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TO: GERLACH*ROSEY M 05/17/2016

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ATTENTION: "REPLACE" directions do not affect the Table of Contents, Therefore no TOC will be issued with the updated material.

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NRR

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SSS MANUAL

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Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 1

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3.7.3 Fire Protection

3.7.3.3 CO₂ Systems

TRO 3.7.3.3 The low pressure CO₂ systems shown in Table 3.7.3.3-1 shall be OPERABLE.

APPLICABILITY: Whenever equipment protected by the CO₂ systems is required to be OPERABLE.

ACTIONS

----- NOTE -----
1. Separate condition entry is allowed for each system.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more of the required CO ₂ systems inoperable	A.1 Enter the Condition referenced in Table 3.7.3.3-1 for the CO ₂ systems	Immediately
B. As required by Required Action A.1 and referenced in Table 3.7.3.3-1	B.1 Establish a continuous fire watch with backup fire suppression equipment for the affected area	1 hour
C. As required by Required Action A.1 and referenced in Table 3.7.3.3-1	C.1 Establish an hourly fire watch patrol for the affected area	1 hour

TECHNICAL REQUIREMENT SURVEILLANCE

SURVEILLANCE		FREQUENCY
TRS 3.7.3.3.1	Verify the CO ₂ storage tank level to be greater than 40% and pressure to be greater than 285 psig.	7 days
TRS 3.7.3.3.2	Verify that each manual, power operated, or automatic valve, in the flow path is in its correct position for each of the required low pressure CO ₂ systems.	92 days
TRS 3.7.3.3.3	Verify the system valves and associated ventilation dampers actuate manually and automatically for each of the required low pressure CO ₂ systems.	18 months
TRS 3.7.3.3.4	Verify the flow from each accessible nozzle by performance of a "Puff Test" for each of the required low pressure CO ₂ systems.	18 months

Table 3.7.3.3-1 (Page 1 of 2)
Low Pressure CO₂ Systems

SYS. #	DESCRIPTION	FIRE ZONE	CONDITION REFERENCED FROM REQUIRED ACTION A.1
1.07	Unit 1 Control Room Underfloor	0-26F, 0-26G, 0-26H	B
1.08	Unit 2 Control Room Underfloor	0-26H, 0-26I, 0-26J	B
1.09	Unit 1 UPS Room & Underfloor	0-24C	C
1.11	Computer Room & above ceiling	0-24E	C
1.13	Unit 1 Lower Relay Room	0-24D	B
1.18	TSC Room C-411/413 Soffit	0-26M	B
1.19	Unit 1 Control Room Soffit	0-26N	B
1.20	Unit 2 Control Room Soffit	0-26P	B
1.21	North Cable Chase (698'-783')	0-24M, 0-25D, 0-26V, 0-27H, 0-28R	B
1.22	Center Cable Chase (698'-783')	0-24L, 0-25C, 0-26T, 0-27G, 0-28Q	B
1.23	South Cable Chase (698'-783')	0-24J, 0-25B, 0-26S, 0-27F, 0-28P	B
1.24	North Cable Chase (729')	0-26D	B
1.25	Center Cable Chase (729')	0-26C	B
1.26	South Cable Chase (729')	0-26B	B
1.27	Unit 1 Upper Relay Room	0-27E	B

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TRM2 - TECHNICAL REQUIREMENTS MANUAL UNIT 2

REMOVE MANUAL TABLE OF CONTENTS DATE: 05/10/2016

ADD MANUAL TABLE OF CONTENTS DATE: 05/16/2016

CATEGORY: DOCUMENTS TYPE: TRM2

ID: TEXT 3.7.3.3

ADD: REV: 4

REMOVE: REV:3

CATEGORY: DOCUMENTS TYPE: TRM2

ID: TEXT LOES

REMOVE: REV:88

ADD: REV: 89

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Manual Title: TECHNICAL REQUIREMENTS MANUAL UNIT 2

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Title: LOADS CONTROL PROGRAM BASES CRANE TRAVEL-SPENT FUEL STORAGE POOL

TEXT B3.12.2 1 12/03/2010
Title: LOADS CONTROL PROGRAM BASES HEAVY LOADS REQUIREMENTS

TEXT B3.12.3 0 11/19/2002
Title: LOADS CONTROL PROGRAM BASES LIGHT LOADS REQUIREMENTS

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3.7.3 Fire Protection

3.7.3.3 CO₂ Systems

TRO 3.7.3.3 The low pressure CO₂ systems shown in Table 3.7.3.3-1 shall be OPERABLE.

APPLICABILITY: Whenever equipment protected by the CO₂ systems is required to be OPERABLE.

ACTIONS

NOTE

Separate condition entry is allowed for each system.

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more of the required CO ₂ systems inoperable	A.1 Enter the Condition referenced in Table 3.7.3.3-1 for the CO ₂ systems	Immediately
B. As required by Required Action A.1 and referenced in Table 3.7.3.3-1	B.1 Establish a continuous fire watch with backup fire suppression equipment for the affected area.	1 hour
C. As required by Required Action A.1 and referenced in Table 3.7.3.3-1	C.1 Establish an hourly fire watch patrol for the affected area.	1 hour

TECHNICAL REQUIREMENT SURVEILLANCE

SURVEILLANCE		FREQUENCY
TRS 3.7.3.3.1	Verify the CO ₂ storage tank level to be greater than 40% and pressure to be greater than 285 psig.	7 days
TRS 3.7.3.3.2	Verify that each manual, power operated, or automatic valve, in the flow path is in its correct position for each of the required low pressure CO ₂ systems.	92 days
TRS 3.7.3.3.3	Verify the system valves and associated ventilation dampers actuate manually and automatically for each of the required low pressure CO ₂ systems.	18 months
TRS 3.7.3.3.4	Verify the flow from each accessible nozzle by performance of a "Puff Test" for each of the required low pressure CO ₂ systems.	18 months

Table 3.7.3.3-1 (Page 1 of 2)
Low Pressure CO₂ Systems

SYS. #	DESCRIPTION	FIRE ZONE	REQUIRED ACTIONS
1.07	Unit 1 Control Room Underfloor	0-26F, 0-26G, 0-26H	B
1.08	Unit 2 Control Room Underfloor	0-26H, 0-26I, 0-26J	B
1.10	Unit 2 UPS Room & underfloor	0-24A	C
1.11	Computer Room & above ceiling	0-24E	C
1.14	Unit 2 Lower Relay Room	0-24G	B
1.17	TSC Room C-412/414 Soffit	0-26R	B
1.19	Unit 1 Control Room Soffit	0-26N	B
1.20	Unit 2 Control Room Soffit	0-26P	B
1.21	North Cable Chase (698'-783')	0-24M, 0-25D, 0-26V, 0-27H, 0-28R	B
1.22	Center Cable Chase (698'-783')	0-24L, 0-25C, 0-26T, 0-27G, 0-28Q	B
1.23	South Cable Chase (698'-783')	0-24J, 0-25B, 0-26S, 0-27F, 0-28P	B
1.24	North Cable Chase (729')	0-26D	B
1.25	Center Cable Chase (729')	0-26C	B
1.26	South Cable Chase (729')	0-26B	B
1.28	Unit 2 Upper Relay Room	0-27A	B

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