement for Instrument Bus D was added including Required Actions if it is inoperable and a new Surveillance Requirement. This new requirement only addresses which LCO's must be either: (1) declared inoperable, or (2) evaluated for continued OPERABILITY if Instrument Bus D fails. This is a clarification only (i.e., it is not new actions). The new Surveillance Requirement is consistent with those required for the other instrument buses. [ITS #19]
4. An error in TR 3.7.2 was corrected. This TR was added to the TRM by Revision 1 based on information contained in the UFSAR and Procedure A-52.4.1. Table TR 3.7.2-2 was taken from A-52.4.1 only (i.e., a similar table was not previously in the UFSAR). Required Action B.3 and C.1 were unintentionally added in the TRM if an item in Table TR 3.7.2-2 was inoperable. These required actions were never part of A-52.4.1 and have resulted in a NRC Special Report due to the Main Transformer sprinkler system being out of service for > 14 days. This change removes Required Actions B.3 and C.1 from Table TR 3.7.2-2 in order to make the specified actions consistent with those prior to TRM Revision 1. [ITS #30]



5. A new requirement was added with respect to ATWS mitigation. Essentially, systems required to mitigate an ATWS event (i.e., beyond design basis accident) whose specific OPERABILITY requirements are not addressed by other LCOs or TRs were added. This includes the PORVs opening under automatic control, PORV block valves being open, rods capable of being manually inserted, and AMSAC. The inoperability of these systems can result in the inability to mitigate an ATWS event. Surveillance Requirements were also added for these systems consistent with current practices (i.e., no new surveillances to Ginna were added). [ITS #31]
6. A new requirement was added with respect to LTOP arming logic. Currently, LCO 3.4.12 requires the PORVs to be OPERABLE under LTOP conditions if a minimum size RCS vent is not available. However, there are no specific requirements related to the LTOP actuation logic other than requiring a COT every 31 days and a CHANNEL CALIBRATION every 24 months (SR 3.4.12.6 and 3.4.12.8, respectively). The new requirement addresses the arming logic specifically and identifies required actions in the event the logic is inoperable. Also, a new Surveillance Requirement was added with respect to ACTUATION LOGIC TESTS. The new Required Actions and Surveillance Requirements ensure that the PORVs remain capable of performing their LTOP function. [ITS #32]
7. Two new sections were added to the TRM: (1) Design Features, and (2) Administrative Controls. The first section is only a holding place for future design features issues (e.g., what equipment is credited in SBO). The second section contains administrative requirements that are to be imposed by Ginna Station management until a Technical Specification amendment can be approved by the NRC. These administrative requirements are expected to be consistent with Improved Standard Technical Specifications (i.e., NUREG-1431) and help to ensure that systems, structures, and components already addressed within ITS remain OPERABLE until the ITS can be permanently changed.

These changes are considered effective July 1, 1997. Please contact Mark Flaherty (extension 8512) or Tom Harding (extension 8013) if you have any questions.

  
Mark D. Flaherty

Attachments  
MDF\930

R.E. Ginna Nuclear Power Plant

Technical Requirements Manual (TRM)  
Revision 3

Attachment A

Please replace the following pages of your controlled copy of the ITS as follows:

<u>Volume</u>	<u>Section</u>	<u>Remove</u>	<u>Insert</u>
III	TRM	Cover Page	Cover Page ✓
III	TRM	LEP-i	LEP-i ✓
III	TRM Table of Contents	i	i ✓
III	TRM Table of Contents	ii	ii ✓
III	TRM Chapter 3.3	3.3-11	3.3-11 ✓
III	TRM Chapter 3.3	----	3.3-15 ✓
III	TRM Chapter 3.3	----	3.3-16 ✓
III	TRM Chapter 3.3	----	3.3-17 ✓
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III	TRM Chapter 4.0	----	4.0-1 ✓
III	TRM Chapter 5.0	----	5.0-1 ✓
III	TRM Chapter 5.0	----	5.0-2 ✓







GINNA STATION

TRM  
Revision 1

# TECHNICAL REQUIREMENTS MANUAL (TRM)

  
Responsible Manager

4/1/96  
Effective Date

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(TRM)

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Table TR 3.3.4-1 (page 1 of 2)  
Fire Detection Instrumentation

LOCATION	FIRE ZONE	REQUIRED HEAT DETECTORS	REQUIRED SMOKE DETECTORS
<b>1. Containment</b>			
a. Post Accident Charcoal Filter A	Z09, Z10	3 <sup>(a)(b)(c)</sup>	N/A
b. Post Accident Charcoal Filter B	Z11, Z12	3 <sup>(a)(b)(c)</sup>	N/A
c. Auxiliary Filter Charcoal Bank A	Z06	1 <sup>(b)(c)</sup>	N/A
d. Auxiliary Filter Charcoal Bank B	Z07	1 <sup>(b)(c)</sup>	N/A
e. Cable Trays - Basement Elevation	Z08	1 <sup>(b)(d)</sup>	N/A
f. Cable Trays - Intermediate Elevation	Z15	2 <sup>(a)(b)(d)</sup>	N/A
g. Cable Trays - Operating Floor	Z16	1 <sup>(b)(d)</sup>	N/A
h. Reactor Coolant Pump (RCP) A - Intermediate Floor	Z13	1 <sup>(b)(d)</sup>	N/A
i. RCP B - Intermediate Floor	Z14	1 <sup>(b)(d)</sup>	N/A
j. Area Detection - Operating Floor	Z16	N/A	7 <sup>(a)(b)</sup>
<b>2. Control Building</b>			
a. Control Room - Area and Cabinet	Z19	1	17 <sup>(a)</sup>
b. Control Room/Turbine Building Wall	S29	4 <sup>(a)</sup>	N/A
c. Air Handling Room	S06	N/A	3 <sup>(a)</sup>
d. Relay Room	Z18, S08	3 <sup>(a)</sup>	16 <sup>(a)</sup>
e. Computer (MUX) Room Ceiling	S07	N/A	3 <sup>(a)</sup>
f. Battery Rooms A and B	pyrotronics area 2 zone 4	N/A	3 <sup>(a)</sup>
<b>3. Diesel Generators (DGs)</b>			
a. DG Room A	S12	2 <sup>(a)</sup>	N/A
b. DG Vault A	Z20	N/A	1
c. DG Room B	S13	2 <sup>(a)</sup>	N/A
d. DG Vault B	Z21	N/A	1

(continued)

- (a) There is one additional detector at each zone which is not required to be OPERABLE per this TR.
- (b) This instrument is not required to be OPERABLE during performance of integrated leak rate tests.
- (c) Resistance temperature detectors (RTDs) only.
- (d) Line type detectors.

Fire Suppression Spray and Sprinkler Systems  
TR 3.7.2

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
B. One or more required systems in Table TR 3.7.2-2 inoperable.	B.1 -----NOTE----- Not required to be performed during emergency conditions that prohibit access to affected room. -----	
	Perform a fire watch inspection of the affected fire zones.	Once within 1 hour and every hour thereafter
	<u>AND</u>	
	B.2 Place backup fire suppression equipment in affected area.	1 hour
	<u>AND</u>	
	B.3 Restore affected system to OPERABLE status.	14 days
C. Required Action and associated Completion Time not met.	C.1 Prepare special report and submit to NRC outlining cause of system inoperability and plans for restoring to OPERABLE status.	30 days

# Fire Suppression Spray and Sprinkler Systems

## TR 3.7.2

Table TR 3.7.2-2 (page 1 of 1)  
Fire Suppression Spray and Sprinkler Systems - Hourly Watch

	LOCATION	TYPE	SYSTEM NUMBER	FIRE SYSTEM ACTUATION
1.	Main Oil Storage Room	Spray	S16	Automatic
2.	Service Building - Main Floor, Basement, Hot Shop	Sprinkler	S19	Automatic
3.	Transformer #1	Spray	S20	Automatic
4.	Transformer #11	Spray	S21	Automatic
5.	Transformer #12A	Spray	S22	Automatic
6.	Transformer #12B	Spray	S23	Automatic
7.	Turbine Condenser Pit	Spray	S24	Manual
8.	Generator Hydrogen Seal	Spray	S25	Automatic
9.	Turbine Island	Sprinkler	S26	Automatic
10.	Main Turbine Oil Reservoir	Spray	S27	Automatic
11.	Auxiliary Building - East Stairs	Sprinkler	S35	Automatic
12.	Auxiliary Building - West Stairs and Crane Hatch	Sprinkler	S36	Automatic
13.	Contamination Storage Room	Sprinkler	S50	Automatic

### 3.8 ELECTRICAL POWER SYSTEMS

#### 3.8.2 Diesel Generator (DG) Load Sequencer

TR 3.8.2 Each DG load sequencer shall meet the breaker closure times specified in Table TR 3.8.2-1.

APPLICABILITY: MODES 1, 2, 3 and 4.

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or both DG load sequencer(s) with breaker closure times not within limits.	A.1 Enter applicable Conditions and Required Actions of LCO 3.8.1.	Immediately

#### SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
TSR 3.8.2.1 Perform SR 3.8.1.9.	In accordance with applicable SR



Table TR 3-8.2-1 (page 1 of 1)  
DG Load Sequencer Maximum Breaker Closure Times

	DG A (sec)	DG B (sec)
1. 480V Safeguards Buses and Containment Spray Pumps	10	10
2. Safety Injection (SI) Pump A and B	15 <sup>(1)</sup>	15 <sup>(1)</sup>
3. SI Pump C	20 <sup>(1)</sup>	22 <sup>(1)</sup>
4. Residual Heat Removal Pump A and B	25 <sup>(1)</sup>	27 <sup>(1)</sup>
5. Selected Service Water Pumps	30 <sup>(1)</sup>	32 <sup>(1)</sup>
6. First Containment Recirculation Fan Cooler (CRFC)	35 <sup>(1)</sup>	37 <sup>(1)</sup>
7. Second CRFC	40 <sup>(1)</sup>	42 <sup>(1)</sup>
8. Motor Driven Auxiliary Feedwater Pump A and B	45 <sup>(1)</sup>	47 <sup>(1)</sup>

<sup>(1)</sup> 5 seconds is added for pump or fan cooler to achieve running conditions (i.e., SI Pump A breaker actually closes at 10 seconds but pump is assumed running at 15 seconds).

