

TMI DOCUMENTS

DOCUMENT NO:

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TM-0858

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RADIOLOGICAL REF. # 80

This Radiological Reference changed to # 37

Investigator's Name: Collins

Source for this Radiological Reference:

In series tracks to be put into the
system

TM 0858

RADIOLOGICAL REF. #

Surveillance Procedure Exception and Deficiency List

Surveillance Procedure No. 1302-2,1A Name RMS GUARDIAN
RMG-3

Date Data Taken 1/6/79

Date Completed and/or Justified 2-2-79

o.	E/D	Par	Description/Initial/Date	Resolution	Signoff	Date
	D	6.1.6a	ALARM Points Not As per 1101-2.1 N 1/6/79 792	Set Alarms for 1302-3.1 Appendix C Ref 1101-2.1	JH9	2-2-79
	D	6.1.5d	Full open source reading, NOT IN SPEC RMG-10 W 1-8-79 Witz 1-8-79	Perform Appendix C, C.2.0. Per 1302-3.1	JH9	2-2-79
	D	6.1.5b	Exceeded corrected readings NOT IN SPEC ON ALL Positions RMG-2 W 1-8-79 Witz 1-8-79	Perform Appendix C, C.2.0, Per 1302-3.1	R09	2-2-79
	D	6.1.5b	Corrected Full open does NOT meet spec RMG-3 1-8-79 W Witz 1-8-79	Perform Appendix C, C.2.0. Per 1302-3.1	R09	2-2-79
	D	6.1.5b	ALL readings corrected NOT IN SPEC RMG-12 W 1-8-79 Witz 1-8-79	Perform Appendix C, C.2.0. Per 1302-3.1	R09	2-2-79
	D	6.1.5c	open reading not in spec RMG-4 W 1-9-79 Witz 1-9-79	Perform Appendix C C.2.0 Per 1302-3.1	R09	2-2-79

Surveillance Procedure Exception and Deficiency List

Surveillance Procedure No. 1302-3.1A Name RMS QUARTERLY

Date Data Taken 1-6-79

Date Completed and/or Justified 2-2-79

No.	E/D	Par	Description/Initial/Date	Resolution	Signoff	Date
7	E	6.1.11A Thru 6.1.58	RMC-8 WAS NOT done DUE TO ITS LOCATION IN R&B Bldg. Tech. Spec. Table 4.1-1 SECTION 28, NOTE 2 ALLOWS THIS 1/10/79 RSC JH	Table Section 4.1-1 #28 NOTE #2 ALLOWS THIS	RSC	2-2-79

DATA SHEET 1
RADIATION MONITOR SYSTEMS

SURVEILLANCE PROCEDURE 1302-3.1
Required Interval - Quarterly
MTX 183.1

WARNING: PRIOR TO PLACING RMS
INTERLOCK DEFEAT SWITCH IN DE-
FEAT, PERMISSION MUST BE GRANTED
BY SHIFT SUPERVISOR/FOREMAN AND
ENTRY MUST BE MADE IN CONTROL
ROOM LOG.

Procedure Step No.			As Found	As Left
6.1.1.1a.	Channel	RM-G-1		
	FCK Used	Source No.	303	
		Serial No.	84F-2-5	
6.1.1.1b.	Background	Recorder	3 MR/hr	3 MR/hr
		Ratemeter	3 MR/hr	3 MR/hr
6.1.1.1c.	Source Reading (Closed)	Recorder	32 MR/hr	32 MR/hr
		Ratemeter	32 MR/hr	32 MR/hr
6.1.1.1d.	Source Reading (Inter- mediate)	Recorder	420 MR/hr	420 MR/hr
		Ratemeter	420 MR/hr	420 MR/hr
6.1.1.1e.	Source Reading (Open)	Recorder	3200 MR/hr	3200 MR/hr
		Ratemeter	4000 MR/hr	4000 MR/hr
6.1.3a.	Corrected Source Reading (Closed)	Recorder	31.7 MR/hr	31.7 MR/hr
		Ratemeter	31.7 MR/hr	31.7 MR/hr
6.1.3b.	Corrected Source Reading (Intermediate)	Recorder	476.7 MR/hr	476.7 MR/hr
		Ratemeter	476.7 MR/hr	476.7 MR/hr
6.1.3c.	Corrected Source Reading (Open)	Recorder	3772.7 MR/hr	3772.7 MR/hr
		Ratemeter	3772.7 MR/hr	3772.7 MR/hr
6.1.4a.	Original Source Reading (Closed)	(Table 1)	36 MR/hr	
6.1.4a.	Original Source Reading (Intermediate)		530 MR/hr	
	Original Source Reading (Open)		4600 MR/hr	
6.1.4b.	Original Source Reading Date		5-1-78	
	Elapsed Time (t)		22 MO.	
6.1.4c.	Expected Source Reading (Closed)		356 MR/hr	
	" " " " + 15%		409 MR/hr	
	" " " " - 15%		308 MR/hr	
	Expected Source Reading (Intermediate)		496 MR/hr	
	" " " " + 15%		570 MR/hr	
	" " " " - 15%		423 MR/hr	
	Expected Source Reading (Open)		4124 MR/hr	
	" " " " + 15%		4742 MR/hr	
	" " " " - 15%		3506 MR/hr	

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DATA SHEET 1 (Cont.)

6.1.5b.	Corrected Source Reading Within 15% of Expected?	Closed	Yes	Yes
	Yes/No	Intermediate	Yes	Yes
		Open	Yes	Yes
6.1.6a.	Required Alert Setpoint (1101-2.1)	0.5	MR/hr	0.5
	Required High Alarm Setpoint (1101-2.1)	1.4	MR/hr	1.4
6.1.6b.	"As Found" Alert Setpoint	0.5	MR/hr	0.5
6.1.6c.	"As Found" High Alarm Setpoint	1.4	MR/hr	1.4
6.1.6g.	"Observed" Alert Setpoint	0.5	MR/hr	0.5
6.1.6h.	"Observed" High Alarm Setpoint	1.4	MR/hr	1.4
6.1.6i.	"Observed" Setpoints Within One Minor Division of Req'd? (Yes/No)	Alert	Yes	Yes
		High Alarm	Yes	Yes
6.1.7a.*	Observed Increase In Reading Due to Check Source	0.5	MR/hr	0.5
**	Recorder Trace Marked (Yes/No)	Yes		Yes
6.1.9.1	New Calibration Sticker Installed? (Yes/No)	Yes		Yes



Acceptance Criteria: All Yes/No Blanks indicate Yes.
* Record "Pegged" if meter pegs high due to background.
** See Note In Text.

PERFORMED BY W. L. [Signature] DATE 1-9-79
APPROVED BY [Signature] DATE 1-10-81

Remarks:

DATA SHEET 1
RADIATION MONITOR SYSTEMS

SURVEILLANCE PROCEDURE 1302-3.1
Required Interval - Quarterly
MTX 183.1

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Procedure Step No.			As Found	As Left
6.1.1.1a.	Channel	RM-G-		
	FCK Used	Source No.	102	
		Serial No.	14-1-1	
6.1.1.1b.	Background	Recorder	1 MR/hr	1 MR/hr
		Ratemeter	1 MR/hr	1 MR/hr
6.1.1.1c.	Source Reading (Closed)	Recorder	30 MR/hr	30 MR/hr
		Ratemeter	30 MR/hr	30 MR/hr
6.1.1.1d.	Source Reading (Inter- mediate)	Recorder	300 MR/hr	300 MR/hr
		Ratemeter	300 MR/hr	300 MR/hr
6.1.1.1e.	Source Reading (Open)	Recorder	200 MR/hr	200 MR/hr
		Ratemeter	200 MR/hr	200 MR/hr
6.1.3a.	Corrected Source Reading (Closed)	Recorder	24.1 MR/hr	24.1 MR/hr
		Ratemeter	24.1 MR/hr	24.1 MR/hr
6.1.3b.	Corrected Source Reading (Intermediate)	Recorder	44.1 MR/hr	44.1 MR/hr
		Ratemeter	44.1 MR/hr	44.1 MR/hr
6.1.3c.	Corrected Source Reading (Open)	Recorder	44.1 MR/hr	44.1 MR/hr
		Ratemeter	44.1 MR/hr	44.1 MR/hr
6.1.4a.	Original Source Reading (Closed)	(Table 1)	26 MR/hr	
6.1.4a.	Original Source Reading (Intermediate)		631 MR/hr	
	Original Source Reading (Open)		4600 MR/hr	
6.1.4b.	Original Source Reading Date		8-1-78	
	Elapsed Time (t)		12 MO.	
6.1.4c.	Expected Source Reading (Closed)		32 MR/hr	
	" " " " + 15%		36.8 MR/hr	
	" " " " - 15%		27.2 MR/hr	
	Expected Source Reading (Intermediate)		44.1 MR/hr	
	" " " " + 15%		50.7 MR/hr	
	" " " " - 15%		37.5 MR/hr	
	Expected Source Reading (Open)		46.0 MR/hr	
	" " " " + 15%		52.9 MR/hr	
	" " " " - 15%		39.1 MR/hr	

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DATA SHEET 1
RADIATION MONITOR SYSTEMS

SURVEILLANCE PROCEDURE 1302-3.1
Required Interval - Quarterly
MTX 183.1

WARNING: PRIOR TO PLACING RMS
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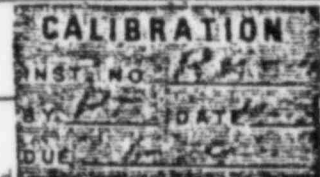
Procedure Step No.			As Found	As Left
6.1.1.1a.	Channel	RM-G-4		
	FCK Used	Source No.	202	
		Serial No.	245-8-1	
6.1.1.1b.	Background	Recorder	.7 MR/hr	.7 MR/hr
		Ratemeter	.7 MR/hr	.7 MR/hr
6.1.1.1c.	Source Reading (Closed)	Recorder	32 MR/hr	32 MR/hr
		Ratemeter	35 MR/hr	35 MR/hr
6.1.1.1d.	Source Reading (Inter- mediate)	Recorder	490 MR/hr	490 MR/hr
		Ratemeter	520 MR/hr	500 MR/hr
6.1.1.1e.	Source Reading (Open)	Recorder	5700 MR/hr	4100 MR/hr
		Ratemeter	6000 MR/hr	4500 MR/hr
6.1.3a.	Corrected Source Reading (Closed)	Recorder	11.1 MR/hr	11.1 MR/hr
		Ratemeter	14.1 MR/hr	14.1 MR/hr
6.1.3b.	Corrected Source Reading (Intermediate)	Recorder	489.1 MR/hr	489.1 MR/hr
		Ratemeter	529.1 MR/hr	499.1 MR/hr
6.1.3c.	Corrected Source Reading (Open)	Recorder	5409.1 MR/hr	4099.1 MR/hr
		Ratemeter	6549.1 MR/hr	4499.1 MR/hr
6.1.4a.	Original Source Reading (Closed)	(Table 1)	56 MR/hr	
6.1.4a.	Original Source Reading (Intermediate)		530 MR/hr	
	Original Source Reading (Open)		4600 MR/hr	
6.1.4b.	Original Source Reading Date		5-1-76	
	Elapsed Time (t)		32 MO.	
6.1.4c.	Expected Source Reading (Closed)		32.8 MR/hr	
	" " " " + 15%		37.7 MR/hr	
	" " " " - 15%		28.2 MR/hr	
	Expected Source Reading (Intermediate)		498 MR/hr	
	" " " " + 15%		572 MR/hr	
	" " " " - 15%		423 MR/hr	
	Expected Source Reading (Open)		4724 MR/hr	
	" " " " + 15%		5422 MR/hr	
	" " " " - 15%		3675 MR/hr	

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DATA SHEET 1 (Cont.)

6.1.5b.	Corrected Source Reading Within 15% of Expected?	Closed	Yes	Yes
		Intermediate	Yes	Yes
		Open	No	Yes
6.1.6a.	Required Alert Setpoint (1101-2.1)	1.5 MR/hr	1.5 MR/hr	
	Required High Alarm Setpoint (1101-2.1)	2.5 MR/hr	2.5 MR/hr	
6.1.6b.	"As Found" Alert Setpoint	1.5 MR/hr	1.5 MR/hr	
6.1.6c.	"As Found" High Alarm Setpoint	2.5 MR/hr	2.5 MR/hr	
6.1.6g.	"Observed" Alert Setpoint	1.2 MR/hr	1.2 MR/hr	
6.1.6h.	"Observed" High Alarm Setpoint	2.0 MR/hr	2.0 MR/hr	
6.1.6i.	"Observed" Setpoints Within One Minor Division of Req'd? (Yes/No)	Alert	Yes	Yes
		High Alarm	Yes	Yes
6.1.7a.*	Observed Increase In Reading Due to Check Source	MR/hr	1.0	MR/hr
	** Recorder Trace Marked (Yes/No)		Yes	
6.1.9.1	New Calibration Sticker Installed? (Yes/No)		Yes	



Acceptance Criteria: All Yes/No Blanks indicate Yes.

* Record "Pegged" if meter pegs high due to background.

** See Note In Text.

PERFORMED BY MR. Hockley DATE 1/9/79

APPROVED BY MR. [Signature] DATE 1-10-79

Remarks: