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Doc Id	Doc Title	Rev	Rev Date	Qty
TRM	TECHNICAL REQUIREMENTS MANUAL FOR GINNA STATION	019	02/12/2003	1

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Ginna Station - Records Management  
1503 Lake Road  
Ontario, New York 14519

A001

**Rochester Gas and Electric Corporation**  
**Inter-Office Correspondence**

February 10, 2003

**Subject:** Technical Requirements Manual (TRM) Revision 19

**To:** Distribution

Attached are the associated revised pages for the Ginna Station Technical Requirements Manual (TRM). The changes included within Revision 19 of the TRM are associated with new required actions when using the yard water loop as a backup to the fire water header.

Revision 19 of the TRM is considered effective February 12, 2003. Instructions for the necessary changes to your controlled copy are listed below.

Please contact Tom Harding (extension 3384) if you have any questions.



Thomas L. Harding

**Instructions**

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III	TRM Chapter 3.7	TR 3.7.1-1 through TR 3.7.1-3	TR 3.7.1-1 through TR 3.7.1-4



R.E. Ginna Nuclear Power Plant


# Technical Requirements Manual TRM

Revision 19

Responsible Manager: Mark D Flaherty  
Mark Flaherty

Effective Date: 2/12/03  
2/12/2003

Controlled Copy No. 1217

Record Cat.# 4.43.4 

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3.7 PLANT SYSTEMS

TR 3.7.1 Fire Suppression Water Sources

TR 3.7.1 Two fire pumps shall be OPERABLE and aligned to the fire suppression header.

APPLICABILITY: At all times.

ACTIONS

CONDITION		REQUIRED ACTION	COMPLETION TIME
A.	One required fire pump inoperable in MODES 1, 2, 3, or 4.	A.1 Restore required pump to OPERABLE status.	7 days
B.	Required Action and associated Completion Time of Condition A not met.	B.1 Start and operate redundant pump continuously.	24 hours
		<u>AND</u> B.2 Prepare special report and submit to NRC outlining cause of pump inoperability and plans for restoring to OPERABLE status.	30 days
C.	One required fire pump inoperable in MODES 5 or 6, or with the reactor defueled.	C.1 Restore required pump to OPERABLE status.	7 days
D.	Required Action and associated Completion Time of Condition C not met.	D.1 Prepare special report and submit to NRC outlining cause of pump inoperability and plans for restoring to OPERABLE status.	30 days

CONDITION		REQUIRED ACTION	COMPLETION TIME
E.	Two fire pumps inoperable.	E.1 Establish a full backup fire suppression water system.	24 hours
	<u>OR</u>	<u>OR</u>	
	Fire suppression header inoperable.	E.2.1 Cross-tie the yard loop to the plant fire header.	24 hours
		<u>AND</u>	
		E.2.2 Declare the suppression systems listed in Table TR 3.7.1-1 inoperable.	24 hours
F.	Required Action and associated Completion Time of Condition E not met.	F.1 Be in MODE 3.	6 hours
		<u>AND</u>	
		F.2 Be in MODE 5.	36 hours
		<u>AND</u>	
		F.3 Prepare special report and submit to NRC outlining cause of fire suppression inoperability and plans for restoring to OPERABLE status.	30 days

**SURVEILLANCE REQUIREMENTS**

SURVEILLANCE		FREQUENCY
TSR 3.7.1.1	Operate each fire pump on recirculation flow for $\geq 15$ minutes.	31 days
TSR 3.7.1.2	Verify each fire suppression valve in the pump train or header flow path that is not locked, supervised, or otherwise secured in position is in the correct position.	31 days
TSR 3.7.1.3	Verify level of diesel driven fire pump fuel oil tank is $\geq 50\%$ .	31 days

SURVEILLANCE		FREQUENCY
TSR 3.7.1.4	Inspect and test diesel driven fire pump starting batteries.	31 days
TSR 3.7.1.5	Verify diesel driven fire pump fuel oil stored in the day tank is within ASTM D975 recommended limits for Number 2 diesel fuel oil for viscosity, water, and sediment.	92 days
TSR 3.7.1.6	Cycle air operated valve 9227 through one complete cycle.	10 months
TSR 3.7.1.7	<p style="text-align: center;">----- - NOTE - -----</p> <p>1. Not required to be performed for hydrant isolation valves.</p> <p>2. Only required to be performed for valves which are testable in MODES 1, 2, 3, and 4.</p> <p style="text-align: center;">-----</p> <p>Cycle each valve in the pump or header flowpath through one complete cycle.</p>	12 months
TSR 3.7.1.8	Verify each fire suppression pump starts automatically and sequentially on an actual or simulated actuation signal and produces $\geq 2000$ gpm at 210 ft head.	18 months
TSR 3.7.1.9	Verify each automatic fire suppression valve in the pump train or header flow path actuates to its correct position on an actual or simulated actuation signal.	24 months
TSR 3.7.1.10	<p style="text-align: center;">----- - NOTE - -----</p> <p>Only required to be performed for valves which are not testable in MODES 1, 2, 3, and 4.</p> <p style="text-align: center;">-----</p> <p>Cycle each valve in the pump or header flowpath through one complete cycle.</p>	18 months
TSR 3.7.1.11	Inspect diesel fire pump engine in accordance with procedures prepared in conjunction with manufacturer's recommendations for the class of service.	18 months
TSR 3.7.1.12	Record static pressure at suppression header test connection with one fire pump operating.	3 years



**Table TR 3.7.1-1**  
**Fire Suppression Spray Sprinkler Systems that are not Provided Sufficient Pressure/Flow by the Yard Loop in the Cross-tie Lineup**

LOCATION	TYPE	SYSTEM	ACTUATION
1. Auxiliary Building Basement Cable Trays - SI Pumps	Sprinkler	S01	Preaction
2. Auxiliary Building Intermediate Level at Cable Tunnel Entrance	Sprinkler	S03	Preaction
3. Auxiliary Building Intermediate Level Cable Trays - East	Sprinkler	S04	Preaction
4. Cable Tunnel	Spray	S05	Automatic
5. Air Handling Room Cable Trays	Spray	S06	Automatic
6. Relay Room - Southeast	Spray	S09	Manual
7. Relay Room - West	Spray	S10	Manual
8. Relay Room - Northeast	Spray	S11	Manual
9. Diesel Generator (DG) Room A	Sprinkler	S12	Preaction
10. Diesel Generator (DG) Room B	Sprinkler	S13	Preaction
11. Intermediate Building East Cable Trays	Sprinkler	S15	Preaction
12. Screenhouse Basement Cable Trays	Spray	S17	Automatic
13. Control Room Turbine Building Wall	Spray	S29	Automatic
14. Main Oil Storage Room	Spray	S16	Automatic
15. Service Building	Sprinkler	S19	Automatic
16. Transformer #1	Spray	S20	Automatic
17. Transformer #12A	Spray	S22	Automatic
18. Transformer #12B	Spray	S23	Automatic
19. Turbine Condenser Pit	Spray	S24	Manual
20. Turbine Island	Sprinkler	S26	Automatic
21. Main Turbine Oil Reservoir	Spray	S27	Automatic