START

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INFORMATION RELEASE REQUEST

References: WHC-CM-3-4

COMPLETE FOR ALL TYPES OF RELEASE

Purpose

- [] Speech or Presentation
  - [] Full Paper
  - [] Summary
  - [] Abstract
  - [] Visual Aid
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- [] Technical Report
- [] Thesis or Dissertation
- [] Manual
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- [] Software/Database
- [] Controlled Database
- [X] Other Regulators

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If previously cleared, list ID number:

Date Release Required: January 22, 1992

Title	Unclassified Category	Impact Level
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COMPLETE FOR SPEECH OR PRESENTATION

Title of Journal	Group or Society Sponsoring
N/A	

Date(s) of Conference or Meeting	City/State	Will proceedings be published?	[] Yes	[] No
		Will material be handed out?	[] Yes	[] No

Title of Conference or Meeting:

CHECKLIST FOR SIGNATORIES

Review Required per WHC-CM-3-4	Yes	No	Reviewer Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	[]	[X]			
Patent - General Counsel	[X]	[]	B. D. Williamson	BDWilliamson	1/23/92
Legal - General Counsel	[X]	[]	B. D. Williamson	BDWilliamson	1/23/92
Applied Technology/Export Controlled Information or International Program	[]	[X]			
WHC Program	[X]	[]	J. A. Eacker	BDEl for JAEacker per telecon.	1/23/92
Communications	[]	[X]			
DOE-RL Program	[X]	[]	R. G. Holt	Robert G. Holt	1/23/92
Publication Services	[]	[X]			
Other Program	[]	[X]			
References Available to Intended Audience	[]	[X]			
Transmit to DOE-HQ/Office of Scientific and Technical Information	[]	[X]			

Information conforms to all applicable requirements. The above information is certified to be correct.

Author/Requestor (Printed/Signature)	Date
Michael J. Hall Michael J Hall	1/23/92

Responsible Manager (Printed/Signature)	Date
Bradley G. Erlandson Bradley G Erlandson	1/23/92

Intended Audience

[] Internal [] Sponsor [X] External

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP

Stamp is required before release. Release is contingent upon resolution of mandatory comments.

INFORMATION

APPROVED FOR RELEASE — Operated Document — NS — Date 1-23-92

Date Received 1-23-92

APR 1992 RECEIVED EDMC

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BD-7600-062 (4/90) (EF) WEF074
Information Release Request

Part 1

ID Number TraC-0377

Lead Author	Phone	MSIN	Other Author(s) or Requestor
Michael J. Hall	6-3664	B2-19	
Project or Program	**Lead Org Code**		**Sponsor Agency (DOE, DOT, NRC, USGS, etc.)**
	81140		DOE
Editor	**Phone**	**MSIN**	**DOE/HQ Program (DP, EH, EM, NE, etc.)**
N/A			

Mandatory Comments*	Reviewer Name & Signature	Date	Resolution	Date

*Only mandatory comments are to be documented. All other comments should be made on a copy of the information submitted for review and returned to the author.

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Patent Status	[ ]	[ ]	[ ]	[ ]					
Predecisional Information	[ ]	[ ]	[ ]	[ ]					

N/A

Responsible Manager (Printed/Signature)

9 2 1 2 3 7 1 0 7 2 3

TANK FARM PLANT O R TING PROCEDURE

TRAC-0377

FACILITY ALARM STATUS DATA SHEET

DATE 1-4-92 FACILITY 242-S

PANEL NO.	ALARM NO.	ALARM TITLE	STATUS/CAUSE	ACTION TAKEN	OPER/SUPRV INITIALS DATE/TIME	ALARM CLEARED DATE	OPER	SUPRV
G-1	22	Leak detected 241-SY Process Pits LOA PP		TFOA	8-21-91 MM updated 1-4-92 DPn			
G-1	29	SY Repeater Alarm	Low Flows to Annulus	w/o 91-00078	8-19-91 MM updated 1-4-92 DPn			
G-1	28	LOT or RAT tripped	OIC Leak det. Pit will not reset	TFOA	10-6-91 MM updated 1-4-92 DPn			
G-1	36	acid storage Pit Sump Level High	Rain H_2O IN Sump area	TFOA	12-21-91 MM updated 1-4-92 DPn	1-10-92	YMH	[illegible]
G-1	41	Annulus Sample Pump Stopped SY-101	Burned up Pump	TFOA S-3 written	12-1-91 MM updated 1-4-92 DPn	~~1-7-92~~	BEB	[illegible]
G-2	51	Alarm 244TK Recur TK	~~High Level~~	~~TFOA~~	1-2-92 MM updated ~~1-4-92~~ DA	~~1-8-92~~	BEB	[illegible]
G-2	60	Encasement Leak LOA-V522	Rain tripped LO	TFOA	12-3-91 MM updated 1-4-92 DPn			
G-2	66	Heater K1-4-2 overtemp TA-K1-3-1	Temp control Failure	J-1	10-8-90 MM updated 1-4-92 DPn			
G-2	67	244-S Pump Pit Drain (LOA-PP-2) Hi	Jumper inst.	TFOA	12-14-91 MM updated 1-4-92 DA			

SUPERVISION REVIEW _____ Date _____

Document No.	Rev/Mod	Page
TO-020-755	A-5	6

9 2 1 2 5 7 4 0 7 2 4

TANK FARM PLANT OPERATING PROCEDURE

FACILITY ALARM STATUS DATA SHEET

DATE 1-5-92 FACILITY 241-SY

PANEL NO.	ALARM NO.	ALARM TITLE	STATUS/CAUSE	ACTION TAKEN	OPER/SUPRV INITIALS DATE/TIME	ALARM CLEARED DATE	OPER	SUPRV
~~B-3~~	~~1~~	~~WF-H (WAF-01C) LEAK DETECTION PIT-01C~~	~~Water in 01C~~	~~Scheduled to be pumped~~	~~DA 3-3-91 CWM UPDATE 1-5-92~~	~~1-7-92 0320~~	~~BEP~~	
B-3	6	WF-H (WAF-02C) LEAK DETECTION PIT-02C	Water in 02C	Scheduled to be pumped	DA 5-2-91 CWM UPDATE 1-5-92			
B-3	28	FLOW-LOW (AL-1-2) ANNULUS EXH	Faulty instrument.	J-1 2-2-90 2W-90-02657	DA 12-2-91 CWM UPDATE 1-5-92			
~~B-3~~	~~9~~	~~WEIGHT FACTOR IF CWFA-0200 LEAK DET PIT~~						
B-3	16	LEAK DECT LDA-101-2+LDA TANK ANNULUS	SHORTED	ISSUED PRIORITY 1 packaged to have 101-SY-ann cam vacuum ~~SHORT FIXED~~	1/6/92 BB	1-7-92	BEP	[illegible]
B3	1	WF-H Leak Detection Pit ~~02-C~~ 01-C	BEP	Scheduled to be pumped	BEP 1-7-92 0455 BB			
~~B3~~	~~1~~							
B-3	~~18~~ 23	V.P. SW F.P. Limit SW	BOB ~~Unknown~~ ORM is alarmed	NOTIFICATION issued J-3 to trouble the Monitor. 1/10/92	P.E. 1/8/92 BB	1/14/92	[illegible]	[illegible]

B3

SUPERVISION REVIEW _____ Date _____

6.3 ACTION CRITERIA 241-SY TANK FARM

Figure 6-3 depicts the 241-SY Tank Farm. The following paragraphs provide information on action criteria for the waste tanks in the farm.

6.3.1 Leak Detection Drywells

No drywells installed.

6.3.2 Leak Detection Pits

1. Leak detection pits normally provide process control data only. Anomaly criteria for leak detection pits are as follows:

   a. A weight factor increase in excess of 4 in. from an established baseline value.

   b. A radiation level increase in excess of 0.2 R/h from an established baseline value.

   c. If conditions (a) and (b) are observed, then a TFSA&S Discrepancy Report will be issued.

2. If conditions listed in (c) above occur with the criteria identified in Section 6.3.3, items 1 and 2, then an EFS, Critique, or UOR Report must be issued.

3. Failure of both pit leak detection systems (Weight Factor and Radiation Sensor) will require repair of at least one system within 5 d, otherwise a TFSA&S discrepancy/EFS report shall be issued.

4. In the event of a failure of one leak detection system (with the other remaining functional), repair must be effected within 10 working days. Otherwise a TFSA&S discrepancy report shall be issued.

5. Operational liquid level limits, inches.
   <u>Minimum</u> weight factor of one whole dial division (4 in.).
   <u>Maximum</u> weight factor of six whole dial divisions (24 in.).

6.3.3 Annulus Leak Detection

1. Any indication of a leak as sensed by an annulus conductivity probe will be investigated by TFPE.

2. An annulus exhaust vent radiation reading increase greater than three times that of an established baseline value and verified by an increase on the annulus exhaust air filter sample of long half-life isotopes will be investigated by TFPE.

9 2 1 2 5 7 4 0 7 2 6

3. Failure or scheduled shutdown on an annulus ventilation system or its radiation recorder for a period of longer than 24 h shall require evaluation by TFPE (OSR related).

4. A preventive maintenance functional check of the adjustable annulus leak detection conductivity probes shall be performed per PISCES frequency. Failure, as detected by this inspection, will be corrected within 24 h (OSR related).

6.3.4 Surface Level Measurement

All surface level measurement data are evaluated for conformance to the limits stated in Table 6-3. In the event that a limit is exceeded, Tank Farms and TFSA&S management are to be notified immediately.

9 2 1 2 3 7 4 0 7 2 7

Table 6-3. 241-SY Tank Farm Surface Level Measurement Limits.

Tank	Monitoring leak detection criteria (in.)[a]		Operational surface level measurement limits (in.)		Field reading frequency[c]
	Decrease[b]	Increase	Minimum	Maximum	
101-SY	5.00	5.00	18	416	D
102-SY	5.00	3.00	18[d]	406[e]	D
103-SY	5.00	3.00	18	416	D

[a]Values listed in the "Decrease" and "Increase" columns for surface-level measurement criteria are maximum permissible changes from baseline values established by TFSA&S.

[b]A TFPE limit of 70 in., except when the evaporator is shut down, or if the feed has been analyzed and found not to contain organics.

[c]Frequency Monitor (S = per shift; D = once per day; W = weekly; M = monthly; Q = quarterly). The frequency applies to manual measurement devices (MT, MF), which are baseline values. Baseline measurements can be located by Option 33 of the CASS Tall system. Manual FIC field reading frequencies will apply when automatic FIC devices are out of service. If a reading is not obtained every 24 h, an Event Fact Sheet/Critique will be issued per OSR requirements.

[d]The tank is connected to an operating exhauster and routine psychometric surveys are performed. Decrease must be accompanied by significant changes in the annulus and leak detection pit systems. Primary tank surface level measurement monitoring is not considered a "first line-stand alone" monitoring method. Routine surface level measurement surveillance monitoring will continue; however, it will be used as a backup system, as an investigative tool, and to provide additional information regarding conditions within the primary tank. Unexplained drops in surface level measurements of greater than 1.0 in., which are not accompanied by changes in the readings of the tank integrity (annulus and leak detection pit) monitoring devices, will be evaluated. Unexplained surface level measurement drops of greater than 5.0 in. will be treated as operating limit deviations provided they are not accompanied by significant changes in the readings of the tank integrity monitoring devices.

[e]Tank 102-SY is used as a source pump tank for inter-area transfers. A maximum operating limit of 406 in. for a surface level measurement is necessary to assure sufficient tank capacity for receiving multiple drainback and line flushes for an expected transfer condition (pipeline leakage, line blockage, etc.). A temporary maximum operating limit of 416 in. will be established upon request as needed to accommodate a non-process operation such as line flush or drainback.

9 2 1 2 3 7 1 0 7 2 8

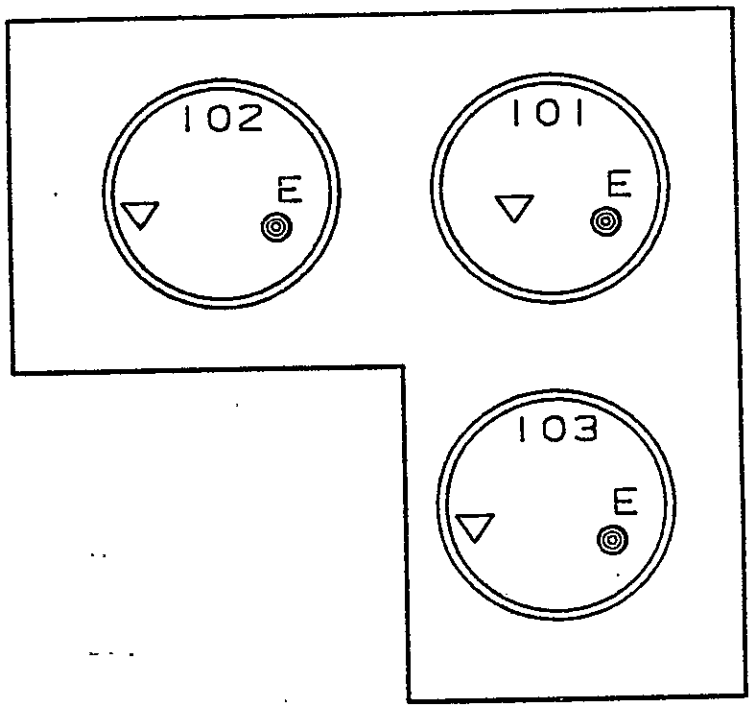


Figure 6-3. 241-SY Tank Farm.

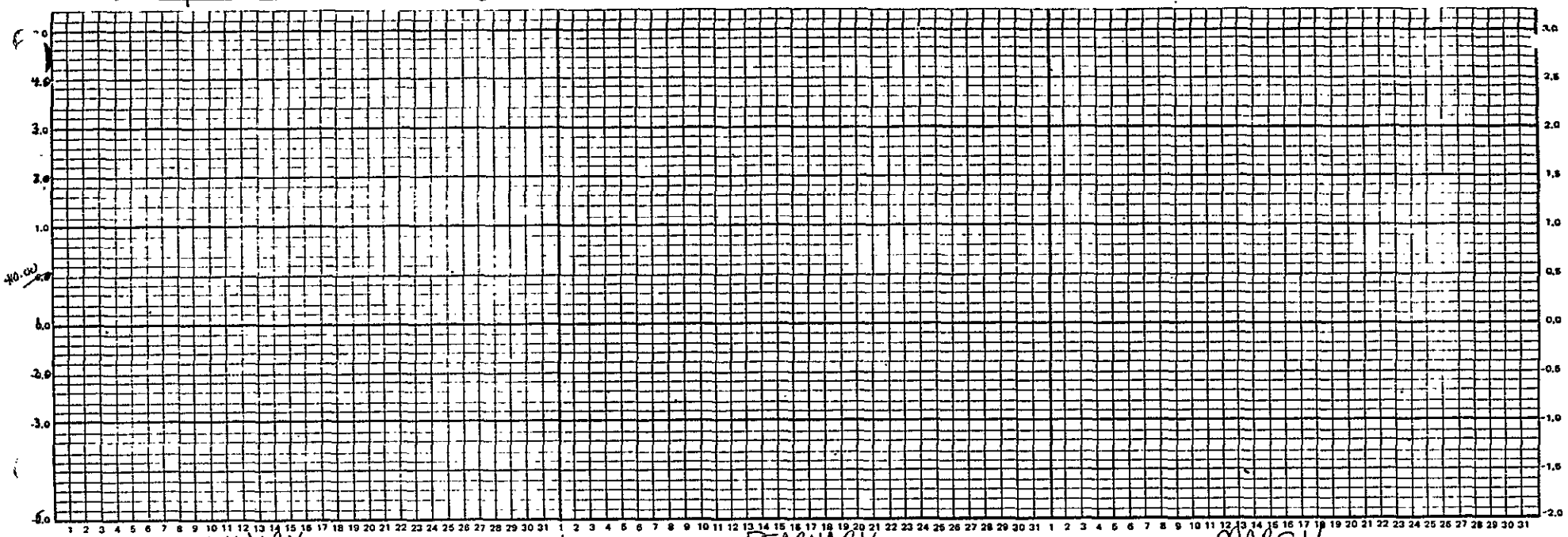
9 2 1 2 3 7 3 7 3 9

9 2 1 2 3 7 4 0 7 3 0

Max Operating Limit 416" ↑5.00"
Min. Operating Limit 18" ↓5.00"

TANK: 101-SY

Quarter 1st Year 1992



JANUARY

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1	O/S	396.50			17	403.20	398.50	
	2	"	397.00			18	404.40	398.50	
	3	"	397.00			19	404.30	398.75	
	4	402.50	397.00			20	402.80	399.00	CF
	5	402.40	397.00			21	402.90	399.25	
	6	402.50	396.75	RF		22			
	7	401.60	397.25			23			
	8	401.60	397.25			24			
	9	OFF	397.50			25			
	10	404.70	397.50			26			
	11	402.00	397.75			27			
	12	402.00	397.75	RF		28			
	13	402.10	398.00			29			
	14	402.20	398.25			30			
	15	403.30	398.25			31			
	16	403.35	421.00						

FEBRUARY

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1					17			
	2					18			
	3					19			
	4					20			
	5					21			
	6					22			
	7					23			
	8					24			
	9					25			
	10					26			
	11					27			
	12					28			
	13					29			
	14					30			
	15					31			
	16								

MARCH

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1					17			
	2					18			
	3					19			
	4					20			
	5					21			
	6					22			
	7					23			
	8					24			
	9					25			
	10					26			
	11					27			
	12					28			
	13					29			
	14					30			
	15					31			
	16								

BD-6600-011 (R-2-78)

9 2 1 2 5 7 4 0 7 3 1

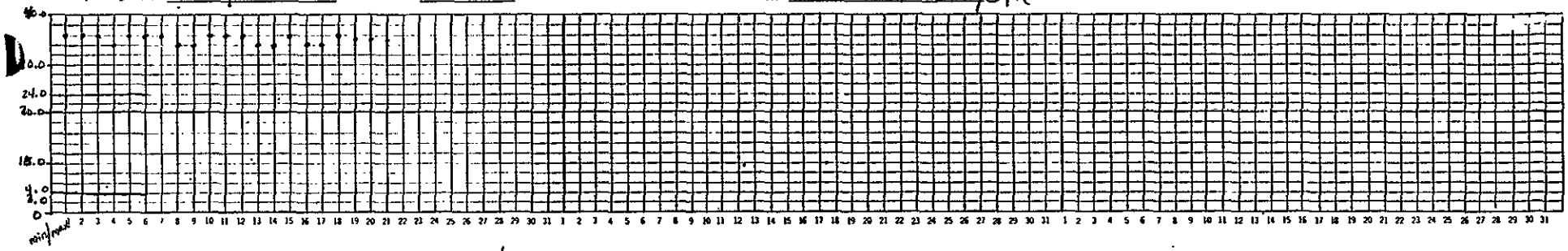
Max. Operating Limit 24" ± 4.00"

Min. Operating Limit 4' ± —

LEAK DETECTION PIT

TANK: 101-SY WAF/SPG

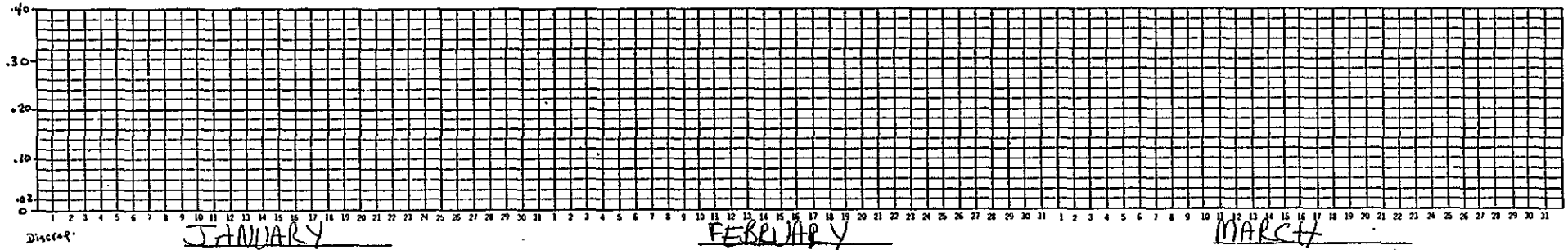
Quarter 1st Year 1992



Max. Operating Limit — ± 0.2 R/Hr.

Min. Operating Limit — ± —

TANK: 101-SY RAD. LEVEL



JANUARY

Review	Day	WAF	SpG	Rad	TFSA	Review	Day	WAF	SpG	Rad	TFSA
	1	36.0	1.02	Rejected			17	34.0	1.01	Rej	
	2	36.0	1.01	"			18	36.0	1.01	"	
	3	36.0	1.005	"			19	35.0	1.06	"	
	4	34.0	1.01	"			20	35.0	1.011	"	
	5	36.0	1.01	"			21	35.0	1.011	"	
	6	36.0	1.02	"	IT		22				
	7	36.0	1.02	"			23				
	8	34.0	1.0	"			24				
	9	34.0	1.02	"			25				
	10	36.0	1.02	"			26				
	11	36.0	1.02	"			27				
	12	36.0	1.03	"	IT		28				
	13	34.0	1.75	"			29				
	14	34.0	2.0	"			30				
	15	36.0	1.75	"			31				
	16	34.0	1.75	"							

FEBRUARY

Review	Day	WAF	SpG	Rad	TFSA	Review	Day	WAF	SpG	Rad	TFSA
	1						17				
	2						18				
	3						19				
	4						20				
	5						21				
	6						22				
	7						23				
	8						24				
	9						25				
	10						26				
	11						27				
	12						28				
	13						29				
	14						30				
	15						31				
	16										

MARCH

Review	Day				TFSA	Review	Day				TFSA
	1						17				
	2						18				
	3						19				
	4						20				
	5						21				
	6						22				
	7						23				
	8						24				
	9						25				
	10						26				
	11						27				
	12						28				
	13						29				
	14						30				
	15						31				
	16										

BD 6600 017 (N-1-81)

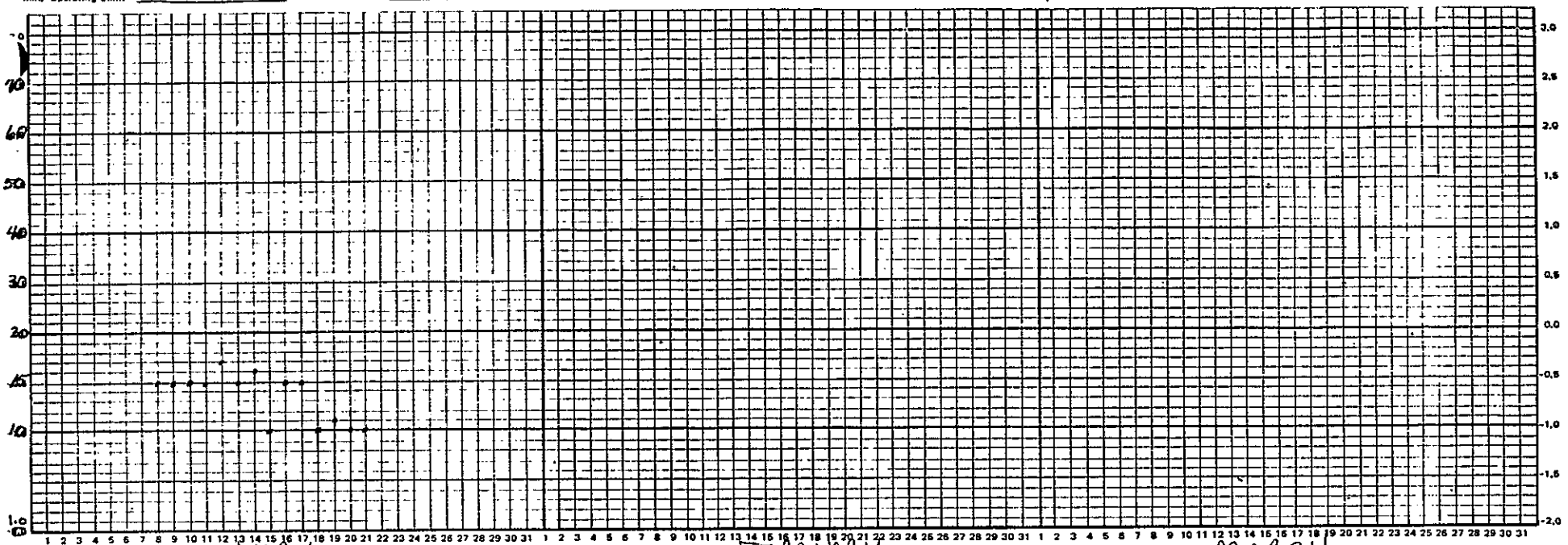
9 2 1 2 5 7 4 0 7 3 2

Max. Operating Limit ____

Min. Operating Limit ____

3 X BASELINE

TANK: 101-SY ANNULUS Exh. Rad. Quarter 1st Year 1992



Discrep.

JANUARY

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1	0/5				17	15		
	2	"				18	10		
	3	Rejected				19	11		
	4	"				20	10		NF
	5	"				21	10		
	6	0/5		NF		22			
	7	11				23			
	8	15				24			
	9	15				25			
	10	15				26			
	11	15				27			
	12	17		NF		28			
	13	15				29			
	14	16				30			
	15	10				31			
	16	15							

FEBRUARY

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1					17			
	2					18			
	3					19			
	4					20			
	5					21			
	6					22			
	7					23			
	8					24			
	9					25			
	10					26			
	11					27			
	12					28			
	13					29			
	14					30			
	15					31			
	16								

MARCH

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1					17			
	2					18			
	3					19			
	4					20			
	5					21			
	6					22			
	7					23			
	8					24			
	9					25			
	10					26			
	11					27			
	12					28			
	13					29			
	14					30			
	15					31			
	16								

BD-6600-011 (R-2-79)

TANK FARM PLANT OPERATING PROCEDURE

TANK FARM LIQUID LEVEL READINGS OSR DATA SHEET	TANK FARM AN AP AW SY	DATE 1-7-92

TANK NO.	12-8 FIC (INCHES)	8-4 FIC (INCHES)	8-4 MANUAL TAPE (FEET/INCHES)	4-12 FIC (INCHES)	8-4 (WEEKLY) FIC PURGE AIR (CFH)
101	① 401.8	① 401.6	33' 1¼"	33' 1¼" ①	17
102	① OFF	① OFF	19' 4"	19' 4" ①	35
103	① 272.4	① 272.4	22' 10"	272.3 22' 10" ①	40
104	N/A	NA	NA	NA	NA
105	↓	↓	↓	↓	↓
106					
107					
108					
OPERATOR	B E Phillips	M J Armstrong	M J Armstrong	R W Christiansen	M J Armstrong
SUPERVISION	[signature]	J R Sederling	J R Sederling	D P [signature]	J R Sederling

9 2 1 2 5 7 4 0 7 3 3

LIMITS - OSD-T-151-00007 Liquid Level MAX.: 422 in. MIN.: 6 in.

SD-WM-SAR-016, OSR 11.5

The ventilation system shall not be operated unless the liquid level is 6 in. or greater (241-SY, AN, AW, and AP tanks).

(Record all tape or FIC flushes and any pertinent information below.)

REMARKS:

① Field Reading

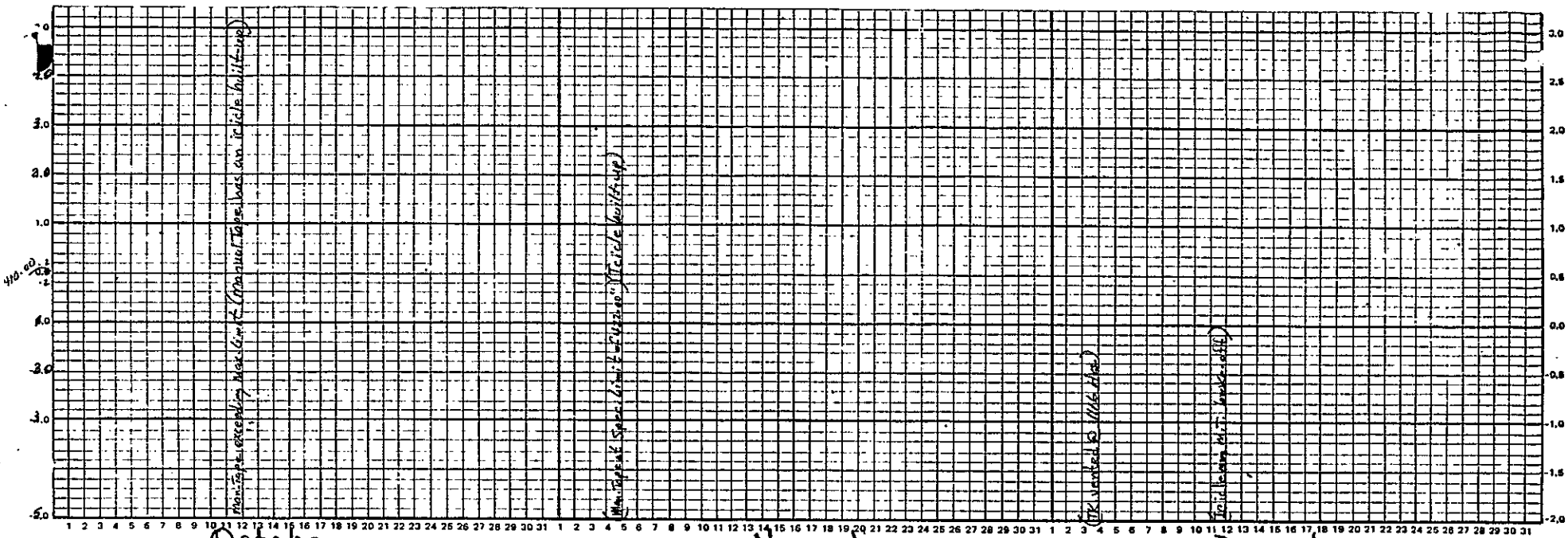
NOTE: LEFT DC METER IN ISTMT BLDG, FOR OPERATORS. DC METER AT 101 SY MT, "NO GOOD."

9 2 1 2 5 7 4 0 7 3 4

Max. Operating Limit 416" ↑5.00"
Min. Operating Limit 18" ↓5.00"

TANK: 101-SY

Quarter 4th Year 1991



October

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1	O/S	413.50			17	O/S	417.25	RF
	2	"	413.50			18	"	417.50	
	3	"	414.00			19	"	417.75	
	4	"	414.25			20	"	418.25	VOM
	5	"	414.50			21	"	418.50	
	6	"	414.50	VOM		22	"	418.75	
	7	"	414.50			23	"	418.75	
	8	"	415.25			24	"	419.25	
	9	"	415.25			25	"	419.75	
	10	"	415.75			26	"	420.00	
	11	"	416.00			27	"	420.00	
	12	"	416.25			28	"	420.00	
	13	"	416.50	VOM		29	"	420.50	RF
	14	"	416.75			30	"	420.50	
	15	"	417.00			31	"	420.75	
	16	"	418.00						

November

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1	O/S	420.875			17	O/S	425.00	
	2	"	421.00			18	"	425.00	RF
	3	"	421.25	VOM		19	"	425.00	
	4	"	421.50			20	"	425.25	
	5	"	422.00			21	"	425.50	
	6	"	422.50			22	"	425.50	
	7	"	422.50			23	"	426.00	
	8	"	423.00			24	"	424.50	
	9	"	423.25			25	"	424.75	RF
	10	"	423.50	RF		26	"	425.00	
	11	"	423.50			27	"	425.50	
	12	"	423.25			28	"	425.25	
	13	"	424.25			29	"	425.25	
	14	"	424.25			30	"	425.50	
	15	"	424.50			31			
	16	"	424.50						

December

Review	Day	FIC	Manual Tape	TFS	Review	Day	FIC	Manual Tape	TFS
	1	O/S	426.00	RF		17	O/S	395.50	
	2	"	426.00			18	"	395.50	
	3	"	426.15			19	"	395.15	
	4	"	427.00			20	"	395.75	
	5	"	416.00			21	"	396.00	
	6	"	415.25			22	"	395.50	
	7	"	414.75			23	"	396.25	RF
	8	"	415.25			24	"	396.25	
	9	"	414.75	RF		25	"	396.50	
	10	"	414.25			26	"	396.50	
	11	"	414.50			27	"	396.75	
	12	"	394.50			28	"	396.75	
	13	"	395.00			29	"	396.75	RF
	14	"	395.00			30	"	396.75	
	15	"	395.25			31	"	396.50	
	16	"	395.50	RF					

SD-6600-011 (R-2-79)

9 2 1 2 5 7 4 0 7 3 5

Max Operating Limit —

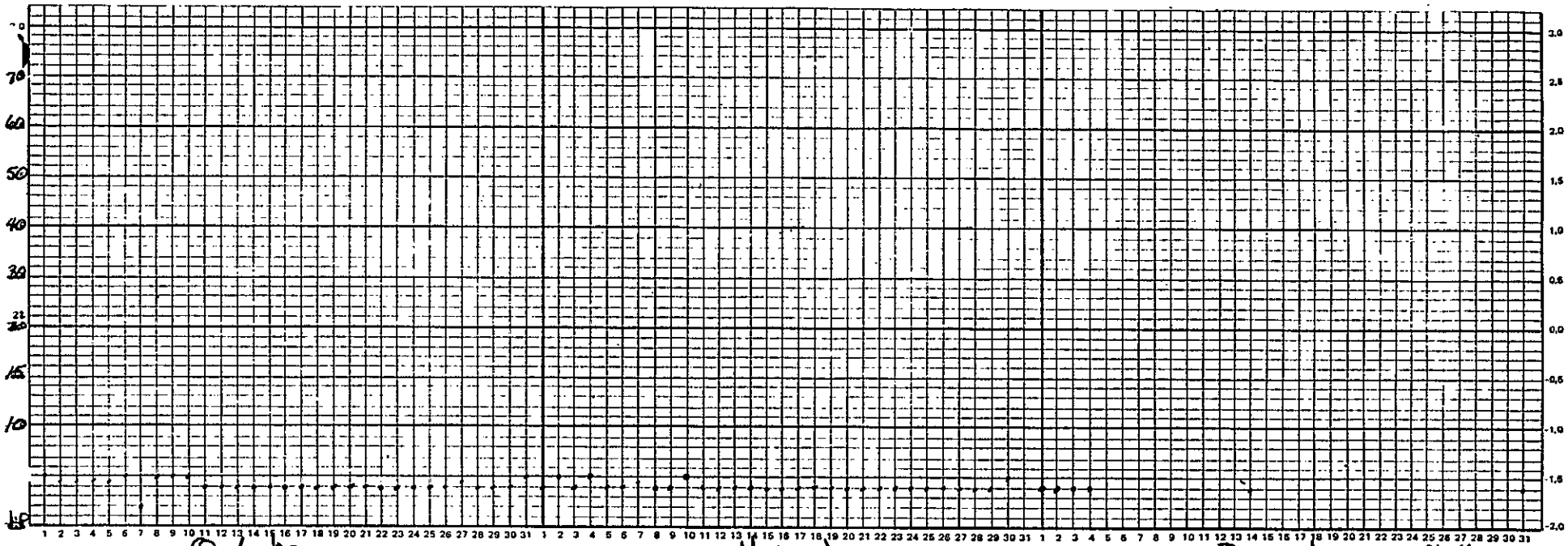
Min. Operating Limit —

3 x Baseline

TANK: 102-5Y Annulus Exh. Rad.

Quarter 4th

Year 2992



October

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1	5				17	4		RF.
	2	4.5				18	4		
	3	4.5				19	4		
	4	4.5				20	4		VOm
	5	4.5				21	4		
	6.	5		VOm		22	4		
	7	2				23	4		
	8	5				24	4		
	9	5				25	4.		
	10	5				26	4		
	11	4				27	4.5		
	12	4				28	4		
	13	4		VOm		29	4		RF.
	14	4				30	4		
	15	4				31	5		
	16	4							

November

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1	4				17	4		
	2	5				18	4		RF.
	3	4		VOm		19	4		
	4	5				20	4		
	5	4				21	4		
	6	4				22	4		
	7	4.5				23	4		
	8	4				24	4		
	9	4				25	4		RF.
	10	5		RF.		26	4		
	11	4				27	4		
	12	4				28	4		
	13	4				29	4 (Lj)		
	14	4				30	5		
	15	4				31	—		
	16	4							

December

Review	Day	RAD	Manual Tape	TFS	Review	Day	RAD	Manual Tape	TFS
	1	4		RF.		17	Rejected		
	2	4				18	"		
	3	4				19	"		
	4	4				20	"		
	5	Rejected				21	"		
	6	0/S				22	"		
	7	"				23	0/S		RF.
	8	"				24	"		
	9	"		RF.		25	"		
	10	"				26	"		
	11	"				27	"		
	12	"				28	"		
	13	"				29	"		RF.
	14	4				30	0/S		
	15	0/S				31	0/S 4		
	16	Rejected		RF.					

BD-6600-011 (R-2-79)

9 2 1 2 5 7 4 0 7 3 6

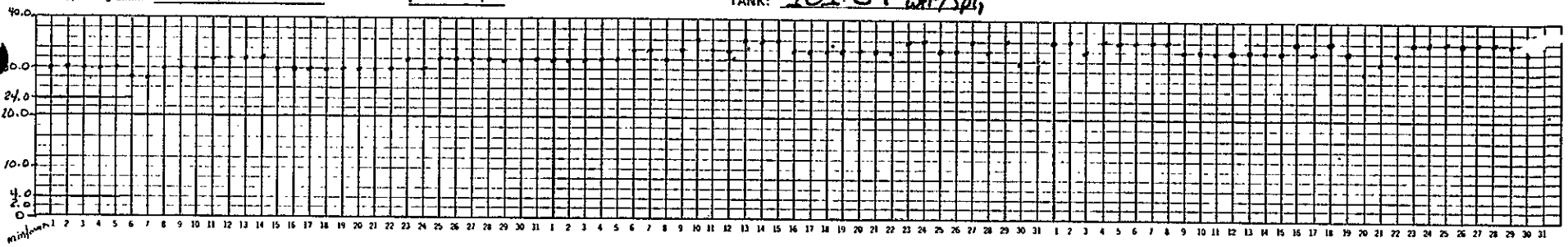
Max. Operating Limit: 24" ± 4.00"

Min. Operating Limit: 4" ±

Leak Detection Pit

TANK: 101-SY WAF/SpG

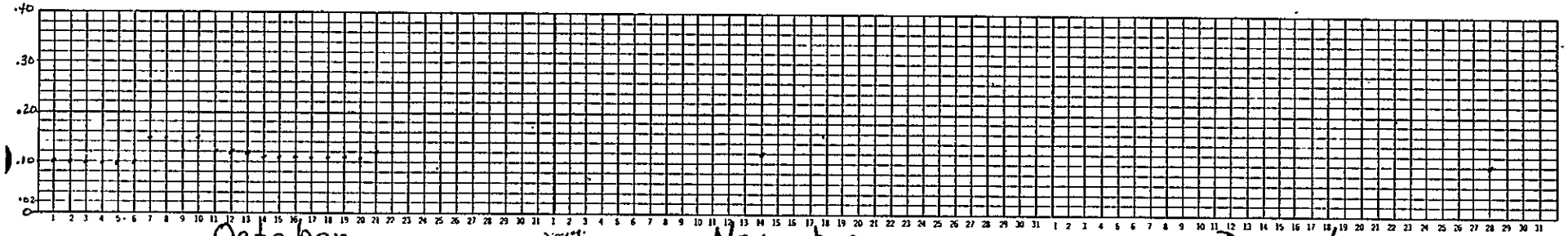
Quarter: 4th Year: 1991



Max. Operating Limit: ± 0.2 R/Hr.

Min. Operating Limit: ±

TANK: 101-SY Rad. Level



October

Review	Day	WAF	SpG	Rad	TFSA	Review	Day	WAF	SpG	Rad	TFSA
	1	30.0	1.01	.10			17	30.0	1.0	.11	RF
	2	30.0	1.005	.10			18	30.0	1.1	.11	
	3	30.0	1.01	.10			19	30.0	1.05	.11	
	4	30.0	1.005	.10			20	30.0	1.05	.11	Vom
	5	30.0	1.005	.10			21	30.0	1.0	.12	
	6	28.0	1.0	.10	Vom		22	30.0	1.0	.12	
	7	28.0	1.0	.15			23	32.0	1.01	Rejected	
	8	30.0	1.0	.15			24	30.0	1.0	"	
	9	30.0	1.0	.12			25	32.0	1.005	"	
	10	30.0	1.0	.15			26	32.0	1.01	"	
	11	32.0	1.1	.12			27	32.0	1.01	"	
	12	32.0	.2	.12			28	32.0	1.0	"	
	13	32.0	.2	.12	Vom		29	32.0	1.01	"	RF.
	14	32.0	1.05	.11			30	32.0	1.0	"	
	15	30.0	1.05	.11			31	32.0	1.01	"	
	16	30.0	1.01	.11							

November

Review	Day	WAF	SpG	Rad	TFSA	Review	Day	WAF	SpG	Rad	TFSA
	1	32.0	1.01	Rejected			17	34.0	1.015	Rejected	
	2	32.0	1.05	"			18	34.0	1.015	"	RF.
	3	32.0	1.010	"	Vom		19	34.0	1.015	"	
	4	32.0	1.05	"			20	34.0	1.05	"	
	5	32.0	1.05	"			21	34.0	1.20	"	
	6	34.0	1.01	"			22	34.0	1.2	"	
	7	34.0	1.005	"			23	36.0	1.005	"	
	8	32.0	1.05	"			24	36.0	1.005	"	
	9	34.0	1.02	"			25	34.0	1.015	"	RF.
	10	36.0	1.02	"	RF.		26	34.0	1.015	"	
	11	34.0	1.02	"			27	36.0	1.02	"	
	12	34.0	1.05	"			28	34.0	1.015	"	
	13	36.0	1.02	"			29	36.0	1.01	"	
	14	36.0	1.02	.12 Rej			30	32.0	1.01	"	
	15	36.0	1.02	"			31				
	16	34.0	1.015	"							

December

Review	Day	WAF	SpG	Rad	TFSA	Review	Day	WAF	SpG	Rad	TFSA
	1	36.0	1.01	Rejected	RF.		17	34.0	1.01	Rejected	
	2	36.0	1.02	"			18	36.0	1.01	"	
	3	34.0	1.015	"			19	34.0	1.015	"	
	4	36.0	1.05	"			20	30.0	1.25	"	
	5	36.0	1.05	"			21	32.0	1.05	"	
	6	36.0	1.05	"			22	34.0	1.075	"	
	7	36.0	1.05	"			23	36.0	1.03	"	RF
	8	36.0	1.05	"			24	36.0	1.04	"	
	9	34.0	1.02	"	RF.		25	36.0	1.03	"	
	10	34.0	1.01	"			26	36.0	1.03	"	
	11	34.0	1.05	"			27	36.0	1.03	"	
	12	34.0	1.01	"			28	36.0	1.02	"	
	13	34.0	1.01	"			29	36.0	1.02	"	RF
	14	34.0	1.01	"			30	34.0	1.02	"	
	15	34.0	1.01	"			31	36.0	1.1	"	
	16	36.0	1.01	"	RF.						

BD 6600-017 (N-1-81)

STATUS REPORT 241-SY TANK FARM

DATE 1-6-92

OPERATOR	(12-8) BE Phillips	(8-4) K Hartley	(4-12) RW Christian

GRAVEYARD SHIFT (12-8)

THERMOCOUPLE TEMPERATURES

CIRCLE TEMP >160 F AND NOTIFY SUPERVISOR

(REFERENCE TO-040-680)

IC	101-SY POSITION TEMP	102-SY POSITION TEMP	103-SY POSITION TEMP
	SS-101-1	SS-102-1	SS-103-1
37	2 120	2 73	2 112
39	4 123	4 70	4 112
41	6 123	6 70	6 100
43	8 123	8 70	8 135
45	10 123	10 65	10 118
47	12 122	12 65	12 95
49	14 117	14 65	14 89
	SS-101-3	SS-102-3	SS-103-3
92	28 103	28 72	28 NG
95	31 102	31 71	31 NG
	SS-101-4	SS-102-4	SS-103-4
104	11 104	11 70	11 NG
107	12 103	12 71	12 NG
112	5 91	5 71	5 NG
115	6 84	6 62	6 NG

RECORD SWITCH POSITION NUMBER AND TEMPERATURE FOR POINTS >160 F.

TANK	LEAK DETECTION PITS WF / SpG	LEAK DET. PIT RADIATION (R/Hr)	TANK VACUUM (IN W.G.)	ANNULUS RADIATION (CPS)
101	36 / 1.02	Rej.	-3.50	o/s
102	36 / 1.025	.16	-2.85	10
103	.5 / <1.0	Rej.	-2.90	29

WATER METER READINGS-GALLONS (RECORD PER TO-040-540)

(12-8)	(8-4)	(4-12)
645462 (c)	645462 (c)	645462 (c)

REMARKS:

SUPERVISOR	(12-8) Brian Biddle	(8-4) [signature]	(4-12) [signature]

BC-6500-044 (5-86)

9212374073 7

STATUS REPORT 241-SY TANK FARM

DATE: 1-7-92

OPERATOR	(12-8) B E Phillips	(8-4) MJ Armstrong	(4-12) [illegible]

GRAVEYARD SHIFT (12-8)

THERMOCOUPLE TEMPERATURES

CIRCLE TEMP >160 F AND NOTIFY SUPERVISOR

(REFERENCE TO-040-680)

IC	101-SY POSITION TEMP	102-SY POSITION TEMP	103-SY POSITION TEMP
	SS-101-1	SS-102-1	SS-103-1
37	2	2	2
39	4	4	4
41	6	6	6
43	8	8	8
45	10	10 NA	10
47	12	12	12
49	14	14	14
	SS-101-3	SS-102-3	SS-103-3
92	28	28	28
95	31	31	31
	SS-101-4	SS-102-4	SS-103-4
104	11	11	11
107	12	12	12
112	5	5	5
115	6	6	6

RECORD SWITCH POSITION NUMBER AND TEMPERATURE FOR POINTS >160 F.

TANK	LEAK DETECTION PITS WF / SpG	LEAK DET. PIT RADIATION (R/Hr)	TANK VACUUM (IN W.G.)	ANNULUS RADIATION (CPS)
101	36 / 1.02	Rej	- 3.50	~~16~~ 0/S
102	36 / 1.025	.15	- 2.80	6
103	2 / <1.0	Rej.	- 2.90	49

WATER METER READINGS-GALLONS (RECORD PER TO-040-540)

(12-8)	(8-4)	(4-12)
645462 C	645462 - C	645462 - C

REMARKS:

SUPERVISOR	(12-8) [signature]	(8-4) [signature]	(4-12) [signature]

BC-6500-044 (5-86)

9212574073 9

STATUS REPORT 241-SY TANK FARM	DATE: 1-8-92

OPERATOR	(12-8) BE Phillips	(8-4) D. Edmunds	(4-12) S. Weeks

GRAVEYARD SHIFT (12-8)

THERMOCOUPLE TEMPERATURES	IC	101-SY POSITION TEMP	102-SY POSITION TEMP	103-SY POSITION TEMP
		SS-101-1	SS-102-1	SS-103-1
	37	2	2	2
	39	4	4	4
CIRCLE TEMP >160 F AND NOTIFY SUPERVISOR	41	6	6	6
	43	8	8	8
	45	10	10	10
	47	12	N/A	12
	49	14	14	14
		SS-101-3	SS-102-3	SS-103-3
(REFERENCE TO-040-680)	92	28	28	28
	95	31	31	31
		SS-101-4	SS-102-4	SS-103-4
	104	11	11	11
	107	12	12	12
	112	5	5	5
	115	6	6	6

RECORD SWITCH POSITION NUMBER AND TEMPERATURE FOR POINTS >160 F.

TANK	LEAK DETECTION PITS WF / SpG	LEAK DET. PIT RADIATION (R/Hr)	TANK VACUUM (IN W.G.)	ANNULUS RADIATION (CPS)
101	34 ① ~~26~~ / <1.0	Rej	- 3.5	15
102	34 / 1.025	.14	- 2.8	8
103	4 / <1.0	Rej	- 2.9	47

WATER METER READINGS-GALLONS (RECORD PER. TO-040-540)

(12-8)	(8-4)	(4-12)
645462 c	645462 c	645462

REMARKS: ① Rechecked 1400

SUPERVISOR	(12-8) J. Marshall	(8-4) A Will	(4-12)

BC-6500-044 (5-86)

9212274073 9

STATUS REPORT 241-SY TANK FARM

DATE: 1-13-92

OPERATOR	(12-8) Keman	(8-4) L Hartley	(4-12) M J Armstrong

GRAVEYARD SHIFT (12-8)

THERMOCOUPLE TEMPERATURES

CIRCLE TEMP >160 F AND NOTIFY SUPERVISOR

(REFERENCE TO-040-680)

IC	101-SY POSITION TEMP		102-SY POSITION TEMP		103-SY POSITION TEMP	
	SS-101-1		SS-102-1		SS-103-1	
37	2	118	2	72	2	113
39	4	123	4	69	4	112
41	6	122	6	69	6	99
43	8	123	8	69	8	133
45	10	121	10	64	10	109
47	12	118	12	65	12	94
49	14	117	14	63	14	88
	SS-101-3		SS-102-3		SS-103-3	
92	28	101	28	72	28	O/S
95	31	102	31	71	31	O/S
	SS-101-4		SS-102-4		SS-103-4	
104	11	102	11	~~O/S~~ 70	11	O/S
107	12	103	12	71	12	O/S
112	5	94	5	74	5	O/S
115	6	95	6	62	6	O/S

RECORD SWITCH POSITION NUMBER AND TEMPERATURE FOR POINTS >160 F.

TANK	LEAK DETECTION PITS WF	/ SpG	LEAK DET. PIT RADIATION (R/Hr)	TANK VACUUM (IN W.G.)	ANNULUS RADIATION (CPS)
101	34	1.75 1.03	RES.	-3.4	15
102	36	2.25 1.02	.15	2.8	12
103	2	<0	RES.	2.85	47

WATER METER READINGS-GALLONS (RECORD PER TO-040-540)

(12-8)	(8-4)	(4-12)
645462	645462 ©	645462

REMARKS:

SUPERVISOR	(12-8)	(8-4)	(4-12)

BC-6500-044 (5-86)

9212374710

SURVEILLANCE ANALYSIS ANOMALY REPORT

DATE: 01-07-92

TO: MANAGER, TANK FARM OPERATIONS

TANK NO.	AT or EXCEED MIN/MAX LIMIT	READINGS MISSED	EQUIP. FAILURE	INSTRUMENT O / S	QUESTIONABLE READINGS	DATE ANOMALY STARTED	LENGTH OF ANOMALY	COMMENTS / DISCREPANCY DATE ISSUED
U-105		WEEKLY	FIC	FIC	CASS "0"	NOV 17, 1991	7 WEEKS	NO READING SINCE 11/17/91
S-103			FIC		CASS "0"	JAN 07, 1992		
T-112 **			FIC		CASS "0"	MAR 16, 1990	90 WEEKS	FIELD READINGS STARTED 10/28/91
T-103 **			FIC		CASS "0"	NOV 15, 1991	7 WEEKS	
AY-101 *			FIC	FIC	CASS "0"	AUG 31, 1990	69 WEEKS	J-1 ISSUED, 08/30/90
UX-302-A	EXCEEDING MAX					NOV 27, 1991	6 WEEKS	EXCEEDING 45% OF VOLUME LIMIT(50.00")
T-107			FIC		CASS "0"	JAN 07, 1992		
BX-104 **			FIC		CASS "0"	NOV 16, 1991	7 WEEKS	
BX-107		WEEKLY	FIC		CASS "0"	NOV 16, 1991	7 WEEKS	
BX-109 **			FIC		CASS "0"	NOV 16, 1991	7 WEEKS	
U-301-B		DAILY	FIC	FIC	CASS "0"	NOV 05, 1991	9 WEEKS	NO READING SINCE 11/04/91
S-302-A		DAILY	FIC	FIC	CASS "0"	DEC 04, 1991	5 WEEKS	NO READING SINCE 12/04/91
T-102			FIC		CASS "0"	JAN 03, 1992		
SY-101 *			FIC	FIC	CASS "0"	JUL 01, 1991	26 WEEKS	NO AUTO-FIC READING SINCE 08/23/91
SX-106 **			FIC		CASS "0"	SEP 30, 1991	14 WEEKS	NO READING SINCE 10/21/91
AZ-102 *			FIC	FIC	CASS "0"	FEB 15, 1990	95 WEEKS	NO AUTO-FIC READING SINCE 02/15/90
S-111		WEEKLY	FIC	FIC	CASS "0"	OCT 28, 1991	10 WEEKS	NO READING SINCE 10/28/91
T-101		WEEKLY	FIC	FIC	CASS "0"	DEC 02, 1991	5 WEEKS	NO READING SINCE 12/02/91
AZ-101 *			FIC	FIC	CASS "0"	FEB 02, 1990	103 WEEKS	TFSA&S-90-219 03/01/90
BY-109		WEEKLY	FIC	FIC	CASS "0"	AUG 01, 1991	22 WEEKS	NO READING SINCE 10/21/91
TX-107 **			FIC		CASS "0"	OCT 04, 1991	13 WEEKS	NO READING SINCE 10/04/91
TX-101		QUARTERLY	FIC	FIC	CASS "0"	DEC 22, 1991	2 WEEKS	NO READING SINCE 11/11/91
TX-302-C **			FIC		CASS "0"	AUG 07, 1991	20 WEEKS	
A-302-A **			FIC		CASS "0"	APR 16, 1991	37 WEEKS	
S-302 **			FIC		CASS "0"	JUL 02, 1990	77 WEEKS	TFSA&S-90-281 07/11 & -284 13/90
A-302-A	EXCEEDING MAX					DEC 08, 1991	4 WEEKS	EXCEEDING 45% OF VOLUME LIMIT(50.00")
SY-102 *			FIC	FIC		JAN 06, 1992		NO AUTO-FIC READING SINCE 01/05/92
U-109 **			FIC		CASS "0"	DEC 29, 1991	1 WEEK	
ER-311 **			FIC		CASS "0"	AUG 07, 1991	21 WEEKS	
SX-108				MAN. TAPE	CASS "0"	OCT 07, 1991	13 WEEKS	NO READING SINCE JULY 07, 1991
T-111			FIC		CASS "0"	JAN 06, 1992		
ANN.102 AY		DAILY		RAD.RECORDER		JUN 10, 1991	29 WEEKS	RAD. RECORDERS RECORDED AS "OFF"
LDP 102-AY		DAILY				NOV 20, 1991	7 WEEKS	RAD. RECORDER, RECORDED AS REJECTED
LDP 05-C AP					RAD. READING	DEC 20, 1991	2 WEEKS	RAD. READING RECORDED AS "0"
ANN.101-AY		DAILY		RAD.RECORDER		SEP 25, 1991	15 WEEKS	RAD. RECORDERS RECORDED AS "OFF"
LDP101/02-AZ		DAILY		RAD.RECORDER		DEC 24, 1990	53 WEEKS	RAD. RECORDER O/S
ANN. 101-SY		DAILY		RAD.RECORDER		DEC 05, 1991	5 WEEKS	RAD. READING RECORDED AS REJECTED
LDP 101-AZ		DAILY		RAD.RECORDER		DEC 10, 1990	55 WEEKS	TFSA&S-91-347 01/02/91. O/S
LDP 101-SY	EXCEEDING MAX					MAR 04, 1991	43 WEEKS	WtF. READING EXCEEDED MAX.LIMIT OF 24"
LDP 104-AX	EXCEEDING MIN					JUN 21, 1991	27 WEEKS	WtF. READING EXCEEDED MIN.LIMIT OF 12"
ANNULUS AZ		DAILY		RAD.RECORDER		JUN 23, 1991	27 WEEKS	AZ-FARM RAD.RECORDER "OFF"
LDP 102-AZ		DAILY		RAD.RECORDER		DEC 25, 1990	53 WEEKS	RAD. RECORDER O/S
ANN. 101-AP					RAD. READING	SEP 21, 1991	15 WEEKS	RAD. READING <10 C/M, PREV. 30 C/M
LDP 104-AX					RAD. READING	AUG 19, 1991	20 WEEKS	RAD. READING EXCEEDED CRITERIA
AP-FARM		WEEKLY		TEMPERATURE		SEP 16, 1991	16 WEEKS	NO TEMP.READINGS FOR TKS.101 - 104-AP
LDP 102-SY	EXCEEDING MAX					SEP 18, 1991	16 WEEKS	WtF. READING EXCEEDED MAX.LIMIT OF 24"
LDP 101-SY		DAILY		RAD.RECORDER		OCT 23, 1991	11 WEEKS	RAD. READING RECORDED AS REJECTED
LDP 103-SY		DAILY		RAD.RECORDER		OCT 23, 1991	11 WEEKS	RAD. READING RECORDED AS REJECTED
AP-FARM		WEEKLY		TEMPERATURE		NOV 04, 1991	9 WEEKS	NO TEMP.READINGS FOR TKS.105 - 108-AP
VENT STA.	EXCEEDING MAX					NOV 22, 1991	6 WEEKS	EXCEEDING TEMPORARY MAX. LIMIT OF 64"

COMMENTS: * TAKING MANUAL TAPE READING
** TAKING MANUAL FIC FIELD READING

Shaded area indicates a new item

TANK FARM SURVEILLANCE ANALYSIS
RAMON R. RIOS PHONE: 3-1945

cc:GT Frater

Tank Farm Surveillance Analysis and Support

DISCREPANCY REPORT

To: L. E. EYRE MANAGER, WEST TFO MSIN: T4-01

Date of Discrepancy: October 10, 1991 Report No.: TFSA-91-408

Description of Discrepancy

The following Leak Detection Pit (LDP) is exceeding the maximum limit of 24.00 inches since Sept. 18, 1991. Current reading is 28.00 inches.

102-SY (LDP) 09/18/91

INSTRUCTIONS:

- Response requested by 10/24/91
- Provide a diagnosis and corrective action for each item above, specifying:
  - (A) Immediate actions taken to correct the discrepancy or failure, and maintain readings within WHC-SD-WM-TI-357 limits.
  - (B) Actions that will be taken to prevent recurrence.
  - (C) Planned completion date for corrective actions.

Prepared by: R. R. RIOS RRR Approved by: [signature] Manager, TFSA Date: 10-11-91

CORRECTIVE ACTION STATEMENT

Diagnosis and Corrective Action

The following leak detection pit has not been pumped due to switch gear failure of the pump used to remove liquid. A work order has been issued to complete pump repairs. We have requested a process memo be issued by a Cognizant Engineer for the proper disposal of liquid. Leak detection pit will be pumped per procedure TO-020-595, when the pump repairs are completed and the process memo is received. Estimated completion date 11/15/91.

Process memo also authorized the pumping of 101-SY (LDP). [signature]

Corrective Action Statement Prepared by James E Perham Manager 10-31-91 Date
Name and Title

Discrepancy Report Closed by _____ Date
TFSA Engineer

Distribution:						
	JJ Badden	S5-15	DG Hamrick	R1-62	WL Parnell	S5-12
	GT Frater	R1-51	JP Harris III	R1-51	RR Rios	R1-80
	SD Godfrey	R1-51	RW Jacobson	S5-01		File

9 2 1 2 5 7 4 0 7 4 2

BD-6000-416 (3/90) {EF} WEF097
Tank Farm Surveillance Analysis and Support Discrepancy Report

Tank Farm Surveillance Analysis and Support

DISCREPANCY REPORT

To: P. HINOJOSA MANAGER, WEST FACILITIES MSIN: S5-12

Date of Discrepancy: December 24, 1991 Report No.: TFSA-91-430

Description of Discrepancy

Tank 241-SY-101, ANNULUS RAD. RECORDER

The annulus radiation reading for Tank 241-SY-101 has being recorded as Rejected or out of service, since December 5, 1991. This is a daily requirement, per procedure TO-040-590 and SD-WM-TI-357. Not OSD or OSR related.

INSTRUCTIONS:

- Response requested by January 13, 199~~1~~2
- Provide a diagnosis and corrective action for each item above, specifying:
  - (A) Immediate actions taken to correct the discrepancy or failure, and maintain readings within WHC-SD-WM-TI-357 limits.
  - (B) Actions that will be taken to prevent recurrence.
  - (C) Planned completion date for corrective actions.

Prepared by: R. R. RIOS RRR Approved by: SD Godfrey Manager, TFSA Date: 12/26/91

CORRECTIVE ACTION STATEMENT

Diagnosis and Corrective Action

Corrective Action Statement Prepared by _____ Date
Name and Title

Discrepancy Report Closed by _____ Date
TFSA Engineer

Distribution:						
	JJ Badden	S5-15	DG Hamrick	R1-62	WL Parnell	S5-12
	GT Frater	R1-51	JP Harris III	R1-51	RR Rios	R1-80
	SD Godfrey	R1-51	RW Jacobson	S5-01		File

9212577413

Tank Farm Surveillance Analysis and Support

DISCREPANCY REPORT

To: L. E. EYRE MANAGER, WEST TFO MSIN: T4-01

Date of Discrepancy: November 01, 1991 Report No.: TFSA-91-414

Description of Discrepancy

The following Leak Detection Pit (LDP) radiation data sheet readings have been recorded with the term "rejected". No radiation reading has been recorded since 10/23/91.

101-SY (LDP) 10/23/91 This is a daily requirement.

INSTRUCTIONS:

- Response requested by November 18, 1991
- Provide a diagnosis and corrective action for each item above, specifying:
  - (A) Immediate actions taken to correct the discrepancy or failure, and maintain readings within WHC-SD-WM-TI-357 limits.
  - (B) Actions that will be taken to prevent recurrence.
  - (C) Planned completion date for corrective actions.

Prepared by: R. R. RIOS Approved by: Manager, TFSA Date: 11-6-91

CORRECTIVE ACTION STATEMENT

Diagnosis and Corrective Action

Corrective Action Statement Prepared by _____ Date
Name and Title

Discrepancy Report Closed by _____ Date
TFSA Engineer

Distribution:						
	JJ Badden	S5-15	DG Hamrick	R1-62	WL Parnell	S5-12
	GTFrater	R1-51	JP Harris III	R1-51	RR Rios	R1-80
	SD Godfrey	R1-51	RW Jacobson	S5-01		File

9212374074

BD-6000-416 (3/90) (EF) WEF097
Tank Farm Surveillance Analysis and Support Discrepancy Report

9 2 1 2 7 1 0 7

DAILY ALARM SUMMARY REPORT SUBSTATION 0 1/ 6/92 7: 9:31

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE

NO ACTIVE ALARMS TO REPORT DURING THIS TIME PERIOD

DAILY ALARM SUMMARY REPORT SUBSTATION A 1/ 6/92 7: 9:31

ALARM		STATUS	DATE	TIME
1450	AW FARM SN ENCASEMENT LINE-LEAK	RST	1/ 5/92	1836
1450	AW FARM SN ENCASEMENT LINE-LEAK	ACT	1/ 5/92	1447
1450	AW FARM SN ENCASEMENT LINE-LEAK	RST	1/ 5/92	920
1450	AW FARM SN ENCASEMENT LINE-LEAK	ACT	1/ 5/92	838
1507	AN FARM PROCESS PITS COMMON ALARM-LEAK	RST	1/ 5/92	2104
1507	AN FARM PROCESS PITS COMMON ALARM-LEAK	ACT	1/ 5/92	1659
1523	242A BUILDING EXHAUST ALPHA MONITOR-FAILURE	RST	1/ 5/92	907
1523	242A BUILDING EXHAUST ALPHA MONITOR-FAILURE	ACT	1/ 5/92	904
2225	TK 106-AP LIQUID LEVEL HIGH	RST	1/ 5/92	1857
2225	TK 106-AP LIQUID LEVEL HIGH	ACT	1/ 5/92	1201
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 6/92	144
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 6/92	115
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 6/92	54
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 6/92	54
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 5/92	751

ALARMS STILL ACTIVE

1045 A FARM RAW WATER PRESSURE LOW
1067 A08 STEAM CONDENSATE MONITOR-
LOW SAMPLE FLOW
1103 "A" COMPLEX STORAGE TANKS VACUUM-HIGH
1106 702A-LOSS OF SEAL
1145 TK 101-AY ANNULUS VENT SYSTEM-FAILURE
1167 TK 102-AY ANNULUS VENT SYSTEM-FAILURE
1246 TK 101-AZ ANNULUS EXHAUST-FAILURE
1262 TK 101-AZ-LIQUID LEVEL HIGH
1344 242A TANKS AND SUMPS-WT. FACTOR HIGH
1347 242A PROCESS AIR-LOW
1407 244A EXHAUST FAN OR SAMPLE PUMP-FAILURE
1425 244A FILTER DP-LOW
1467 AW FARM HEAT TRACE-HIGH TEMP
1725 242A PROCESS STREAM-RADIATION HIGH
CONDENSATE SAMPLER-FLOW LOW
RA-RC1-1,2,3:CA1-1:EA1-1
FA-RC-1,2,3:CA1-1:EA1-1

1606 244AR STACK MONITOR HIGH RADIATION-FAILURE
1610 244AR GAMMA MONITOR FLOW-LOW
1627 244AR FILTERS DIFF. PRESSURE-HIGH OR LOW
1630 244AR VENT HEATER EDDA OUTLET TEMP-HIGH OR LOW
1645 244AR VESSEL VENT-LOSS OF VACUUM
1646 244AR ALARM PANEL POWER-OFF
1663 244AR VESSEL VENT PRESSURE-LOW
1667 244AR VESSEL VENT FAN MOTOR-OFF
1706 244AR K-2 PREHEAT TEMPERATURE-LOW
1707 244AR K-1 PREHEAT TEMPERATURE-LOW
1764 204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702
LEAK OR A COMPLEX MASTER PUMP SHUTDOWN
2263 TK 108-AP PRESSURE HIGH (LOSS OF VACUUM)
2703 TGE LOSS OF 480V PRIMARY POWER
2707 TGE MIXER MODULE HIGH-LOW PRESSURE

DAILY ALARM SUMMARY REPORT SUBSTATION B 1/ 6/92 7: 9:31

ALARM		STATUS	DATE	TIME
1122	244-BX VAULT ANNULUS-RADIATION HIGH	RST	1/ 5/92	1952
1122	244-BX VAULT ANNULUS-RADIATION HIGH	ACT	1/ 5/92	1911

ALARMS STILL ACTIVE
1047 TK-241-ER-311 LEAK DETECTION-PUMP PIT LEAK
1050 241-ER-311 COMPRESSOR AIR PRESSURE-LOW
1061 242-ER-311 ALARM PANEL POWER-OFF
1106 244-BX VAULT EXHAUST FAN SHUTDOWN

DAILY ALARM SUMMARY REPORT SUBSTATION C 1/ 6/92 7: 9:31

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE
1022 CASS EQUIPMENT ALARM-
EAST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1105 C TANK FARM-EXHAUSTER TROUBLE
1210 TK 101-AN-LIQUID LEVEL HIGH
1325 AN TANK FARM EXHAUST FAN K2-5-2-FAILURE
1346 TK 101-AN LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE

DAILY ALARM SUMMARY REPORT SUBSTATION S 1/ 6/92 71 9:31

ALARM		STATUS	DATE	TIME
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	ACT	1/ 5/92	2114
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	RST	1/ 5/92	2109
1410	TK 101-SY ANNULUS-LEAK	ACT	1/ 6/92	123
1421	TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH	ACT	1/ 5/92	2114
1421	TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH	RST	1/ 5/92	2109

ALARMS STILL ACTIVE

1226 TK 101-SY ANNULUS SAMPLE PUMP-FAILURE
1264 244-S ENCASEMENT LINE V522-LEAK
1270 244-S HEATER K1-4-2-OVER TEMPERATURE
1303 244-S PUMP PIT DRAIN-HIGH LEVEL
1310 242S VESSEL VENT EXHAUST ALPHA MONITOR-
RADIATION HIGH
1322 242S CHANGE ROOM-RADIATION HIGH
1323 242S CONTROL ROOM-RADIATION HIGH
1327 S FARM RAW WATER AND STEAM LINE-RADIATION HIGH
OR DETECTOR FAILURE
1343 U FARM SERVICE PIT-RADIATION HIGH
1404 TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1410 TK 101-SY ANNULUS-LEAK
1421 TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1446 SY FARM ANNULUS EXHAUSTER-FLOW LOW
1450 SY FARM EXHAUSTER-TROUBLE
1543 CASS EQUIPMENT ALARM-
NO TRANSMISSION VENT SUBSTATION TO S-SUBSTATION
--- VENT STATION ALARMS NOT WORKING ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1544 CASS EQUPMENT ALARM-
TRANSMISSION/RECEIVER ERROR, VENT SUBSTATION
--- VENT STATION ALARMS NOT WORKING ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1545 VENT SUBSTATION - LOW TEMPERATURE
1546 VENT SUBSTATION - HIGH TEMPERATURE
1547 VENT STATION JUMPER PIT - LEAK DETECTION OR
INSTRUMENT FAILURE
1550 VENT STATION CATCH TANK FLOOR - LEAK DETECTOR OR
INSTRUMENT FAILURE
1561 VENT STATION AREA RADIATION MONITOR
HIGH RADIATION OR INSTRUMENT FAILURE

9 2 1 2 3 7 4 0 7 4 3

DAILY ALARM SUMMARY REPORT SUBSTATION 7 1/ 6/92 7:29:31

ALARM	STATUS	DATE	TIME
1045 244-TX EXHAUST FAN-SHUTDOWN	RST	1/ 6/92	343
1045 244-TX EXHAUST FAN-SHUTDOWN	ACT	1/ 6/92	335

ALARMS STILL ACTIVE

NO ACTIVE ALARMS TO REPORT DURING THIS TIME PERIOD

DAILY ALARM SUMMARY REPORT SUBSTATION 10 1/ 6/92 7:29:31

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE

1022 CASS EQUIPMENT ALARM
WEST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **

END OF REPORT

CASS MENU SELECTION (0=DISPLAY MENU, 99=QUIT)

DAILY ALARM SUMMARY REPORT SUBSTATION 0 1/ 7/92 7: 8:12

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE

NO ACTIVE ALARMS TO REPORT DURING THIS TIME PERIOD

DAILY ALARM SUMMARY REPORT SUBSTATION A 1/ 7/92 7: 8:12

ALARM	STATUS	DATE	TIME
1305 244AR-COMBINED ALARM	RST	1/ 6/92	1018
1305 244AR-COMBINED ALARM	ACT	1/ 6/92	1017
1410 241-A-350 PW 481 PROCESS WASTE LINE-LEAK	RST	1/ 6/92	1013
1410 241-A-350 PW 481 PROCESS WASTE LINE-LEAK	ACT	1/ 6/92	1011
1446 AW FARM-ALARM	RST	1/ 6/92	833
1446 AW FARM-ALARM	ACT	1/ 6/92	832
1446 AW FARM-ALARM	RST	1/ 6/92	831
1446 AW FARM-ALARM	ACT	1/ 6/92	831
1562 244A SERVICE PIT-RADIATION HIGH	RST	1/ 7/92	431
1562 244A SERVICE PIT-RADIATION HIGH	ACT	1/ 7/92	431
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	1645
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	1645
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	937
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	936
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	934
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	933
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	933
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	933
1747 204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	931

9 2 1 2 5 3 4 0 7

1747	204AR RR CAR UNLOAD ROOM AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	931
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	947
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	946
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	945
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	943
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	RST	1/ 6/92	942
1750	204AR SAMPLE SINK AREA- HIGH RADIATION OR DETECTOR FAILURE	ACT	1/ 6/92	942
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/ 6/92	1017
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	ACT	1/ 6/92	1017
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/ 6/92	1017
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	ACT	1/ 6/92	1016
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/ 6/92	1016
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	ACT	1/ 6/92	1016
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/ 6/92	1016
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	ACT	1/ 6/92	1016
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/ 6/92	1015
1765	204AR EXHAUST FAN EF-1-FAILURE	RST	1/ 6/92	1332
1765	204AR EXHAUST FAN EF-1-FAILURE	ACT	1/ 6/92	1332
1766	204AR OUTER DOOR-OPERATING ALARM	RST	1/ 6/92	1021
1766	204AR OUTER DOOR-OPERATING ALARM	ACT	1/ 6/92	1019
2110	TK 106-AW LEAK DETECTION PIT- RADIATION HIGH OR DETECTOR FAILURE	ACT	1/ 6/92	831
2161	TK 105-AW LEAK DETECTION PIT- RADIATION HIGH OR DETECTOR FAILURE	ACT	1/ 6/92	833
2443	AP FARM - PUMP PIT 02D LEAK DETECTED	RST	1/ 6/92	904
2443	AP FARM - PUMP PIT 02D LEAK DETECTED	ACT	1/ 6/92	903
2444	TGE LINE SN-621 LEAK DETECTED	RST	1/ 6/92	907
2444	TGE LINE SN-621 LEAK DETECTED	ACT	1/ 6/92	905
2545	AP FARM SERVICE PIT-LEAK DETECTED	ACT	1/ 6/92	1219
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 7/92	640
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 7/92	617
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 7/92	434
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 6/92	1815
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 6/92	1711
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 6/92	1422
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 6/92	1421
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/ 6/92	1354
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/ 6/92	1354

ALARMS STILL ACTIVE
1045 A FARM RAW WATER PRESSURE LOW
1067 A08 STEAM CONDENSATE MONITOR-
LOW SAMPLE FLOW
1103 'A' COMPLEX STORAGE TANKS VACUUM-HIGH
1106 702A-LOSS OF SEAL
1145 TK 101-AY ANNULUS VENT SYSTEM-FAILURE
1167 TK 102-AY ANNULUS VENT SYSTEM-FAILURE
1246 TK 101-AZ ANNULUS EXHAUST-FAILURE
1262 TK 101-AZ-LIQUID LEVEL HIGH
1344 242A TANKS AND SUMPS-WT. FACTOR HIGH
1347 242A PROCESS AIR-LOW
1407 244A EXHAUST FAN OR SAMPLE PUMP-FAILURE
1425 244A FILTER DP-LOW
1467 AW FARM HEAT TRACE-HIGH TEMP
1525 242A PROCESS STREAM-RADIATION HIGH
CONDENSATE SAMPLER-FLOW LOW
RA-RC1-1,2,3:CA1-1:EA1-1
FA-RC-1,2,3:CA1-1:EA1-1
1563 244-A LIFT STATION TANK - WEIGHT FACTOR LOW
1606 244AR STACK MONITOR HIGH RADIATION-FAILURE
1610 244AR GAMMA MONITOR FLOW-LOW
1627 244AR FILTERS DIFF. PRESSURE-HIGH OR LOW
1630 244AR VENT HEATER E006 OUTLET TEMP-HIGH OR LOW
1645 244AR VESSEL VENT-LOSS OF VACUUM
1646 244AR ALARM PANEL POWER-OFF
1663 244AR VESSEL VENT PRESSURE-LOW
1667 244AR VESSEL VENT FAN MOTOR-OFF
1706 244AR K-2 PREHEAT TEMPERATURE-LOW
1707 244AR K-1 PREHEAT TEMPERATURE-LOW
2110 TK 106-AW LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE
2161 TK 105-AW LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE
2263 TK 108-AP PRESSURE HIGH (LOSS OF VACUUM)
2545 AP FARM SERVICE PIT-LEAK DETECTED
2703 TGE LOSS OF 480V PRIMARY POWER
2707 TGE MIXER MODULE HIGH-LOW PRESSURE
2721 TGE COMPOSITE ALARM ACTIVATION

DAILY ALARM SUMMARY REPORT SUBSTATION B 1/ 7/92 7: 8:12

ALARM	STATUS	DATE	TIME
1122 244-BX VAULT ANNULUS-RADIATION HIGH	RST	1/ 6/92	2209
1122 244-BX VAULT ANNULUS-RADIATION HIGH	ACT	1/ 6/92	2208
1122 244-BX VAULT ANNULUS-RADIATION HIGH	RST	1/ 6/92	2134
1122 244-BX VAULT ANNULUS-RADIATION HIGH	ACT	1/ 6/92	1308

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ALARMS STILL ACTIVE
1047 TK-241-ER-311 LEAK DETECTION-PUMP PIT LEAK
1050 241-ER-311 COMPRESSOR AIR PRESSURE-LOW
1061 242-ER-311 ALARM PANEL POWER-OFF
1106 244-BX VAULT EXHAUST FAN SHUTDOWN

DAILY ALARM SUMMARY REPORT SUBSTATION C 1/ 7/92 7: 8:12

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE
1022 CASS EQUIPMENT ALARM-
EAST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1105 L TANK FARM-EXHAUSTER TROUBLE
1210 TK 101-AN-LIQUID LEVEL HIGH
1325 AN TANK FARM EXHAUST FAN K2-5-2-FAILURE
1346 TK 101-AN LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE

DAILY ALARM SUMMARY REPORT SUBSTATION S 1/ 7/92 7: 8:12

ALARM		STATUS	DATE	TIME
1226	TK 101-SY ANNULUS SAMPLE PUMP-FAILURE	RST	1/ 6/92	1916
1227	TK 102-SY ANNULUS SAMPLE PUMP-FAILURE	RST	1/ 6/92	1919
1227	TK 102-SY ANNULUS SAMPLE PUMP-FAILURE	ACT	1/ 6/92	1813
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	ACT	1/ 7/92	325
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	RST	1/ 7/92	318
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	ACT	1/ 7/92	317
1404	TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH	RST	1/ 7/92	315
1410	TK 101-SY ANNULUS-LEAK	RST	1/ 6/92	1724
1421	TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH	ACT	1/ 7/92	317
1421	TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH	RST	1/ 7/92	315
1462	TK 101-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	949
1462	TK 101-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	945
1462	TK 101-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	943
1462	TK 101-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	942
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	2245
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	2034
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1951
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1935
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1932
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1926

1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1925
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1921
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1920
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1915
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1915
1465	TK 102-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1904
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1951
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1945
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1932
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1928
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1928
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1923
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	RST	1/ 6/92	1313
1503	TK 103-SY ANNULUS EXHAUST-RADIATION HIGH	ACT	1/ 6/92	1313

ALARMS STILL ACTIVE

1264 244-S ENCASEMENT LINE V522-LEAK
1270 244-S HEATER K1-4-2-OVER TEMPERATURE
1303 244-S PUMP PIT DRAIN-HIGH LEVEL
1310 242S VESSEL VENT EXHAUST ALPHA MONITOR-
RADIATION HIGH
1322 242S CHANGE ROOM-RADIATION HIGH
1323 242S CONTROL ROOM-RADIATION HIGH
1327 S FARM RAW WATER AND STEAM LINE-RADIATION HIGH
OR DETECTOR FAILURE
1343 U FARM SERVICE PIT-RADIATION HIGH
1404 TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1421 TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1446 SY FARM ANNULUS EXHAUSTER-FLOW LOW
1450 SY FARM EXHAUSTER-TROUBLE
1543 CASS EQUIPMENT ALARM-
NO TRANSMISSION VENT SUBSTATION TO S-SUBSTATION
--- VENT STATION ALARMS NOT WORKING ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1544 CASS EQUPMENT ALARM-
TRANSMISSION/RECEIVER ERROR, VENT SUBSTATION
--- VENT STATION ALARMS NOT WORKING ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1545 VENT SUBSTATION - LOW TEMPERATURE
1546 VENT SUBSTATION - HIGH TEMPERATURE
1547 VENT STATION JUMPER PIT - LEAK DETECTION OR
INSTRUMENT FAILURE
1550 VENT STATION CATCH TANK FLOOR - LEAK DETECTOR OR
INSTRUMENT FAILURE
1561 VENT STATION AREA RADIATION MONITOR -
HIGH RADIATION OR INSTRUMENT FAILURE

HIGH RADIATION OR DETECTOR FAILURE

1747 204AR RR CAR UNLOAD ROOM AREA- ACT 1/ 6/92 931
HIGH RADIATION OR OPERATOR FAILURE

DAILY ALARM SUMMARY REPORT SUBSTATION T 1/ 7/92 7: 8:12

ALARM	STATUS	DATE	TIME
1063 244-TX RECEIVER TANK NEUTRON MONITOR- RADIATION HIGH	RST	1/ 7/92	548
1063 244-TX RECEIVER TANK NEUTRON MONITOR- RADIATION HIGH	ACT	1/ 7/92	547

ALARMS STILL ACTIVE

NO ACTIVE ALARMS TO REPORT DURING THIS TIME PERIOD

DAILY ALARM SUMMARY REPORT SUBSTATION U 1/ 7/92 7: 8:12

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE
1022 CASS EQUIPMENT ALARM-
WEST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **

END OF REPORT
CASS MENU SELECTION (0=DISPLAY MENU, 99=QUIT)

10
9 2 1 2 5 7 4 0 7 5 5

DAILY ALARM SUMMARY REPORT SUBSTATION 0 1/22/92 7:15: 8

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE

NO ACTIVE ALARMS TO REPORT DURING THIS TIME PERIOD

DAILY ALARM SUMMARY REPORT SUBSTATION A 1/22/92 7:15: 8

ALARM		STATUS	DATE	TIME
1446	AW FARM-ALARM	RST	1/22/92	53
1446	AW FARM-ALARM	ACT	1/22/92	52
1446	AW FARM-ALARM	RST	1/21/92	908
1446	AW FARM-ALARM	ACT	1/21/92	904
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/21/92	1348
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	ACT	1/21/92	1348
1764	204AR VP-241-A-A/ENCASEMENT LINE-3" LIQW-702 LEAK OR A COMPLEX MASTER PUMP SHUTDOWN	RST	1/21/92	1347
1766	204AR OUTER DOOR-OPERATING ALARM	RST	1/21/92	1806
1766	204AR OUTER DOOR-OPERATING ALARM	ACT	1/21/92	1728
1766	204AR OUTER DOOR-OPERATING ALARM	RST	1/21/92	1641
1766	204AR OUTER DOOR-OPERATING ALARM	ACT	1/21/92	1628
1766	204AR OUTER DOOR-OPERATING ALARM	RST	1/21/92	1010
1766	204AR OUTER DOOR-OPERATING ALARM	ACT	1/21/92	1008
2443	AP FARM - PUMP PIT 02D LEAK DETECTED	RST	1/21/92	1348
2443	AP FARM - PUMP PIT 02D LEAK DETECTED	ACT	1/21/92	1348
2443	AP FARM - PUMP PIT 02D LEAK DETECTED	RST	1/21/92	1347
2444	TGE LINE SN-621 LEAK DETECTED	RST	1/21/92	1349
2444	TGE LINE SN-621 LEAK DETECTED	ACT	1/21/92	1349
2444	TGE LINE SN-621 LEAK DETECTED	RST	1/21/92	1347
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/21/92	1646
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/21/92	1638
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/21/92	1431
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/21/92	1358
2721	TGE COMPOSITE ALARM ACTIVATION	RST	1/21/92	1129
2721	TGE COMPOSITE ALARM ACTIVATION	ACT	1/21/92	1118
[illegible]	[illegible] FAR[illegible] [illegible] [illegible] [illegible] [illegible]TOR FAILURE	RST	1/21/92	1347
2727	TRANSPORTABLE GROUT EQUIPMENT	RST	1/21/92	1347

11423

LINE SN-621 LEAK DETECTOR FAILURE

9 2 1 2 3 7 4 0 7 5 6

ALARMS STILL ACTIVE

1045 A FARM RAW WATER PRESSURE LOW
1067 AOB STEAM CONDENSATE MONITOR-
LOW SAMPLE FLOW
1103 'A' COMPLEX STORAGE TANKS VACUUM-HIGH
1106 702A-LOSS OF SEAL
1145 TK 101-AY ANNULUS VENT SYSTEM-FAILURE
1167 TK 102-AY ANNULUS VENT SYSTEM-FAILURE
1246 TK 101-AZ ANNULUS EXHAUST-FAILURE
1262 TK 101-AZ-LIQUID LEVEL HIGH
1344 242A TANKS AND SUMPS-WT. FACTOR HIGH
1347 242A PROCESS AIR-LOW
1407 244A EXHAUST FAN OR SAMPLE PUMP-FAILURE
1425 244A FILTER DP-LOW
1467 AW FARM HEAT TRACE-HIGH TEMP
1521 242A VESSEL VENT SYSTEM-ALPHA RADIATION HIGH
1525 242A PROCESS STREAM-RADIATION HIGH
CONDENSATE SAMPLER-FLOW LOW
RA-RC1-1,2,3:CA1-1:EA1-1
FA-RC-1,2,3:CA1-1:EA1-1
1544 242A VESSEL VENT EXHAUST STACK-RADIATION HIGH
1563 244-A LIFT STATION TANK - WEIGHT FACTOR LOW
1606 244AR STACK MONITOR HIGH RADIATION-FAILURE
1610 244AR GAMMA MONITOR FLOW-LOW
1627 244AR FILTERS DIFF. PRESSURE-HIGH OR LOW
1630 244AR VENT HEATER E006 OUTLET TEMP-HIGH OR LOW
1645 244AR VESSEL VENT-LOSS OF VACUUM
1646 244AR ALARM PANEL POWER-OFF
1663 244AR VESSEL VENT PRESSURE-LOW
1667 244AR VESSEL VENT FAN MOTOR-OFF
1706 244AR K-2 PREHEAT TEMPERATURE-LOW
1707 244AR K-1 PREHEAT TEMPERATURE-LOW
2107 AW FARM TK EXHAUST FAN K2-5-2-FAILURE
(DIFF PRESSURE LOW)
2122 TK 101-AW LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE
2126 TK 102-AW LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE
2225 TK 106-AP LIQUID LEVEL HIGH
2263 TK 108-AP PRESSURE HIGH (LOSS OF VACUUM)
2447 TK 105-AP LEAK DETECTION PIT-
HIGH RADIATION DETECTED
2504 TK 105-AP LEAK DETECTION PIT-
RADIATION MONITOR FAILURE
2545 AP FARM SERVICE PIT-LEAK DETECTED
2703 TGE LOSS OF 480V PRIMARY POWER
2707 TGE MIXER MODULE HIGH-LOW PRESSURE

DAILY ALARM SUMMARY REPORT SUBSTATION B 1/22/92 7:15: 8

ALARM		STATUS	DATE	TIME
1106	244-BX VAULT EXHAUST FAN SHUTDOWN	ACT	1/21/92	1738
1106	244-BX VAULT EXHAUST FAN SHUTDOWN	RST	1/21/92	1732
1106	244-BX VAULT EXHAUST FAN SHUTDOWN	ACT	1/21/92	1732
1106	244-BX VAULT EXHAUST FAN SHUTDOWN	RST	1/21/92	1731

ALARMS STILL ACTIVE
1047 TK-241-ER-311 LEAK DETECTION-PUMP PIT LEAK
1050 241-ER-311 COMPRESSOR AIR PRESSURE-LOW
1061 242-ER-311 ALARM PANEL POWER-OFF
1106 244-BX VAULT EXHAUST FAN SHUTDOWN

DAILY ALARM SUMMARY REPORT SUBSTATION C 1/22/92 7:15: 8

ALARM		STATUS	DATE	TIME
1206	TK 101-AN-PRESSURE LOW	RST	1/21/92	1408
1206	TK 101-AN-PRESSURE LOW	ACT	1/21/92	1314
1207	TK 101-AN ANNULUS-LEAK	RST	1/21/92	1311
1207	TK 101-AN ANNULUS-LEAK	ACT	1/21/92	1310
1224	TK 102-AN-PRESSURE LOW	RST	1/21/92	1406
1224	TK 102-AN-PRESSURE LOW	ACT	1/21/92	1314
1244	TK 103-AN-PRESSURE LOW	RST	1/21/92	1406
1244	TK 103-AN-PRESSURE LOW	ACT	1/21/92	1314
1262	TK 104-AN-PRESSURE LOW	RST	1/21/92	1406
1262	TK 104-AN-PRESSURE LOW	ACT	1/21/92	1314
1270	TK 105-AN-PRESSURE LOW	RST	1/21/92	1406
1270	TK 105-AN-PRESSURE LOW	ACT	1/21/92	1314
1310	TK 106-AN-PRESSURE LOW	RST	1/21/92	1406
1310	TK 106-AN-PRESSURE LOW	ACT	1/21/92	1314
1343	TK 107-AN-PRESSURE LOW	RST	1/21/92	1406
1343	TK 107-AN-PRESSURE LOW	ACT	1/21/92	1314

ALARMS STILL ACTIVE
1022 CASS EQUIPMENT ALARM-
EAST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **
1105 C TANK FARM-EXHAUSTER TROUBLE
1210 TK 101-AN-LIQUID LEVEL HIGH
1325 AN TANK FARM EXHAUST FAN K2-5-2-FAILURE
1346 TK 101-AN LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE
1362 TK 102-AN LEAK DETECTION PIT-
RADIATION HIGH OR DETECTOR FAILURE

9 2 1 2 5 7 4 0 7 5 8

DAILY ALARM SUMMARY REPORT SUBSTATION 8 1/22/92 7:15: 8

ALARM		STATUS	DATE	TIME
1050	SX EXHAUST STACK-RADIATION HIGH	RST	1/21/92	940
1050	SX EXHAUST STACK-RADIATION HIGH	ACT	1/21/92	940
1062	SX FARM EXHAUST FANS SHUT DOWN	RST	1/21/92	941
1062	SX FARM EXHAUST FANS SHUT DOWN	ACT	1/21/92	940
1264	244-S ENCASEMENT LINE V522-LEAK	ACT	1/21/92	944
1264	244-S ENCASEMENT LINE V522-LEAK	RST	1/21/92	944
1264	244-S ENCASEMENT LINE V522-LEAK	ACT	1/21/92	944
1264	244-S ENCASEMENT LINE V522-LEAK	RST	1/21/92	944
1264	244-S ENCASEMENT LINE V522-LEAK	ACT	1/21/92	943
1264	244-S ENCASEMENT LINE V522-LEAK	RST	1/21/92	943
1264	244-S ENCASEMENT LINE V522-LEAK	ACT	1/21/92	943
1264	244-S ENCASEMENT LINE V522-LEAK	RST	1/21/92	943
1265	244-S ENCASEMENT LINE V560-LEAK	RST	1/21/92	953
1265	244-S ENCASEMENT LINE V560-LEAK	ACT	1/21/92	953
1265	244-S ENCASEMENT LINE V560-LEAK	RST	1/21/92	951
1265	244-S ENCASEMENT LINE V560-LEAK	ACT	1/21/92	951
1265	244-S ENCASEMENT LINE V560-LEAK	RST	1/21/92	950
1265	244-S ENCASEMENT LINE V560-LEAK	ACT	1/21/92	950
1344	SY FARM SERVICE PIT-RADIATION HIGH	ACT	1/21/92	1547
1344	SY FARM SERVICE PIT-RADIATION HIGH	RST	1/21/92	1407
1426	SY-B VALVE PIT LIMIT SWITCH OR FLUSH PIT PRESSURE SWITCH-ACTIVATED	ACT	1/21/92	1547
1426	SY-B VALVE PIT LIMIT SWITCH OR FLUSH PIT PRESSURE SWITCH-ACTIVATED	RST	1/21/92	1407
1450	SY FARM EXHAUSTER-TROUBLE	ACT	1/21/92	1852
1450	SY FARM EXHAUSTER-TROUBLE	RST	1/21/92	1851
1450	SY FARM EXHAUSTER-TROUBLE	ACT	1/21/92	1849
1450	SY FARM EXHAUSTER-TROUBLE	RST	1/21/92	1849
1450	SY FARM EXHAUSTER-TROUBLE	ACT	1/21/92	1418
1450	SY FARM EXHAUSTER-TROUBLE	RST	1/21/92	1418
1467	SY FARM VESSEL EXHAUST-RADIATION HIGH (FANS SHUTDOWN)	RST	1/21/92	1852
1467	SY FARM VESSEL EXHAUST-RADIATION HIGH (FANS SHUTDOWN)	ACT	1/21/92	1851
1467	SY FARM VESSEL EXHAUST-RADIATION HIGH (FANS SHUTDOWN)	RST	1/21/92	1849
1467	SY FARM VESSEL EXHAUST-RADIATION HIGH (FANS SHUTDOWN)	ACT	1/21/92	1849

ALARMS STILL ACTIVE

1044 240-S-151 OR TK-240-S-302 LEAK DETECTION-PUMP PIT OR DIVERSION BOX LEAK
1045 240-S-302 COMPRESSOR AIR PRESSURE-LOW
1046 240-S-302 ALARM PANEL POWER-OFF

1264 244-S ENCASEMENT LINE V522-LEAK
1267 244-S HEPA FILTERS PRESSURE DROP-LOW
1270 244-S HEATER K1-4-2-OVER TEMPERATURE
1303 244-S PUMP PIT DRAIN-HIGH LEVEL
1310 242S VESSEL VENT EXHAUST ALPHA MONITOR-
RADIATION HIGH
1322 242S CHANGE ROOM-RADIATION HIGH
1323 242S CONTROL ROOM-RADIATION HIGH
1327 S FARM RAW WATER AND STEAM LINE-RADIATION HIGH
OR DETECTOR FAILURE
1343 U FARM SERVICE PIT-RADIATION HIGH
1344 SY FARM SERVICE PIT-RADIATION HIGH
1350 244-S EXHAUST STACK BETA/GAMMA-RADIATION HIGH
1361 244-S EXHAUST STACK ALPHA-RADIATION HIGH
1362 244-S EXHAUST STACK BETA/GAMMA MONITOR-FAILURE
1363 244-S EXHAUST STACK ALPHA MONITOR-FAILURE
1365 244-S ANNULUS MONITOR-FAILURE
1404 TK 101-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1421 TK 102-SY LEAK DETECTION PIT-WT. FACTOR HIGH
1424 SY-B VALVE PIT LIMIT SWITCH
OR FLUSH PIT PRESSURE SWITCH-ACTIVATED
1446 SY FARM ANNULUS EXHAUSTER-FLOW LOW
1450 SY FARM EXHAUSTER-TROUBLE
1543 CASS EQUIPMENT ALARM-
NO TRANSMISSION VENT SUBSTATION TO S-SUBSTATION
--- VENT STATION ALARMS NOT WORKING ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **

DAILY ALARM SUMMARY REPORT SUBSTATION T 1/22/92 7:15: 8

ALARM		STATUS	DATE	TIME
1063	244-TX RECEIVER TANK NEUTRON MONITOR-RADIATION HIGH	RST	1/22/92	537
1063	244-TX RECEIVER TANK NEUTRON MONITOR-RADIATION HIGH	ACT	1/22/92	536
1121	242-T STACK MONITOR SYSTEM FAILURE	RST	1/21/92	2147
1121	242-T STACK MONITOR SYSTEM FAILURE	ACT	1/21/92	2049
1121	242-T STACK MONITOR SYSTEM FAILURE	RST	1/21/92	1616
1121	242-T STACK MONITOR SYSTEM FAILURE	ACT	1/21/92	1412
1121	242-T STACK MONITOR SYSTEM FAILURE	RST	1/21/92	1350
1121	242-T STACK MONITOR SYSTEM FAILURE	ACT	1/21/92	1341

ALARMS STILL ACTIVE
1167 241-TX-302C COMPRESSOR AIR PRESSURE-LOW

DAILY ALARM SUMMARY REPORT SUBSTATION U 1/22/92 7:15: 8

9 2 1 2 3 7 4 0 7 6 0

NO RESET ALARMS TO REPORT DURING THIS TIME PERIOD

ALARMS STILL ACTIVE
1022 CASS EQUIPMENT ALARM-
WEST AREA ALARM LOOP - LINE MONITOR
--- GAMEWELL ALARM TRANSMISSION FAILURE ---
** MAINTENANCE REQUIRED, NOTIFY SUPERVISOR **

END OF REPORT
CASS MENU SELECTION (0=DISPLAY MENU, 99=QUIT)

Application	Loop	Seq	Instrument Number / Job Card	Remarks	Next Due	Last Done	Frequency	Bldg	Room	Locn	W.O. #
Safety	4T041	1	LDE TL 5		12/91	10/91	02M	244TX	PUMP	PIT	2W-91-1548
			NO REMOTE ANNUNCIATOR/W.O.#2W-91-1548 (ACTION: W . F. WHITE)								
Safety	4T042	1	LDE TL 4		12/91	10/91	02M	244TX	PUMP	PIT	2W-91-1548
			WINDOW 1-E/DOES LDE GO TO TIME A.C./NO REMOTE AN NUNCITR/NO WNDW ANN-RV-2 WO#2W-91-1548(AC:WHITE								
Safety	SS001	1	LDE DB S 151 SY S		10/91	08/91	02M	DB-241	S	151	2W-91-1111
			JOBCARD RETURNED TO CCA FOR MODIFICATION 12/12/9 1. (ACTION: D. STENKAMP)								
Prim Proc Ctl	SY013	2	TC SY A		06/91	06/90	12M	241SY		FLUSH PT A	2W-91-790
			WOULD NOT HOLD IN WITH APPLIED RESISTANCE. W.O.# 2W-91-790 (ACTION: W.F. WHITE)								
Safety	SY041	1	LDE 02D 1 SYS		12/91	10/91	02M	241SY	02D	DRAIN PIT	2W-91-1352
			NO CASS. W.O.2W-91-1352 (ACTION: W.F. WHITE)								
Safety	SY055	1	LDE FP SY B S YS		10/91	08/91	02M	241SY		FLUSH PT B	2W-91-1352
			NO CASS. W.O.#2W-91-1352 (ACTION: W. F. WHITE)								
OSR	SY231	1	LDE 101 2A SYS		09/91	08/91	01M	241SY	101	TK ANNULUS	2W-91-1352
			NO POWER TO CABINET LABRL SHOULD READ LDE-01A-1 W.O.#2W-91-1352 (ACTION: W. F. WHITE)								
OSR	SY251	1	LDE 102 2A SYS		12/91	11/91	01M	241SY	102	TK ANNULUS	2W-91-1352
			LABEL SHOULD READ LDE-02A-1/NO CASS W.O.#2W-91-1 352 (ACTION: W. F. WHITE)								
OSR	SY252	1	LDE 103 2A SYS		12/91	11/91	01M	241SY	103	TK ANNULUS	2W-91-1352
			NO CASS. W.O.#2W-91-1352. (ACTION: W. F. WHITE)								
Safety	TX408	1	LDE TX 152 DB		10/91	09/91	01M	241TX			2W-91-1112
			JOBCARD RETURNED TO MAINT. MANAGER FOR COMPLETIO N 12/18/91. (ACTION: TE AUSTIN)								
Safety	U0001	1	LDE DB U 151 SY S		10/91	08/91	02M	DB-241	U	151	2W-91-1541
			NO REMOTE ANNUNCIATOR. NO CASS. W. O. # 2W-91-15 41 (ACTION: W.F. WHITE)								
Safety	U0002	1	LDE DB U 152 SY S		10/91	08/91	02M	DB-241	U	152	2W-91-1541
			NO REMOTE ANNUNCIATOR. NO CASS. W.O.#2W-91-1541 (ACTION: W.F. WHITE)								
Safety	UX302	1	LDE UX 30 2A SYS		10/91	08/91	02M	241UX		PUMP PIT	2W-91-00492
			NO LOCAL ALARM. W.O.# 2W-91-00492. (ACTION: W.F. WHITE)								

Total Page Estimated Hours	22
Total # of Items on Page	13
Craft Total Hours	22
Craft # of Items	13

Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9104110101

Instr #: LDE - 03C-1 SYS- Appl Code: Safety Due: 05/28/91
Loop #: SY121 Bldg: 241SY Maker: ROCKWELL HANFOR Last Done: 03/19/91
Seq #: 1 Room: 03C Model: SEE H23496 Proc#: N/A Iss.Date
Freq : 02M Locn: LK DET PIT Serial #: SW Tol Hist: I***
Dwg/Sht/Coord/Rev#: H237757/01/C12/03 Lin Code: Linear CAL Tol Hist: I***
Function Description: LEAK DETECTION PIT

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? - - - - - Y / N / NA
2. Does Local Alarm work ? - - - - - - - - - Y / N / NA
3. Does Remote Annunciator work ? - - - - - Y / N / NA
   a. Record Alarms that Activated. G1 22 + 28 LOT 13
4. Did CASS recieve alarm ? - - - - - - - - - Y / N / NA
5. Does Interlock work ? - - - - - - - - - - Y / N / NA
   a. Record Interlocks that Activated. _____

9 2 1 2 5 7 4 0 7 5 2

Work Released J. L. Ahrens 5/2/91

Remarks Accept No cass alarm. Need W.O.#
(Action: J. Comer).

Previous Remarks: ~~NO CASS. W.O.#2W-91-00064 (ACTIO N: J. COMER)~~

5 REVIEWED

Instructions: CASS; MASTER PMP SHTDWN UPON LEAK DETECTION

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician cmgillis / J Welsh J Antolice 5/9/91 Hours 3. Manager R J Coleman 5/9/9

Work Order # _____

MES-010.005X Mid Interval Data Sheet
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9201220083

Instr #: LDE 03C 1 SYS Appl Code: Safety Due: 01/28/92
Loop #: SY121 Bldg: 241SY Maker: ROCKWELL HANFORD Last Done: 11/11/91
Seq #: 1 Room: 03C Model: SEE H234965 Proc#: N/A Iss.Date
Sys #: Locn: LK DET PIT Serial #: SW/CAL Tol Hist: IIII IIII
Freq : 02M DS Key: 014761 Lin Code: 01 Status: A
Function Desc: LEAK DETECTION PIT
Dwg/Sht/Coord/Rev#: H237757/01/C12/03

1. Does Flashing Zone Light work? Y / N _____

2. Does Local Alarm work? Y / N _____

3. Does remote annunciators work?
Window Ann-22G1 "Leak Detected Alarm (LDA-Process Pits) 241-SY Process Pits" 242-S Bldg. Y / N _____

4. Does LDT-13 activate? Y / N _____

Ref: H-2-37761 Line 37 - Instrumentation Annunciator Elementary Diagram.
H-2-37735/02 Zone E08 - Electrical Elementary Diagram
H-2-38377 Zone C12 - Electrical Elementary Diagram

9 2 1 2 3 7 4 0 7 6 3

Work Released _____ __/__/__ Please Circle: Accept or Reject

Remarks _____

Previous Remarks: NO CASS. W.O.#2W-91-1352 (ACTION: W. F. WHITE)

Instructions: CASS; MASTER PMP SHTDWN UPON LEAK DETECTION

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician _____ __/__/__ Hours ___.__ Manager _____ __/__/__
Work Order # _____

MES-010.005X Mid Interval Data Sheet Page 1
Craft INSTRUMENT TECH Overall Cal
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9201220028

Instr #: RR EXH 101 1 Appl Code: OSR Due: 01/28/92
Loop #: SY153 Bldg: 241SY Maker: FOXBORO Last Done: 07/12/91
Seq #: 4 Room: 271 Model: E20S-H Proc#: PSCP-4-017 Iss.Date 10/31/89
Sys #: Locn: INSTR. BLD Serial #: 3231271-D SW/CAL Tol Hist: I*** IIII
Freq : 06M DS Key: 002338 Lin Code: 01 Status: A
Function Desc: TK 101 SY ANNULUS RADIATION
Dwg/Sht/Coord/Rev#: H237757/02/G11/05

Range Input: 10 TO 50 MA + / - .5 %
Range Output: .0 TO 100 PERCENT + / - 2.0 %

Standards Used: Input _____ CAL Expiration Date: _____
(Traceable to Nationally Recognized Standards) Output _____ CAL Expiration Date: _____

Calibration Data

CK PT	Input / Output Requirements: Specified Input Value	Specified Output Value	- Limit of Tolerance	+ Limit of Tolerance	Output Condition: As Found Value	As Found Tolerance (In/Out)	As Left Value
1	10.0	0.0	-2.0	2.0			
2	20.0	25.0	23.0	27.0			
3	30.0	50.0	48.0	52.0			
4	40.0	75.0	73.0	77.0			
5	50.0	100.0	98.0	102.0			

Perform Maint. Proc. 7-GN-38

Work Released _____ __/__/__ Please Circle: Accept or Reject

Remarks _____

Previous Remarks:

Instructions:

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician _____ __/__/__ Hours __.__ Manager _____ __/__/__
Work Order # _____

sig	Instrument Number	Loop#	Seq#	Function Description	Calibration Status	Calibration Type	Application
	LDE 03C 1 SYS	SY121	1	LEAK DETECTION PIT	Active	Funct Test	Safety
	LDE 101 10A SY S	SY054	A	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 10B SY S	SY055	A	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 10C SY S	SY056	A	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 11A SY S	SY054	B	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 11B SY S	SY055	B	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 11C SY S	SY056	B	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 12A SY S	SY054	C	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 12B SY S	SY055	C	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 12C SY S	SY056	C	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 13A SY S	SY054	D	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 13B SY S	SY055	D	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 13C SY S	SY056	D	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 14A SY S	SY054	E	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 14B SY S	SY055	E	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 14C SY S	SY056	E	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 15A SY S	SY054	F	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 15B SY S	SY055	F	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 15C SY S	SY056	F	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 16A SY S	SY054	G	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 16B SY S	SY055	G	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 16C SY S	SY056	G	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 17A SY S	SY054	H	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 17B SY S	SY055	H	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 17C SY S	SY056	H	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 1A SYS	SY054	1	TANK 101 LEAK DETECTION SYSTEM	Inactive	Funct Test	OSR
	LDE 101 1B SYS	SY055	1	TANK 101 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety
	LDE 101 1C SYS	SY056	1	TANK 101 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety
	LDE 101 2A SYS	SY231	1	TK 101 SY ANNULUS LEAK DETECTION	Active	Funct Test	OSR
	LDE 101 2B SYS	SY055	2	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 2C SYS	SY056	2	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 3A SYS	SY054	3	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 3B SYS	SY055	3	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 3C SYS	SY056	3	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 4A SYS	SY054	4	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 4B SYS	SY055	4	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 4C SYS	SY056	4	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 5A SYS	SY054	5	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 5B SYS	SY055	5	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 5C SYS	SY056	5	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 6A SYS	SY054	6	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 6B SYS	SY055	6	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 6C SYS	SY056	6	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 7A SYS	SY054	7	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 7B SYS	SY055	7	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 7C SYS	SY056	7	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 8A SYS	SY054	8	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 8B SYS	SY055	8	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 8C SYS	SY056	8	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 9A SYS	SY054	9	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 9B SYS	SY055	9	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 101 9C SYS	SY056	9	TANK 101 LEAK DETECTION SYSTEM	System	Funct Test	Safety
	LDE 102 10A SY S	SY078	B	TANK 102 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety
	LDE 102 10B SY S	SY079	B	TANK 102 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety
	LDE 102 10C SY S	SY100	B	TANK 102 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety
	LDE 102 11A SY S	SY078	C	TANK 102 LEAK DETECTION SYSTEM	Inactive	Funct Test	Safety

TABLE SY.2.0: TANK ANNULUS LEAK DETECTION

INSTRUMENT	PROCEDURE	FREQ	CLASS	PISCES LOOP NO.
LDA 101 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY231 4
LDE 1012A SYS	N/A FUNCTIONAL TEST 7-GN-42	01M	OSR	SY231 1
LDI 101 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY231 2
LDA 102 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY251 4
LDE 1022A SYS	N/A FUNCTIONAL TEST 7-GN-42	01M	OSR	SY251 1
LDI 102 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY251 2
LDA 103 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY252 4
LDE 1032A SYS	N/A FUNCTIONAL TEST 7-GN-42	01M	OSR	SY252 1
LDI 103 2A	N/A SPECIAL CHECK 7-GN-42	01M	OSR	SY252 2

9 2 1 2 3 7 1 0 7 3 6

TABLE 6: SY FARM CASS ALARMS

FACILITY	CASS ALARM TYPE	LIQUID LEVEL MONITORED (Y/N)	FREQ
241-SY-101 241-SY-102 241-SY-103 Double Shell Tanks	1) Annulus -LEAK -LEAK LEVEL 2) Annulus Exhaust -RADIATION HIGH 3) Annulus Sample Pump -FAILURE 4) Leak Detection Pit -RADIATION HIGH -WT. FACTOR HIGH 5) Tank Pressure -HIGH -LOW	Yes	Twice Per Shift
Misc. SY Tank Farm	1) Alarm Panel Power -OFF	N/A	N/A
	2) Instrument Building -RADIATION HIGH	N/A	N/A
	3) Annulus Exhaust -RADIATION HIGH (Fans Shutdown)	N/A	N/A
	4) Annulus Exhauster -FLOW LOW -TROUBLE	N/A	N/A
	5) Area Radiation Monitor -RADIATION HIGH or DETECTOR FAILURE	N/A	N/A
	6) Pump Pits -LEAK	No	N/A
	7) Service Pit -RADIATION HIGH -MONITOR FAILURE	No	N/A
	8) Vessel Exhaust -RADIATION HIGH (Fans Shutdown)	N/A	N/A
	9) Tanks Pressure -LOW	N/A	N/A
	10) Valve Pits -LEAK	No	N/A
	11) Clean Out Boxes -LEAK	No	N/A
241-SY-B Valve Pit	1) Valve Pit Limit Switch	N/A	N/A
	OR		
	Flush Pit Pressure Switch -ACTIVATED	N/A	N/A

9 2 1 2 3 7 4 0 7 3 7

TABLE SY.2.1: TANK ANNULUS LEAK DETECTION RADIATION MONITORING

INSTRUMENT	PROCEDURE	FREQ	CLASS	PISCES LOOP NO.
CRM EXH 101	N/A OVERALL CALIBRATION 7-GN-38	06M	OSR	SY153 2
CVT 101 1	PSCP-6-004 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY153 3
DPA EXH 101 1	N/A FUNCTIONAL TEST 7-GN-38	06M	OSR	SY154 2
DPAS EXH 101 1	PSCP-6-011 LIMITED CALIBRATION 7-GN-38	06M	OSR	SY154 1
RR EXH 101 1	PSCP-4-017 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY153 4
CRM EXH 102	N/A OVERALL CALIBRATION 7-GN-38	06M	OSR	SY173 2
CVT 102 1	PSCP-6-004 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY173 3
DPA EXH 102 1	N/A SPECIAL CHECK 7-GN-38	06M	OSR	SY174 2
DPAS EXH 102 1	PSCP-6-011 LIMITED CALIBRATION 7-GN-38	06M	OSR	SY174 1
RA EXH 102 1	N/A SPECIAL CHECK 7-GN-38	06M	OSR	SY173 5
RR EXH 102 1	PSCP-4-081 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY173 4

9 2 1 2 3 7 4 0 7 5 8

TABLE SY.2.1: TANK ANNULUS LEAK DETECTION RADIATION MONITORING (Cont)

INSTRUMENT	PROCEDURE	FREQ	CLASS	PISCES LOOP NO.
CRM EXH 103	N/A OVERALL CALIBRATION 7-GN-38	06M	OSR	SY178 2
CVT 103 1	PSCP-6-004 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY178 3
DPA EXH 103 1	N/A FUNCTIONAL TEST 7-GN-38	06M	OSR	SY179 2
DPAS EXH 103 1	PSCP-6-011 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY179 1
RA EXH 103 1	N/A SPECIAL CHECK 7-GN-38	06M	OSR	SY178 5
RR EXH 103 1	PSCP-4-017 OVERALL CALIBRATION 7-GN-38	06M	OSR	SY178 4

TABLE SY.2.2: TANK ANNULUS SYSTEM EXHAUST FAN

INSTRUMENT	PROCEDURE	FREQ	CLASS	PISCES LOOP NO.
ANNULUS EXHAUST FAN	2W14007	WEEKLY	NON-OSR	NONE
XA EXH K2 1 1	N/A SPECIAL CHECK 7-GN-38	06M	SAFETY	SY009 7
XA EXH K2 1 2	N/A SPECIAL CHECK 7-GN-38	06M	SAFETY	SY009 2
XA EXH K2 1 3	N/A SPECIAL CHECK 7-GN-38	06M	SAFETY	SY009 5

9 2 1 2 5 7 1 0 7 6 9

MES-010.003 Data Sheet
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data She Sequence #: 2W*9110010105

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 09/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFORD OP. Last Done: 08/16/91
Seq #: 1 Room: 101 Model: SEE H234965 Proc#: N/A Iss.Date
Sys #: Locn: TK ANNULUS Serial #: SW Tol Hist: IIII
Freq : 01M DS Key: PE03 Lin Code: 01 CAL Tol Hist: IIII
Function Desc: TK 101 SY ANNULUS LEAK DETECTION
Dwg/Sht/Coord/Rev#: H237757/01/A11/03

MG 12/13/91 A

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? - - - - - Y / N / NA JW-GM-CT
2. Does Local Alarm work ? - - - - - - - - - Y / N / NA
3. Does Remote Annunciator work ? - - - - - Y / N / NA
   a. Record Alarms that Activated. _____
4. Did CASS recieve alarm ? - - - - - - - - - Y / N / NA
5. Does Interlock work ? - - - - - - - - - - Y / N / NA
   a. Record Interlocks that Activated. _____

~~DAN STENKAMP DO WE NEED TO INACTIVATE THIS PISCES CHECK UNTIL W.O. 2W-91-1170 IS COMPLETED?~~
~~Bill White 11-25-91~~

9 2 1 2 3 7 4 0 7 7

Edit Only

Work Released J. L. Ahrens OCT 29 1991

Remarks NO POWER TO CABINET LABEL SHOULD READ LDE-01A-1

Previous Remarks: OTHER MAINT WORK IN PROGRESS/INSTR TEMP OUT OF SERVICE/W.O.#2W-91-1170 (ACTION: W.F. WHITE)

RECEIVED DEC 4 1991

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician JWRLCH-TAMMAHILL-MRRLRR 11/11/91 Hours 3. Manager [signature] 11/22/91
Work Order # 2W-91-1352

MES-010.005 Data Sheet Page 1
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*91110[illegible]

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 09/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFORD OP. Last Done: 08/16/91
Seq #: 1 Room: 101 Model: SEE H234965 Proc#: N/A Iss.Date
Sys #: Locn: TK ANNULUS Serial #: SW/CAL Tol Hist: IIII IIII
Freq : 01M DS Key: 014828 Lin Code: 01 Status: A
Function Desc: TK 101 SY ANNULUS LEAK DETECTION
Dwg/Sht/Coord/Rev#: H237757/01/A11/03

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? - - - - - Y / N CT
2. Does Local Alarm work ? - - - - - - - - - Y / N
3. Does Remote Annunciator work ? - - - - - Y / N
   Window Ann-101-7 "Leak Detected Alarm
   (LDA-101-2A) Tank
   241-SY-101 Annulus"
   241-SY-271 Bldg. G1-28, 22 GAMEWELL LDT-13
4. Did Cass receive alarm? - - - - - - - - - - Y / N
   (Point #_____)

Ref: H-2-37760 SHT 1 - Instrumentation Rear Panel Wiring Instrument Building
H-2-37761 SHT 1 Line 7 - Instrumentation Annunciator Elementary Diagram
H-2-71564 SHT 1 Zone D07 - Elec/Instm Substation 'S' Conn Diag

9 2 1 2 5 7 0 7 7 1

Edit only

Work Released J. L. Ahrens NOV 26 1991 Please Circle: Accept or Reject
Remarks No Cass. W.O.# 2W-91-1352 (Action: W.F. White)

Previous Remarks: ~~G1-20 WILL NOT CLEAR/TRIPPED WHEN SHORTED/(WILL NOT INDICATE LEAK)/W.O.#2W-91-1353(AC:W.F.WHITE)~~
Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

RECEIVED DEC 4 1991 REVIEWED

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician WELCH/MERCER/CT 12/2/91 Hours 1. Manager [signature] 12/2/91
Work Order # 2W-91-1352

MES-010.005 Data Sheet Page 1
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9106050163

8/13/91

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 06/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFOR Last Done: 05/07/91
Seq #: 1 Room: 101 Model: SEE H23496 Proc#: N/A Iss.Date
Freq : 01M Locn: TK ANNULUS Serial #: SW Tol Hist: III*
Dwg/Sht/Coord/Rev#: H237757/01/A11/03 Lin Code: Linear CAL Tol Hist: III*
Function Description: TK 101 SY ANNULUS LEAK DETECTION

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

			(Initials)
1.	Does Flashing/Zone light work ?	X / N / NA	ET JW JA
2.	Does Local Alarm work ?	X / N / NA	
3.	Does Remote Annunciator work ?	Y / N / NA	
	a. Record Alarms that Activated.		
4.	Did CASS recieve alarm ?	Y / N / NA	
5.	Does Interlock work ?	Y / N / NA	
	a. Record Interlocks that Activated.		

Need work order
Troubleshoot

Edit Only

2W-91-00765-P

9212374077 2

Work Released J L Ahrens 7/12/91
Remarks System fails to alarm by procedure
W.O. # 2W-91-924 (Action: W.F. White)

RECEIVED JUL 31 1991

Previous Remarks: ACCEPT, NO CASS ALARM, NEED WO# ACTION: J.COMER)

2 REVISION

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician [signature] 7/24/91 Hours 2. Manager [signature] 7/26/91

Work Order # 2W-91-924

6/10/91

MES-010.005 Data Sheet Page 1
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9105170140

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 05/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFOR Last Done: 04/18/91
Seq #: 1 Room: 101 Model: SEE H23496 Proc#: N/A Iss.Date
Freq : 01M Locn: TK ANNULUS Serial #: SW Tol Hist: II**
Dwg/Sht/Coord/Rev#: H237757/01/A11/03 Lin Code: Linear CAL Tol Hist: II**
Function Description: TK 101 SY ANNULUS LEAK DETECTION

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

			(Initials)
1.	Does Flashing/Zone light work ? - - - - -	(Y) / N / NA	JA
2.	Does Local Alarm work ? - - - - - - - - -	(Y) / N / NA	JW
3.	Does Remote Annunciator work ? - - - - - -	(Y) / N / NA	BM
	a. Record Alarms that Activated. G1 22 28 LDT 13		
4.	Did CASS recieve alarm ? - - - - - - - - -	Y / (N) / NA	
5.	Does Interlock work ? - - - - - - - - - -	Y / N / (NA)	
	a. Record Interlocks that Activated.		

[OSR]

9 2 1 2 3 7 4 0 7 7 3

RECEIVED
JUL 3 1991

Work Released J Clark 5/21/91

Remarks

ACCEPT

Previous Remarks: NO CASS ALARM. NEED W.O.# (ACTIO N: J. COMER)

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure na Data Sheet na

Technician 6/25/91 Hours 3.2 Manager A J Coleman 6/27/91

Work Order #

MES-01[illegible]
Craft ELECTRIAN
Facility WEST TANK FARMS

Data Sheet
Funct Test
Data Sheet Sequence #: 2W*9107100130

Page 1 9/3/91 P

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 06/28/91
Loop #: [illegible] Bldg: 241SY Maker: ROCKWELL HANFORD OP. Last Done: 05/07/91
Seq #: 1 Room: 101 Model: SEE H234965 Proc#: N/A Iss.Date
Sys #: Locn: TK ANNULUS Serial #: SW Tol Hist: III*
Freq : 01M DS Key: PE03 Lin Code: 01 CAL Tol Hist: III*
Rev #: Function Description: TK 101 SY ANNULUS LEAK DETECTION

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? - - - - - Y / N / NA — CS. RC
2. Does Local Alarm work ? - - - - - - - - - Y / N / NA — RC - CS.
3. Does Remote Annunciator work ? - - - - - Y / N / NA
   a. Record Alarms that Activated. 61-22, 28, LDT 13
4. Did CASS recieve alarm ? - - - - - - - - - Y / N / NA
5. Does Interlock work ? - - - - - - - - - - Y / N / NA ?
   a. Record Interlocks that Activated.

9 2 1 2 5 7 4 0 7 7 4

2W-91-00884-P

Work Released W Clark 8/1/91

Remarks ACCEPT No Cass. Need W.O.# (Action: W.F. White)

5 REVIEWED

RECEIVED AUG 27 1991

Previous Remarks: ACCEPT, NO CASS ALARM, NEED WO# ACTION: J.COMER)

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician R J Coleman 8/6/91 Hours 4 Manager [signature] 8/6/91

Work Order # _____

MES-010.005
Craft ELECTRIAN
Facility WEST TANK FARMS

Data Sheet
Funct Test

L Shaw 5/30/91

Page 1

Data Sheet Sequence #: 2W*9104110104

Instr #: LDE - 101-2A SYS- Appl Code: OSR Due: 04/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFOR Last Done: 03/19/91
Seq #: 1 Room: 101 Model: SEE H23496 Proc#: N/A Iss.Date
Freq : 01M Locn: TK ANNULUS Serial #: SW Tol Hist: I***
Dwg/Sht/Coord/Rev#: H237757/01/A11/03 Lin Code: Linear CAL Tol Hist: I***
Function Description: TK 101 SY ANNULUS LEAK DETECTION

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

			(Initials)
1.	Does Flashing/Zone light work ?	Y / N / NA	JA / JW / CMS
2.	Does Local Alarm work ?	Y / N / NA	JA / JW / CMS
3.	Does Remote Annunciator work ?	Y / N / NA	JA / JW / CMS
	a. Record Alarms that Activated.	G1-22728 LDT 13	JA / JW / CMS
4.	Did CASS recieve alarm ?	Y / N / NA	JA / JW / CMS
5.	Does Interlock work ?	Y / N / NA	JA / JW / CMS
	a. Record Interlocks that Activated.	~~G1-22728 LDT~~ JA	

9212374077 5

Work Released J. L. Ahrens 5/2/91

Remarks Accept No cass alarm. Need W.O. # (Action: J. Comer)

Previous Remarks: ~~NO CASS. WO#2W-91-00064 (ACTION : J. COMER)~~

5 REVIEWED

RECEIVED MAY 15 1991

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician J Antolic / J Welch CMGillis 5/7/91 Hours 3. Manager R J Coleman 5/9/

Work Order # _____

5/6/91

MES-010.005 PISCES Job Card
Craft Electrician Functional Test
Facility ...West Tank Farms Jobcard Sequence #: 910308107

Device #: LDE 101 2A SYS Appl Code: OSR Due: 03/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFORD OP. Last Done: 02/91
Seq #: 1 Room: 101 Model: SEE H234965 Procedure #: N/A
Freq: 01M Locn: TK ANNULUS Serial #: Issue Date:
Dwg/Sht/Coord/Rev#: H237757/01/A11/03 CVI#: Function Type: Linear
Function Description: TK 101 SY ANNULUS LEAK DETECTION

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>

Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? ------ (Y) / N / NA — BM JA JN
2. Does Local Alarm work ? --------- (Y) / N / NA
3. Does Remote Annunciator work ? ------ (Y) / N / NA
   a. Record Alarms that Activated. G1 #22 & 28 LDT 13
4. Did CASS recieve alarm ? --------- Y / (N) / NA
5. Does Interlock work ? ---------- Y / N / (NA)
   a. Record Interlocks that Activated.

9 2 1 2 3 7 7 6

accept

Work Released W Clark 4/2/91 Not Released By ___/___/___

Remarks No CASS alarm. Need W.O.# (Action: J. Comer)

Previous Remarks: NO CASS. NEED W.O.# (ACTION: J. COMER)

Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

RECEIVED APR 24 1991

2 REVIEWED

Revision Required (Y) (N) Cal/Procedure na Data Sheet na

Technician [signature] 4/18/91 Hours 3. Manager R J Coleman 4/18/91

Discrepancy # ___ Work Order # ___

MES-010.005X Mid Interval Data Sheet Page 1
Craft ELECTRIAN Funct Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9201220025

Instr #: LDE 101 2A SYS Appl Code: OSR Due: 09/28/91
Loop #: SY231 Bldg: 241SY Maker: ROCKWELL HANFORD OP. Last Done: 08/16/91
Seq #: 1 Room: 101 Model: SEE H234965 Proc#: N/A Iss.Date
Sys #: Locn: TK ANNULUS Serial #: SW/CAL Tol Hist: IIII IIII
Freq : 01M DS Key: 014828 Lin Code: 01 Status: A
Function Desc: TK 101 SY ANNULUS LEAK DETECTION
Dwg/Sht/Coord/Rev#: H237757/01/A11/03

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type)

(Initials)

1. Does Flashing/Zone light work ? - - - - - Y / N _____

2. Does Local Alarm work ? - - - - - - - - - Y / N _____

3. Does Remote Annunciator work ? - - - - - Y / N _____
   Window Ann-101-7 "Leak Detected Alarm
   (LDA-101-2A) Tank
   241-SY-101 Annulus"
   241-SY-271 Bldg.

4. Did Cass receive alarm? - - - - - - - - - - Y / N _____
   (Point #_____)

Ref: H-2-37760 SHT 1 - Instrumentation Rear Panel Wiring Instrument Building
H-2-37761 SHT 1 Line 7 - Instrumentation Annunciator Elementary Diagram
H-2-71564 SHT 1 Zone D07 - Elec/Instm Substation 'S' Conn Diag

9 2 1 2 2 7 7 7 7 7

Work Released _____ __/__/__ Please Circle: Accept or Reject

Remarks _____

Previous Remarks: NO POWER TO CABINET LABRL SHOULD READ LDE-01A-1
W.O.#2W-91-1352 (ACTION: W. F. WHITE)
Instructions: SYSTEM INCLUDES LDI 101-2A, LDA 101-2A

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician _____ __/__/__ Hours ___.__ Manager _____ __/__/__
Work Order # _____

MES-010.005X Mid Interval Data Sheet Page 1
Craft INSTRUMENT TECH Sys Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9201220026

Instr #: LDI 101 2A Appl Code: OSR Due: 07/30/89
Loop #: SY231 Bldg: 241SY Maker: Last Done:
Seq #: 2 Room: 101 Model: Proc#: N/A Iss.Date
Sys #: Locn: Serial #: SW/CAL Tol Hist: **** ****
Freq : 01M DS Key: PE01 Lin Code: 01 Status: A
Function Desc: TANK 101 LEAK DETECTION SYSTEM
Dwg/Sht/Coord/Rev#: H237757/01/C11/03

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type) (Initials)

1. Record Alarm Setpoint: As Found - - - - - - - - - - _____
   As Left - - - - - - - - - - _____
   a. Was liquid added ? - - - - - - - - - - Y / N / NA
   b. If so how much was added ? _____
2. Does Local Alarm work ? - - - - - - - - - Y / N / NA _____
3. Does Remote Annunciator work ? - - - - - - Y / N / NA _____
   a. Record Alarms that Activated. _____
4. Did CASS recieve alarm ? - - - - - - - - - Y / N / NA _____
5. Does Level Indicator work ? - - - - - - - - Y / N / NA _____
6. Check Flow Indicator for stuck float ? - - Y / N / NA _____

9 2 1 2 3 7 4 0 7 7 8

Work Released _____ __/__/__ Please Circle: Accept or Reject

Remarks _____

_____

Previous Remarks:

Instructions: CASS; MASTER PUMP SHTDWN ON LEAK DETECTION OSR

Revision Required (Y/N) Cal/Procedure _____ Data Sheet _____

Technician _____ __/__/__ Hours ___.__ Manager _____ __/__/__
Work Order # _____

MES-010.005X Mid Interval Data Sheet Page 1
Craft INSTRUMENT TECH Sys Test
Facility WEST TANK FARMS Data Sheet Sequence #: 2W*9201220024

Instr #: LDA 101 2A Appl Code: OSR Due: 07/30/89
Loop #: SY231 Bldg: 241SY Maker: Last Done:
Seq #: 4 Room: 271 Model: Proc#: N/A Iss.Date
Sys #: Locn: Serial #: SW/CAL Tol Hist: **** ****
Freq : 01M DS Key: PE01 Lin Code: 01 Status: A
Function Desc: TANK 101 LEAK DETECTION SYSTEM
Dwg/Sht/Coord/Rev#: H237757/01/F11/03

<<<<<<<<< 7-GN-42 Data Sheet >>>>>>>>>
Liquid Leak Detector (Electrode Type) (Initials)

1. Record Alarm Setpoint: As Found - - - - - - - - - - _____
   As Left - - - - - - - - - - _____
   a. Was liquid added ? - - - - - - - - - - Y / N / NA
   b. If so how much was added ? _____
2. Does Local Alarm work ? - - - - - - - - - Y / N / NA _____
3. Does Remote Annunciator work ? - - - - - - Y / N / NA _____
   a. Record Alarms that Activated. _____
4. Did CASS recieve alarm ? - - - - - - - - - Y / N / NA _____
5. Does Level Indicator work ? - - - - - - - - Y / N / NA _____
6. Check Flow Indicator for stuck float ? - - Y / N / NA _____

9 2 1 2 3 7 4 0 7

Work Released _____ __/__/__ Please Circle: Accept or Reject

Remarks _____

_____
Previous Remarks:

Instructions: OSR

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Technician _____ __/__/__ Hours ___.__ Manager _____ __/__/__
Work Order # _____

01/17/92 OVERTIME LIST

CASS==1 EVAPORATOR==2 AGING WASTE==3 204-AR==4 ROUTINES==5
FIELD CREW==6 WASTE TRUCK==7 CORE DRILLING==8 ASBESTOS==9
GROUT==10 244-AR==11 SALTWELL==12 SCBA== **

		TOTAL		I	J	K	L	M	N	O	P	Q	R	S	T	W
				1	2	3	4	5	6	7	8	9	10	11	12	
									CERTS.							
ROGERS R.	W1	0.00	*								8					
KLUNDT M.E.	D1	0.20	*						6	7						
WINDSOR L.P	W1	0.70	**1					5	6	7						
CARAWAY E.R.	D1	0.80	*					5	6						12	
SHARP R.L.	S1	2.80	*						6			9			12	
BONEWELL J.O.	D1	4.40	**1		2			5						11	12	
HATFIELD M.L.	W1	5.70	**			3					8					
DEAN L.L.	W1	6.80	**								8					
GEER D.E.	W1	7.90	**					5	6	7						
BLOOM N.	B1	11.20	**1		2	3		5								
SCHNEIDER W.R.	E1	11.20	*		2	3		5						11		
RIDGLEY D.E.	B1	12.30	*				4		6	7						
KLUTE T.A.	W1	12.60	*													
DEMOTTS S.L.	W1	12.90	*						6	7		9				
EKSTROM R.P.	W1	13.30	*						6		8					
ZAHN D.W.	E1	13.40	**				4	5	6							
PAYNE J.A.	S1	14.00	**					5	6	7		9		11		
EDMUNDS J.	E1	14.40	**1					5								
KOOB K.K.	E1	15.00	*				4	5	6	7						
WEIL M.R.	E1	15.50	*			3		5	6	7		9				
COUGHREN G.R.	D1	15.60	*					5		7				11	12	
EAGEN A.K.	E1	16.10	*			3		5				9				
GARNER M.A.	W1	16.10	*						6	7		9				
SANCHEZ C.L.	W1	16.10	*						6	7	8					
SMITH W.N.	E1	16.30	*													
MEADOR G.C.	E1	16.40	*					5	6	7						
HAM-HUEBNER S.	S1	16.50	*						6						12	
MILLER V.L.	D1	16.50	*					5								
CAREY P.L.	B1	16.80	**					5	6	7						
SHARP B.M.	W1	16.95	**													
BRIGHTON T.E.	S1	17.00	**			3		5	6							
DUNN J.P.	E1	18.00	**			3	4	5	6	7		9		11	12	
WITHERSPOON D.	E1	18.10	**					5				9				
MYERS C.D.	E1	18.20	*				4	5		7		9				
CROSS D.D.	D1	18.30	*			3		5							12	
LEAF K.P.	E1	18.50	**			3		5						11		
CAMPBELL, R.C.	W1	19.20	**						6	7						
HAMMACK A.G.	E1	19.30	*		2	3		5						11	12	
CLEVELAND E.D.	W1	19.50	**						6	7						
CONNOLLY D.	E1	19.60	**			3		5	6			9		11		
HAMMER R.B.	E1	19.60	* 1			3		5								
DAVIS S.R.	B1	19.70	*					5	6					11	12	
KNAPP B.J.	E1	19.90	* 1					5								
TRAINOR, V. J.	E1	20.10	1			3		5								
KATSEL P.A.	W1	20.10	**					5	6		8	9		11		
WIBERG D.W.	W1	20.30	*					5	6			9				
KNAPP J.R.	E1	20.50	**		2	3		5	6					11	12	
TURNER T.M.	W1	20.50	**					5	6			9				
BARGER D.L.	B1	20.60	* 1					5								
HASBARGEN R.L.	B1	20.80	**1					5								
THORNTON G.L.	W1	21.10	**					5	6							
GUERRA J.	W1	21.20	**					5	6	7	8	9				

9 2 1 2 3 7 4 0 7 3 0

FISH T.M.	D1	21.70	**			3		5				9		11			
ELLINGSWORTH	W1	21.80	**								8						
DEEGAN J.E.	D1	22.00	*	1		3		5								12	
WYER. B.C.	E1	22.10			2	3	4	5									
TRAINOR K.	E1	22.20	**1		2	3		5						11			
TUCKSEN J.	S1	22.20	*					5	6	7		9				12	
JOYCE S.B.	B1	22.40	*	1	2	3		5						11			
ALCALA H.	B1	22.60	**1			3		5				9		11			
PHILLIPS R.E.	D1	22.90	**1			3		5						11		12	
FOREMAN L.L.	E1	23.00	*	1		3		5						11		12	
FISHER T.S.	E1	23.00	*			3		5								12	
BONEWELL K.R.	D1	23.30	**		2	3		5						11			
WILKERSON P.S.	E1	23.30	**1			3		5						11		12	
PYLE T.A.	D1	23.60	**1			3		5				9					
EMERSON H.F.	B1	23.70	**1			3	4	5						11		12	
DARLING W.S.	D1	24.00	*	1	2	3		5						11		12	
WIDMAN D.M.	B1	24.10	**1			3		5						11		12	
CLANCY D.G.	W1	31.90	**1			3		5						11			
MANIS J.E.	E1	35.40	*	1		3	4	5	6	7		9		11		12	
A-SHIFT	3																
LOLLIS C.B.	A2	13.70	*		2			5						11		12	
ARMSTRONG M.J.	A2	41.20	*					5	6								
FISCHER C.S.	A2	43.20	*	1		3		5						11		12	
PETTEY R.F.	A2	44.20	**1					5						11			
KEARNEY C.L.	A2	45.80	*			3		5	6					11			
BOTU P.J.	A2	46.50	**1					5						11			
FOREMAN J.L.	A2	46.70	*	1		3		5						11		12	
WYATT D.C.	A2	48.80	*		2	3		5						11		12	
GREENAWAY D.	A2	48.90	*			3		5				9				12	
WYATT R.C	A2	49.10	**			3	4	5	6			9		11			
GALBREATH J.H.	A2	50.80	*		2			5						11		12	
B-SHIFT	3																
C-SHIFT	4																
McCORD C.	C4	33.90	*	1		3		5									
HERMAN M.D.	C4	34.30	*					5				9		11		12	
CARRERA F.	C4	35.60	**1			3		5						11		12	
GEORGE K.L.	C4	35.80	**1			3		5									
MEEKS M.R.	C4	37.00	*					5						11			
WILLIAMSON J.	C4	37.50	*		2	3		5						11			
FOREMAN B.D.	C4	37.90	*		2	3		5	6					11		12	
WEEKS S.E.	C4	43.40	**			3		5								12	
CHRISTIANSON	C4	46.70	**1			3		5						11		12	
LEMOS R.P.	C4	48.10	*					5	6	7							
D-SHIFT	5																
RELIF-SHIFT	6																
EDMUNDS D.L.	R6	34.00	*			3	4	5						11			
HUFFMAN Y.M.	R6	34.70	*					5								12	
JONES D.R.	R6	35.70	**			3		5	6	7		9		11			
HARTLEY L.G.	R6	36.30	*					5									
FAULSELL T.B.	R6	37.90	*		2	3		5				9					
THORNTON R.J.	R6	38.40	*	1	2	3		5						11		12	
BERGER T. E.	R6	45.50	**			3	4	5	6			9		11			
DAVIS M.J.	R6	45.90	**						6			9				12	
NEARING T.	R6	46.40	*	1		3		5	6							12	
BERGER C.	R6	46.60	**1					5									
HENZEL V.L.	R6	48.60	**1			3		5	6	7				11		12	
SURV.	Z																
TYRA D.L.	S7	0.00	*														
CAYLOR S.A.	S7	0.10	*														
MORRIS W.A.	S7	0.20	*														
KUCZYK K.E.	S7	0.30	*														
MORRISON D.B.	S7	0.40	*														
WILDENBORG R.	S7	0.50	*														
MILLER T.N.	S7	0.60	*														
BOYD M.R.	S7	0.70	*														
BEBO E.M.	S7	0.80	**1					5						11		12	

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