

## DOCUMENT CONTROL

## Document Transmittal

To: DOCUMENT CONTROL DESK  
US NRC  
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WASHINGTON DC 20555

Transmittal: 9812038N 058  
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Holder: 1217

LISTED BELOW ARE NEW OR REVISED CONTROLLED DOCUMENTS. REVIEW THE ATTACHED INSTRUCTION LETTER (IF APPLICABLE), AND UPDATE YOUR CONTROLLED DOCUMENT IN ACCORDANCE WITH RM-RDM-1.

Doc Id	Doc Title	Rev	Rev Date	Qty
TRM	TECHNICAL REQUIREMENTS MANUAL FOR GINNA STATION	006	12/18/1998	1

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ADD 0/1

Receipt Acknowledgement and Action Taken:

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Return to: Rochester Gas & Electric Corporation  
Ginna Station - Records Management  
1503 Lake Road  
Ontario, New York 14519

Rochester Gas and Electric Corporation  
Inter-Office Correspondence

December 18, 1998

**Subject:** Technical Requirements Manual (TRM) Revision 6

**To:** Distribution

Attached are the associated revised pages for the Ginna Station Technical Requirements Manual (TRM). The changes included within Revision 6 are summarized as follows:


1. The title of the Senior Vice President has changed from 'Customer Operations' to 'Generation' which requires updating of TR 2.1 Required Action A.1 and A.4.
2. A clarification is provided for TSR 3.3.4.1 to state that the surveillance is only applicable to the Charcoal Filter 1G fire detection system.
3. The actual value ( $\geq 50\%$ ) of the minimum diesel driven fire pump fuel oil tank level has been added to TSR 3.7.1.3
4. Table TR 3.7.2-2 was revised to correct a typographical error and to correct the location of fire suppression system S50.
5. Table TR 3.7.4-1 was revised to correct the locations of the fire hose stations inside containment.
6. Table TR 3.7.5-1 was revised to correct the nomenclature for various fire doors.
7. The heading for page TRM 3.8-3 was revised to list the proper title of the section.

8. Table TR 5.1-1 was revised to add a new temporary LCO requirement for R-11 as the result of a commitment made to the NRC as part of their review of an RG&E request for the use of leak-before-break methodology for RHR lines inside containment.

Revision 6 of the TRM is considered effective December 18, 1998. Instructions for the necessary changes to your controlled copy of the ITS are 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 Chapter 2.0	TRM 2.0-1	TRM 2.0-1
III	TRM Chapter 3.3	TRM 3.3-9	TRM 3.3-9
III	TRM Chapter 3.7	TRM 3.7-3	TRM 3.7-3
III	TRM Chapter 3.7	TRM 3.7-10	TRM 3.7-10
III	TRM Chapter 3.7	TRM 3.7-17	TRM 3.7-17
III	TRM Chapter 3.7	TRM 3.7-20	TRM 3.7-20
III	TRM Chapter 3.7	TRM 3.7-21	TRM 3.7-21
III	TRM Chapter 3.7	TRM 3.7-22	TRM 3.7-22
III	TRM Chapter 3.8	TRM 3.8-3	TRM 3.8-3
III	TRM Chapter 5.0	TRM 5.0-2	TRM 5.0-2

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



Thomas L. Harding



GINNA STATION

TRM  
Revision 4

# TECHNICAL REQUIREMENTS MANUAL (TRM)

  
Responsible Manager

10/15/97  
Effective Date

Controlled Copy No. 1217

List of Effective Pages  
(TRM)

Page	Rev.	Page	Rev.	Page	Rev.	Page	Rev.
TOC		Section 3.3 (con'd)		Section 3.7 (con'd)			
i	4						
ii	4	TRM 3.3-13	4	TRM 3.7-10	3		
		TRM 3.3-14	4	TRM 3.7-11	1		
Section 1.0		TRM 3.3-15	4	TRM 3.7-12	4		
TRM 1.0-1	0	TRM 3.3-16	4	TRM 3.7-13	1		
				TRM 3.7-14	1		
Section 2.0		Section 3.4		TRM 3.7-15	4		
TRM 2.0-1	0	TRM 3.4-1	1	TRM 3.7-16	1		
		TRM 3.4-2	1	TRM 3.7-17	1		
		TRM 3.4-3	0	TRM 3.7-18	1		
Section 3.0		TRM 3.4-4	0	TRM 3.7-19	1		
TRM 3.0-1	1	TRM 3.4-5	0	TRM 3.7-20	1		
		TRM 3.4-6	0	TRM 3.7-21	1		
Section 3.1		TRM 3.4-7	0	TRM 3.7-22	1		
TRM 3.1-1	0	TRM 3.4-8	3	TRM 3.7-23	1		
TRM 3.1-2	1	TRM 3.4-9	3	TRM 3.7-24	1		
TRM 3.1-3	2	TRM 3.4-10	3				
TRM 3.1-4	0	TRM 3.4-11	3	Section 3.8			
TRM 3.1-5	0	TRM 3.4-12	3	TRM 3.8-1	0		
TRM 3.1-6	1	TRM 3.4-13	3	TRM 3.8-2	3		
TRM 3.1-7	2	TRM 3.4-14	3	TRM 3.8-3	3		
		Section 3.5					
Section 3.2		TRM 3.5-1	0	Section 3.9			
TRM 3.2-1	0			TRM 3.9-1	0		
		Section 3.6		TRM 3.9-2	0		
Section 3.3		TRM 3.6-1	0	TRM 3.9-3	0		
TRM 3.3-1	1			TRM 3.9-4	1		
TRM 3.3-2	0	Section 3.7					
TRM 3.3-3	1	TRM 3.7-1	1	Section 4.0			
TRM 3.3-4	0	TRM 3.7-2	1	TRM 4.0-1	3		
TRM 3.3-5	0	TRM 3.7-3	4				
TRM 3.3-6	0	TRM 3.7-4	4	Section 5.0			
TRM 3.3-7	1	TRM 3.7-5	1	TRM 5.0-1	3		
TRM 3.3-8	1	TRM 3.7-6	1	TRM 5.0-2	3		
TRM 3.3-9	4	TRM 3.7-7	3				
TRM 3.3-10	4	TRM 3.7-8	4				
TRM 3.3-11	4	TRM 3.7-9	1				
TRM 3.3-12	4						

## 2.0 SAFETY LIMITS (SLs)

### 2.1 SLs Violation

TR 2.1 See SL 2.1.1 and SL 2.1.2.

APPLICABILITY: In accordance with SL 2.1.

#### ACTIONS

CONDITION	REQUIRED ACTIONS	COMPLETION TIME
A. SL 2.1.1 or 2.1.2 violated.	A.1 Notify Senior Vice President, Customer Operations.	Immediately
	<u>AND</u>	
	A.2 Notify NSARB Chairman.	Immediately,
	<u>AND</u>	
	A.3 Notify NRC.	Immediately
	<u>AND</u>	
	A.4 Prepare Safety Limit Violation Report and submit to the NRC, NSARB, and Senior Vice President, Customer Operations. The report shall describe the applicable circumstances preceding the violation, the effect of the violation upon facility components, systems, or structures, and the corrective actions take to prevent recurrence.	14 days

# SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
TSR 3.3.4.1 Perform a continuity check of nonsupervised circuits between local alarm panels and the control room.	92 days
TSR 3.3.4.2 Perform a continuity check of supervised circuits associated with detector alarms.	24 months
TSR 3.3.4.3 -----NOTE----- Verification of RTD detectors inside containment shall include detector continuity and temperature indication in the control room. -----  Perform a TADOT of fire detection instrumentation.	24 months

**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 within limit.	31 days
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

(continued)



# 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

Table TR 3.7.4-1 (page 2 of 2)  
Fire Hose Stations

HOSE REEL NUMBER	BUILDING LOCATED	FLOOR ELEVATION	PROTECTED LOCATION
28	Auxiliary	Basement	West
29	Auxiliary	Basement	Center
30	Auxiliary	Basement	East
31	Screen House	Main	Fire Pumps
33	Containment	Operating	West
34	Containment	Operating	East
35	Containment	Mezzanine	West
36	Containment	Mezzanine	East
37	Containment	Basement	West
38	Containment	Basement	East



Table TR 3.7.5-1 (page 1 of 3)  
Fire Barrier Penetration Seals

BUILDING/ROOM	SEPARATION FROM	LOCATION IN BLDG/ROOM	FIRE BARRIER COMPONENTS
1. Control Building			
a. Air Handling Room	Turbine Bldg	North Wall	Fire Seals Fire Door F-24 Fire Damper AH-44-P Fire Damper AH-39-P Fire Damper AH-53-P
b. Battery Room A	Turbine Bldg	North Wall	Fire Seals Fire Door F-25 Fire Damper BA-28-P
c. Battery Room A	Air Handling Room	West Wall	Fire Seals Fire Damper BA-33-P Fire Damper BA-38-P
d. Battery Room B	Turbine Bldg	North Wall	Fire Seals Fire Door F-26 Fire Damper BB-37-P
e. Battery Room B	Battery Room A	West Wall	Fire Seals Fire Door S-49 Fire Damper BB-46-P Fire Damper BB-47-P
f. Control Room	Relay Room	Floor	Fire Seals
g. Computer (MUX) Room	Transformer Yard	West Wall	Fire Seals
h. Relay Room	Turbine Bldg	North Wall	Fire Seals Fire Door F-504
i. Relay Room	TSC Back Closet	East Wall	Fire Seals
j. Relay Room	Transformers	South Wall	Fire Seals
k. Relay Room	Back Stairwell	West Wall	Fire Seals Fire Door F-502



Table TR 3.7.5-1 (page 2 of 3)  
Fire Barrier Penetration Seals

BUILDING/ROOM.	SEPARATION FROM	LOCATION IN BLDG/ROOM	FIRE BARRIER COMPONENTS
2. Diesel Generator (DG) Room A			
a. DG Room A	Oil Storage Room	West Wall	Fire Seals
b. DG Room A	Turbine Bldg	South Wall	Fire Seals Fire Door F-30
c. DG A Vault	DG B Vault	East Wall	Fire Seals
3. DG Room B			
a. DG Room B	DG Room A	West Wall	Fire Seals
b. DG Room B	Turbine Bldg	South Wall	Fire Seals Fire Door F-29
c. DG B Vault	Remaining Vault	Special	Fire Seals
4. Intermediate			
a. Clean Side	Turbine Bldg	North Wall	Fire Seals Fire Door S-37 Fire Door S-36
b. Clean Side	Cable Tunnel (Tunnel entrance is a smoke barrier only)	East Wall	Fire Seals
c. Clean Side	Service Bldg Stairwell and Elevator Shaft	West Wall	Fire Seals
d. Clean Side	Turbine Bldg - Intermediate	North Wall	Fire Seals Fire Door S-44



Table TR 3.7.5-1 (page 3 of 3).  
Fire Barrier Penetration Seals

BUILDING/ROOM	SEPARATION FROM	LOCATION IN BLDG/ROOM	FIRE BARRIER COMPONENTS
e. Clean Side	Turbine Bldg - Operating	North Wall	Fire Seals
f. Controlled Side	Service Bldg	West Wall	Fire Seals Fire Damper F-509 Fire Damper I-27-P
g. Controlled Side	Service Bldg - Intermediate	West Wall	Fire Seals Fire Door S-46 Fire Door S-65 Fire Door F-510 Fire Damper I-340-1-P Fire Damper I-340-2-P Fire Damper I-350-P Fire Damper I-402-P
h. Controlled Side	Aux Bldg - Spent Fuel Pool	South Wall	Fire Seals Fire Door F-503 Fire Damper I-411-1-P Through I-411-21-P Fire Damper I-317-P
i. Controlled Side	Aux Bldg - Spent Fuel Pool	East Wall	Fire Seals Fire Damper I-318-P
5. Oil Storage Room	DG Room A	East Wall	Fire Seals
6. Auxiliary Building	Service Building	West Wall	Fire Seals



Table TR 3.8.2-1 (page 1 of 1)  
Instrument Bus D Supported Functions

FUNCTION	SUPPORT SYSTEM	Fails to Tripped Condition?	MODE OF APPLICABILITY
1.	LCO Table 3.3.2-1, Function 6.b, Train B	No	1,2,3
2.	LCO Table 3.3.6-1, Functions 3.a, 3.b and 3.c (CREATS Intake Radiation Monitors)	Yes	1,2,3,4,5,6, and Movement of irradiated fuel
3.	LCO Table 3.3.1-1, Function 2 (N-44)	Yes	1,2
4.	LCO Table 3.3.1-1, Function 5 (OTDT Channel 4)	Yes	1,2
5.	LCO Table 3.3.3-2, Functions 5b and 6c (SG A LT-463)	Yes	1,2,3
6.	LCO Table 3.3.3-2, Functions 5b and 6c (SG B LT-471)	Yes	1,2,3
7.	LCO Table 3.3.3-2, Functions 4d and 4e (SG B FT-475)	Yes	1,2,3
8.	LCO Table 3.3.3-1, Function 1 (Pzr Pressure PT-449)	Yes	1,2,3
9.	LCO Table 3.3.3-1, Function 23 (SG A LT-463)	Yes	1,2,3
10.	LCO Table 3.3.3-1, Function 24 (SG B LT-471)	Yes	1,2,3
11.	TR Table 3.3.1-1, Functions 1 and 2 (CREATS Toxic Gas Instrumentation)	Yes	1,2,3,4,5,6

Table TR 5.1-1 (page 1 of 1)  
Temporary LCO Requirements

Item	Action Report #	Temporary LCO Requirement	Required Actions If Not Met	Effective Dates
5.1.1	97-0783	a. Verify key switches for MOVs 852A and 852B are in "off position" every 31 days.	a. Declare associated ECCS train inoperable per LCO 3.5.2.	6/19/97 until LCO 3.5.2 is changed
5.1.2	97-0894	a. Verify NaOH System tank NaOH solution concentration is $\leq 35\%$ by weight every 184 days.	a. Declare NaOH system inoperable per LCO 3.6.6.	6/19/97 until LCO 3.6.6 is changed.
5.1.3	97-0960	a. Verify borated water volume in each accumulator is $\geq 67\%$ and $\leq 82\%$ every 12 hours.	a. Declare associated accumulator inoperable per LCO 3.5.1.	6/19/97 until LCO 3.5.1 is changed.

