

0035962

Date Received:

1-6-94 CW

INFORMATION RELEASE REQUEST

Reference: WMC-CM-3-4

2-10-94

Complete for all Types of Release

REG-0140

Purpose		<input checked="" type="checkbox"/> Reference
<input type="checkbox"/> Speech or Presentation	(Check only one suffix)	<input type="checkbox"/> Technical Report
<input type="checkbox"/> Full Paper		<input type="checkbox"/> Thesis or Dissertation
<input type="checkbox"/> Summary		<input type="checkbox"/> Manual
<input type="checkbox"/> Abstract		<input type="checkbox"/> Brochure/Flier
<input type="checkbox"/> Visual Aid		<input type="checkbox"/> Software/Database
<input type="checkbox"/> Speakers Bureau		<input type="checkbox"/> Controlled Document
<input type="checkbox"/> Poster Session		<input checked="" type="checkbox"/> Other
<input type="checkbox"/> Videotape		94-003

ID Number (include revision, volume, etc.)
 DO-040-001 pg. 17 (PCA), pg. 17, pg. 19 Rev
 DO-100-004 pg. 23, 24, 37 Rev D-4

List attachments.
 See Index

Date Release Required

Title: Plant POP - 6 pages for Ecology Inspection

Unclassified Category UC-

Impact Level

New or novel (patentable) subject matter? No Yes
 If "Yes", has disclosure been submitted by WHC or other company?
 No Yes Disclosure No(s).

Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions?
 No Yes (Identify)

Copyrights? No Yes
 If "Yes", has written permission been granted?
 No Yes (Attach Permission)

Trademarks?
 No Yes (Identify)

Complete for Speech or Presentation

Title of Conference or Meeting N/A

Group or Society Sponsoring N/A

Date(s) of Conference or Meeting N/A

City/State N/A

Will proceedings be published? Yes No
 Will material be handed out? Yes No

Title of Journal N/A

CHECKLIST FOR SIGNATORIES

Review Required per WMC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval		
			Name (printed)	Signature	Date
Classification/Unclassified Controlled Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Patent - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>	SW DEGLIN	Subenflaw	2/8/94
Legal - General Counsel	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
Applied Technology/Export Controlled Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
WHC Program/Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	G.W. Faulk		1/6/94
Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
RL Program/Project	<input checked="" type="checkbox"/>	<input type="checkbox"/>	THOMAS H. DAVIES	Thomas Davies	1/6/94
Publication Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

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

References Available to Intended Audience Yes No

Transmit to DOE-HQ/Office of Scientific and Technical Information Yes No

Author/Requestor (Printed/Signature) L.T. St. Georges
 Date 1-6-94

Intended Audience Brad G. Erlandson
 Internal Sponsor External

Responsible Manager (Printed/Signature)
 Date 1/6/94

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP
 Stamp is required before release. Release is contingent upon resolution of mandatory comments.



Date Cancelled _____ Date Disapproved _____

Lead Author	Phone	MSIN	Other Author(s) or Requestor		
Project or Program	Lead Org Code		Sponsor Agency (DOE, DOT, NRC, USGS, etc.)		
Editor	Phone	MSIN	DOE/HQ Program (DP, EN, EM, NE, etc.)		
Mandatory Comments (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.)	Reviewer Name & Signature	Date	Resolution	Reviewer Name & Signature	Date

Legends/Notices/Markings (required per WHC-CM-3-4 or guidance organization.) (Reviewer initials)

	Affix			Affix	
	Yes	No		Yes	No
Applied Technology	[]	[]	Predecisional Information	[]	[]
Business-Sensitive Information	[]	[]	Programmatic Notice	[]	[]
Computer Software Notice	[]	[]	Proprietary Information	[]	[]
Copyright License Notice	[]	[]	Purpose and Use	[]	[]
Export Controlled Information	[]	[]	Thesis/Dissertation	[]	[]
Legal Disclaimer	[]	[]	Trademark Disclaimer	[]	[]
Limited Disclosure	[]	[]	Unclassified Controlled Nuclear Information/Official Use Only	[]	[]
Patent Status	[]	[]			

Responsible Manager (Printed/Signature) _____

Additional Information _____

Index

T Plant Operating Procedure Document Number DO-100-004 pages 23, 24,38,17,19.
Rev/mod D-4

Engineering change notice 12/20/93 ECN 60213 Title"211-T Valve Replacement."

Work Change Notice Title, "211-T Chem Transfer line valve." Document Number
2T-93-00747/W

T Plant Operating Procedure Do-040-001 dates 12/16,12/16, 12/13, 12/26, 12/25,
12/20, 12/27, 12/29, 1993. and 1/5/94

Procedure Change authorization Do-00153 1/5/94.

T-PLANT PLANT OPERATING PROCEDURE

- H. TRANSFER LIQUID WASTE CONTINUOUSLY FROM TANK 5-7 TO TANK 15-1 VIA TANK 5-9 (Cont.)
- * 23. CALCULATE "gallons sent" from Tank 5-7, and "gallons received" into Tank 15-1.
- SUBTRACT "end-of-transfer" gallons from initial gallons for Tank 5-7 using WORKSHEET, and RECORD "gallons sent" on DATA/CHECKSHEET.
 - SUBTRACT initial gallons from "end-of-transfer" gallons for Tank 15-1 using WORKSHEET, and RECORD "gallons received" on DATA/CHECKSHEET.
- * 24. RECORD "End-of-Transfer" time, SIGN and RETURN completed DATA/CHECKSHEET and WORKSHEET to operations supervision.
- I. TRANSFER LIQUID WASTE FROM 2706-T TO TANK 5-7
- NOTE (1) - This Task requires one Operator to be stationed at the Tank 5-7 level indicators in 221-T, and one Operator in 2706-T.*
- NOTE (2) - 2706-T TO TANK 5-7 TRANSFER WORKSHEET is used to perform necessary calculations in this Task.*
- CALCULATE initial gallons of liquid in 2706-T pit by measuring depth of liquid in pit, or by reading bubbler {1 inch equals 510 gallons}.
 - RECORD "Initial Gallons" on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - * DETERMINE initial liquid level in Tank 5-7.
 - OBTAIN initial chart reading.
 - CALCULATE initial liquid level for Tank 5-7 using 2706-T TO TANK 5-7 TRANSFER WORKSHEET.
 - RECORD initial liquid level on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - * DETERMINE initial gallons in Tank 5-7.
 - For Tank 5-7, ENTER Table 2 and READ gallons corresponding to initial liquid level calculated in step I.2.b. RECORD initial gallons on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - VERIFY that Tank 5-7 has sufficient volume to receive waste from 2706-T pits.
 - VERIFY that the following valves are OPENED:
 - T-PS-211T-006 (211-T)
 - P-LW-0-06-001 (In Pipe Gallery, Section 5)
 - T-XX-2706-006 (If Sump Pump #1 is going to be used)
 - T-XX-2706-004 (If Sump Pump #2 is going to be used)
 - (S) 5. OBTAIN Operations Manager's approval for transfer, and INITIAL DATASHEET.

T-PLANT PLANT OPERATING PROCEDURE

- T. TRANSFER LIQUID WASTE FROM 2706-T TO TANK 5-7 (Cont.)
6. VERIFY proper operation of 211-T sump pump by lifting float. This should activate motor.
 7. START #1 or #2 sump pump, and RECORD pump number on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 8. MONITOR Tank 5-7 liquid level to confirm flow, and RECORD "Start-of-Transfer" Time on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 9. IF level indicator for Tank 5-7 does NOT show an increase within 15-minutes of "start-of-transfer", STOP pump and NOTIFY management.
 10. STOP Sump Pump used for the transfer WHEN 2706-T sump has been pumped dry, OR when Tank 5-7 level reaches 57 inches, unless prior approval to exceed this amount has been received from Operations Management.
 11. DETERMINE "Gallons Sent" from 2706-T Sump Pit.
 - a. CALCULATE "End-of-Transfer" gallons of liquid in 2706-T pit by measuring depth of liquid in pit, or by reading bubbler {1 inch equals 510 gallons}.
 - b. RECORD "End-of-Transfer" gallons on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - c. CALCULATE "Gallons Sent" from 2706-T Sump and RECORD on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - * 12. DETERMINE "Gallons Received" into Tank 5-7.
 - a. OBTAIN ending chart reading for Tank 5-7, and RECORD on 2706-T TO TANK 5-7 TRANSFER WORKSHEET.
 - b. CALCULATE and RECORD Ending Liquid Level for Tank 5-7 on 2706-T TO TANK 5-7 TRANSFER WORKSHEET.
 - c. CALCULATE "End-of-Transfer" Gallons for Tank 5-7 using 2706-T TO TANK 5-7 TRANSFER WORKSHEET and RECORD on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - d. CALCULATE "Gallons Received" on 2706-T TO TANK 5-7 TRANSFER WORKSHEET and RECORD on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET.
 - (S) 13. IF "Gallons Received" differs from "Gallons Sent" by more than 200 gallons,
 - NOTIFY Operations Supervision.
 14. RECORD "End-of-Transfer" time on T PLANT TANK-TO-TANK TRANSFER DATA/CHECKSHEET, and SIGN and RETURN completed DATA/CHECKSHEET and 2706-T TO TANK 5-7 TRANSFER WORKSHEET to Operations Supervision.

T PLANT PLANT OPERATING PROCEDURE

T PLANT TANK-TO-TANK WASTE TRANSFER DATA/CHECKSHEET (Cont.)

I. TRANSFER LIQUID WASTE FROM 2706-T TO TK 5-7

Step
No.

I.1 2706-T Sump Initial Gallons _____ gal.
I.3.a Tank 5-7 Initial Gallons _____ gal.
I.3.b Volume Available in TK 5-7 _____ gal.
I.5 Operations Manager's Approval _____
(Time) (Initials)
I.7 2706-T Sump Pump Used #1 #2 (Circle One)
I.8 Flow to Tank 5-7 Confirmed _____(Initials)
I.8 "Start-of-Transfer" Time _____

I.10.b 2706-T Sump "End-of-Transfer" Gallons _____ gal.
I.10.c Gallons Sent _____ gal.
I.11.c Tank 5-7 "End-of-Transfer" Gallons _____ gal.
I.11.d Gallons Received _____ gal.
I.13 "End-of-Transfer" Time _____

Date _____

Operator's Name: _____ (Print) Operator's Signature _____

Supervisor's Signature: _____ Date _____

T PLANT PLANT OPERATING PROCEDURE

T PLANT-TANK-TO-TANK WASTE TRANSFER DATA/CHECKSHEET (Cont.)

I. TRANSFER LIQUID WASTE FROM 2706-T TO TK 5-7

Step
No.

I.1 2706-T Sump Initial Gallons 2715 gal.
I.3.a Tank 5-7 Initial Gallons 1100 gal.
I.3.b Volume Available in TK 5-7 5900 gal.
I.5 Operations Manager's Approval 1300 (Time) MM (Initials)
I.7 2706-T Sump Pump Used #1 #2 (Circle One)
I.8 Flow to Tank 5-7 Confirmed RRE (Initials)
I.8 "Start-of-Transfer" Time 13:23

I.10.b 2706-T Sump "End-of-Transfer" Gallons 0 gal.
I.10.c Gallons Sent 2715 gal.
I.11.c Tank 5-7 "End-of-Transfer" Gallons 4000 gal.
I.11.d Gallons Received 2900 gal.
..13 "End-of-Transfer" Time 1512

Date 12-29-93

Operator's Name: R R Everham
(Print)

Operator's Signature R R Everham

Supervisor's Signature: [Signature]

Date 12/29/93

T PLANT PLANT OPERATING PROCEDURE

35 DO-00153 Page 12

PERFORM SURVEILLANCE OF 2706-T (Cont.)

Start of Shift Surveillance (Cont.)

15. UNLOCK and ENTER building 2706-T

AND

TURN interior building lights on in

- Maintenance shop
- Storage area
- Main decontamination hall

a. RECORD status on LOG.

16. INSPECT building process air system pressure gauge for air pressure reading.

- RECORD on LOG

NOTE - Normal operating air pressure is 85 - 95 PSI.

17. INSPECT building air and sanitary water supply piping for leakage and/or damage.

- RECORD status on LOG

18. INSPECT building fire protection system piping for damage and/or leakage.

a. RECORD status on LOG

b. NOTIFY Operations supervision immediately if leakage or damage is noted.

19. INSPECT Main Decontamination Area annunciator panel, lights and associated indicators for damage to panels or connected piping and wires.

- a. TEST alarms USING test buttons.
- b. RECORD status of alarm panel operation on LOG.

20. OBSERVE building sump level indicator, and RECORD level on LOG. Also Record waste description by circling liquid or sludge.
• IF sump level >12 inches, NOTIFY Operations Supervision.

NOTE - Refer to DO-080-007, "Sample 2706-T, 211-T Radioactive Liquid & Sludge", for required steps to be performed prior to sump transfer to 211-T. Environmental Control is responsible for assigning the waste codes when a char occurs in any tank or sump.

21. INSPECT building Fan Control Units (FCU), maintenance, and storage area unit heaters for damage.

- OBSERVE building temperature indicator,
- RECORD temperature on LOG, and
- NOTIFY Operations supervision if building temperature exceeds envelope (50 - 80 °F).

Document No.	Rev/Mod	Page
DO-040-001	E-3	17

T PLANT PLANT OPERATING PROCEDURE

F. PERFORM SURVEILLANCE OF 2706-T (Cont.)

Start of Shift Surveillance (Cont.)

15. UNLOCK and ENTER building 2706-T

AND

TURN interior building lights on in

- Maintenance shop
- Storage area
- Main decontamination hall

a. RECORD status on LOG.

16. INSPECT building process air system pressure gauge for air pressure reading.

- RECORD on LOG

NOTE - Normal operating air pressure is 85 - 95 PSI.

17. INSPECT building air and sanitary water supply piping for leakage and/or damage.

- RECORD status on LOG

18. INSPECT building fire protection system piping for damage and/or leakage.

a. RECORD status on LOG

b. NOTIFY Operations supervision immediately if leakage or damage is noted.

19. INSPECT Main Decontamination Area annunciator panel, lights and associated indicators for damage to panels or connected piping and wires.

a. TEST alarms USING test buttons.

b. RECORD status of alarm panel operation on LOG.

20. OBSERVE building sump level indicator, and RECORD level on LOG.

- IF sump level >12 inches, NOTIFY Operations Supervision.

NOTE - Refer to DO-080-007, "Sample 2706-T, 211-T Radioactive Liquid & Sludge", for required steps to be performed prior to sump transfer to 211-T.

21. INSPECT building Fan Control Units (FCU), maintenance, and storage area unit heaters for damage.

- OBSERVE building temperature indicator,
- RECORD temperature on LOG, and
- NOTIFY Operations supervision if building temperature exceeds envelope (50 - 80 °F).

T PLANT PLANT OPERATING PROCEDURE

F. PERFORM SURVEILLANCE OF 2706-T (Cont.)

Start of Shift Surveillance (Cont.)

29. INSPECT stored material containers for leakage.

a. NOTIFY Operations supervision immediately if any leakage is noted

AND

TAKE ACTION as necessary to ensure that leakage remains within building sump boundary.

b. RECORD status on LOG

30. ENSURE storage building doors are closed.

End of Shift Surveillance

Note: End of Shift surveillance must be performed during LAST HOUR of shift.

31. RECORD on LOG the types and quantities of chemicals used during day shift operations,

AND

that all flammable/flammable materials have been returned to proper storage buildings.

32. CLOSE AND LOCK storage buildings.

a. ENSURE that lights and fans are secured

b. RECORD status on LOG

33. ENSURE that facility yard is in order and that packaged equipment and LLW station are properly SECURED.

34. ENSURE that all decontamination process equipment has been secured (ACT-1, PARTEK Blaster, SIOUX steam cleaner, etc.).

a. RECORD status on LOG

35. ENSURE that building sump pumps are secured.

• RECORD status on LOG

36. RECORD sump level indicator reading.

a. NOTIFY Operations supervision if sump level is >12 inches.

IPF# 8

ENGINEERING CHANGE NOTICE

Page 1 of 4

1. ECN 60210

Proj. ECN

2. ECN Category (mark one) <input checked="" type="checkbox"/> Supplemental <input type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECR <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedure <input type="checkbox"/> Cancel/Void	3. Originator's Name, Organization, MSIN, and Telephone No. ANDERSON, SCOTT, T PLANT-ENG, T3-28, 373-1912		4. Date 12/20/93
	5. Project Title/No./Work Order No. 211-T VALVE REPLACEMENT	6. Bldg./Sys./Fac. No. 2706/211-T/CHEM TRANSFER	7. Impact Level 3Q
	8. Document Numbers Changed by this ECN (includes sheet no. and rev.) H-2-91264 SH1 REV 2 ^{SPP} 12/20/93		9. Related ECN No(s). NONE

11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)	11b. Work Package No. 2T-93-747	11c. Modification Work Complete N/A _____ Cog. Engineer Signature & Date	11d. Restored to Original Condition (Temp. or Standby ECN only) N/A _____ Cog. Engineer Signature & Date
---	------------------------------------	---	---

12. Description of Change
 ADDED NOTE NEXT TO VALVE T-PS-211T-006 PER PAGE 3 OF THIS ECN. ADDED NOTE PERTAINING TO VALVE T-PS-211T-006 PER PAGE 4 OF THIS ECN.

13a. Justification (mark one)	Criteria Change <input type="checkbox"/>	Design Improvement <input checked="" type="checkbox"/>	Environmental <input type="checkbox"/>
As-Found <input type="checkbox"/>	Facilitate Const. <input type="checkbox"/>	Const. Error/Omission <input type="checkbox"/>	Design Error/Omission <input type="checkbox"/>

13b. Justification Details
 CLARIFICATION OF VALVE TYPE, SIZE AND MATERIAL NECESSARY.

14. Distribution (include name, MSIN, and no. of copies) S P ANDERSON T3-28 B R POWELL, JR. T4-06 J T BELCHER T3-28 CDWS# 4 R1-29 CDWS# 5 T4-30	RELEASE STAMP OFFICIAL RELEASE BY WHC 63 DATE DEC 20 1993 Sta# 6
--	---

ENGINEERING CHANGE NOTICE

15. Design Verification Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	16. Cost Impact		17. Schedule Impact (days)	
	ENGINEERING		CONSTRUCTION	
	Additional Savings	Additional Savings	Improvement Delay	

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

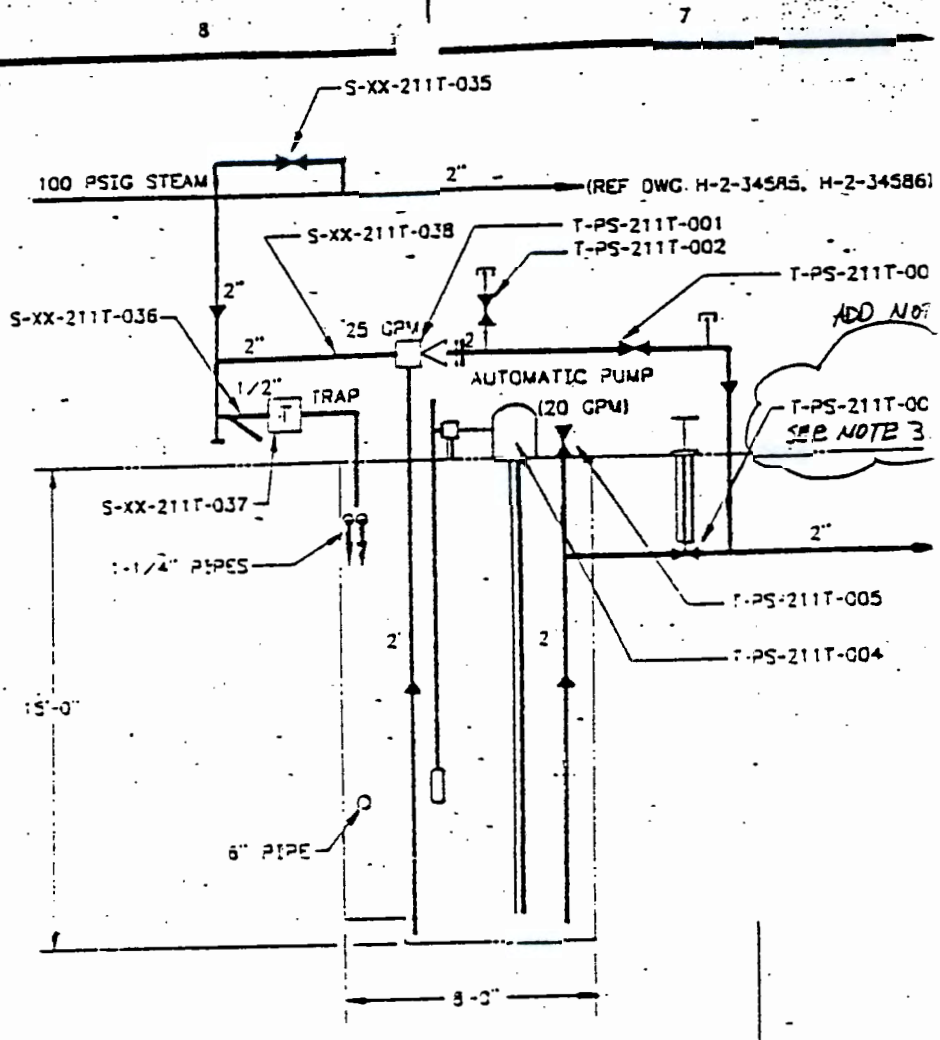
SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision	Document Number/Revision	Document Number/Revision
N/A		

20. Approvals

Signature	Date	Signature	Date
OPERATIONS AND ENGINEERING		ARCHITECT-ENGINEER	
Cog Engineer SPA <i>Scott Anderson</i>	<i>12/20/93</i>	PE	
Cog. Mgr. <i>John J. Smith</i>	<i>12/20/93</i>	QA	
QA BRP <i>Billy Ray Powell Jr</i>	<i>20 Dec 93</i>	Safety	
Safety		Design	
Security		Environ.	
Environ.		Other	
Projects/Programs			
Tank Waste Remediation System			
Facilities Operations			
Restoration & Remediation		DEPARTMENT OF ENERGY	
Operations & Support Services		Signature or Letter No.	
IRM			
Other		ADDITIONAL	

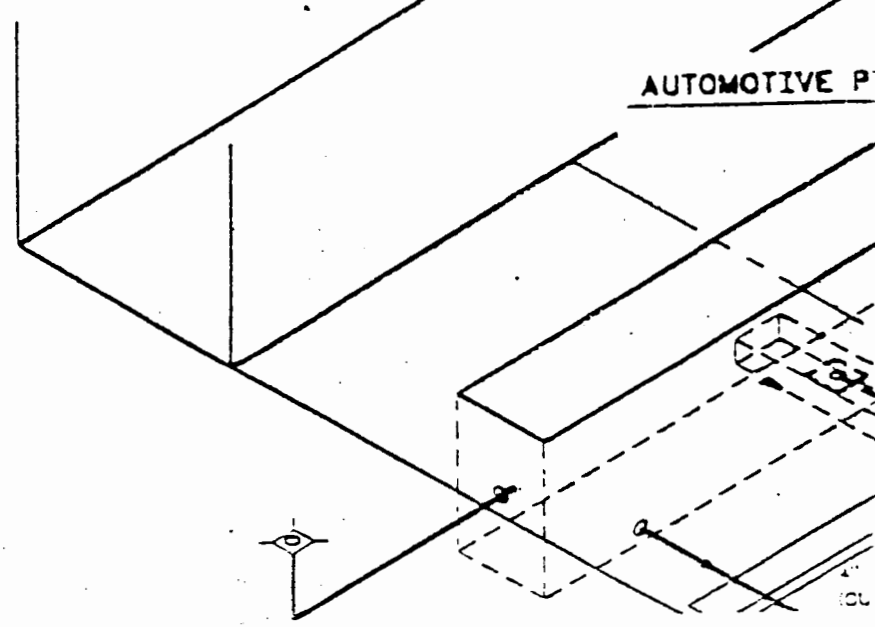


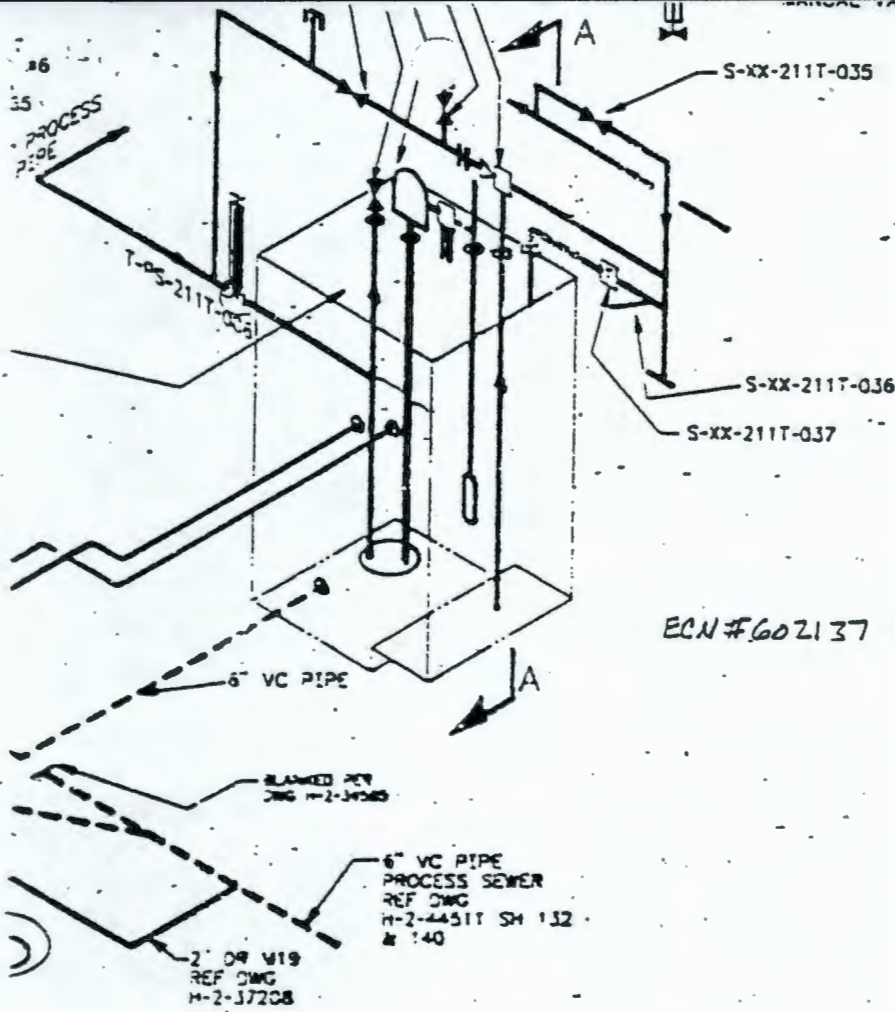
SECTION A-A

ECN #602137 P. 3/4

PARTS
 LIST
 20
 100
 10
 W-IX-2725-

AUTOMOTIVE P





ECN #602137 P. 4/4

GENERAL NOTES

1. LIQUID WASTE CONTRIBUTIONS AT 2706-T BUILDING INCLUDE:
 - A. LIQUID WASTE FROM DECONTAMINATION OPERATIONS DRAINING INTO AUTOMATIVE AND RAILROAD PITS.
 - B. LIQUID WASTE FROM GENERAL FLOOR CLEAN UP DRAINING INTO FLOOR DRAINS AND PITS.
 - C. RAIN WATER DRAINAGE FROM CONCRETE PAD BEHIND 2706-T.
 - D. WATER DRAINAGE INTO DRAIN IN FRONT OF 2706-T.
2. LIQUID WASTE FROM 2706-T DRAINS INTO THE SLUDGE COLLECTION SUMP AND IS AUTOMATICALLY PUMPED TO 221-T BUILDING CELL 6-L.

3. VALVE T-PS-211T-006 TO BE A 2" FLANGED S.S. BALL VALVE, 1501B.

ADD NOTE

CONFIDENCE LEVEL C

PHYSICAL VERIFICATION OF VISUAL OBSERVATIONS ONLY THAT DEPICTED ITEMS ARE PHYSICALLY INSTALLED IN THEIR RELEVANT LOCATIONS

1993

TION

ITE WITHOUT
OF OUTSTANDING
DATA BASE

SEE PREV REV		DATE		REV	
ART	10/93	10/93	10/93	10/93	10/93
REV	OF	DATE	DATE	DATE	DATE
01	1	10/93	10/93	10/93	10/93
APPROVALS BY/DATE			APPROVALS BY/DATE		
ONS			ONS		
DCODE 2J:18M:ACD:11.0:NN			DCODE 2J:18M:ACD:11.0:NN		
U.S. DEPARTMENT OF ENERGY Richland Operations Office Westinghouse Hanford Company					
IEFD-LIQUID WASTE HANDLING AND DECONTAMINATION FACILITY					
DATE	SCALE	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS	NO. OF SHEETS
F 2706-T	NONE	7000/7004	H-2-91264	2	2
PROJECT C-137			PROJECT C-137		

BILL OF MATERIAL

Sheet 1 of 1

Work Request No. 27-93-0747 B.O.M. Suppl. _____
 ECN No. _____
 Title/End Use Replace ~~Gasket~~ to Valve
at
 Cost Code A3M76

DELIVERY

Date 12-16-93 Desired
 Mandatory

Delivery Location _____

EMERGENCY JUSTIFICATION

ITEM	QTY	UNIT	DESCRIPTION/SPECIFICATION <small>Attach Drawing, Specifications, Catalog Cuts, etc. If applicable include all quality documentation requirements.</small>	EST. COST	IMPACT LEVEL	QC APPROVAL	STOCK NO. STORAGE LOCATION	SOURCE/ DOCUMENT NO. PR/PO/SO
1	1	EA	VALVE 2" S.S Flanged BALL 150# RAISED FACE CF 8M 680 S.V.F. INC.		3/30		From Storage Convenient	Green TAG ATTACHED
2	AS Req		Gasket MAIL GARLOCK 3000 1/8" THK		4		IN Stock	

SPECIAL INSTRUCTIONS, INSPECTION REQUIREMENTS

[Large handwritten signature]

Issued to
 Carl Leach 12/20/93

<u>Cl Leach</u>	<u>12-16-93</u>	<u>T3-25</u>	<u>3-3030</u>
<small>Planner/PIC</small>	<small>Date</small>	<small>MSIN</small>	<small>Phone</small>
<u>Elaine Holmboe</u>	<u>12/20/93</u>	<u>T325</u>	<u>3-9202</u>
<small>Quality Engineering</small>	<small>Date</small>	<small>MSIN</small>	<small>Phone</small>
<small>Material Coordinator</small>	<small>Date</small>	<small>MSIN</small>	<small>Phone</small>
<u>John Paul</u>	<u>12/20/93</u>	<u>T3-28</u>	<u>3-5384</u>
<small>Other</small>	<small>Date</small>	<small>MSIN</small>	<small>Phone</small>

211-T FITNESS-FOR-USE-EVALUATION - LEAK TEST

Inspector Name: <i>Paul Crane</i>	Date of Test: <i>12/27/93</i>
Initial Liquid Level (in.):	<i>135 1/4"</i>
Time at Initial Recording (hr./min.):	<i>1314 hrs</i>
Final Liquid Level (in.):	<i>135 1/8"</i>
Time at Final Recording (hr./min.):	<i>1335 hrs</i>
Change in Liquid Level (in.):	<i>0</i>

If Applicable, identify the nature and completion date of corrective actions performed as a result of the leak test:

NO CORRECTIVE ACTIONS APPLICABLE.

Comments: READINGS: INITIAL TAKEN ON 12/27/93

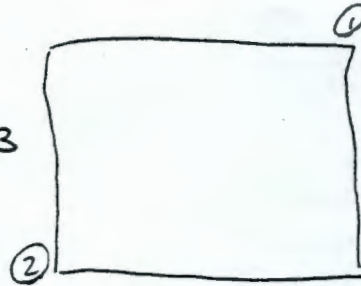
<p><i>1ST READING - 1309 - 135 1/4"</i></p> <p><i>2ND READING - 1311 - 135 1/8"</i></p> <p><i>3RD READING 1313 - 135 1/8"</i></p> <p><i>4TH 1314 - 135 1/8"</i></p> <p><i>5TH READING 1315 - 135 1/8"</i></p>	<p>LOCATION 1 - Corner (crack) toward T Plant entrance</p> <p>LOCATION 2 - Opposite corner</p>
---	--

READINGS - FINAL TAKEN ON 12/28/93
POSITION 2 USED.

1ST READING 1335 - 135 1/8"

2ND READING 1335 - 135 1/8"

3RD READING 1336 - 135 1/8"



Pump

WITNESSED BY:
[Signature]
L. T. BLANKFORD 12/28/93

Inspector Signature: *[Signature]*

Date: *12/28/93*

BACKGROUND

Upgrades to the existing T Plant tank system necessary to meet current dangerous waste tank system requirements were initially proposed to establish the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) M-32-03 interim milestone and associated target actions. Because of the time required for completion of the upgrades (scheduled completion date: September 1999), the Washington State Department of Ecology (Ecology) T Plant unit manager, Mr. Casey Ruud, requested that additional interim actions be added to ensure safe operation of the tank system until the upgrades are completed. Approval of T Plant's interim status expansion request was contingent upon Ecology's agreement of the proposed T Plant Tri-Party Agreement interim milestone target actions.

A meeting was held with Ecology at T Plant on August 26, 1993 to discuss these proposed interim actions. One interim action (proposed target action M-32-03-T01) was to "implement a periodic visual inspection and static leak test program for the 2706-T and 211-T sumps" by October 1993. Ecology representatives had no specific comments regarding the intent or content of this proposed action. Following Ecology's approval of the proposed actions, T Plant's interim status expansion was approved on September 8, 1993.

The Westinghouse Hanford Company (WHC) and the Department of Energy, Richland Operations Office (RL) transmitted a letter to Ecology on November 2, 1993 documenting completion of proposed target action M-32-03-T01. On December 2, 1993, Mr. Ruud inspected T Plant to verify closure of the action. On December 7, 1993, Ecology transmitted a letter stating that the intent of the target action was not met and that the T Plant Part A Permit Application would be revoked if several actions were not completed by December 15, 1993.

DESCRIPTION OF 2706-T AND 211-T SUMPS

The T Plant complex consists of several facilities which include the 2706-T Facility, the 211-T sump, and the 221-T Canyon Facility. The 2706-T Facility contains an automotive sump and a large railroad sump over which decontamination activities are performed. The floor of the automotive sump is sloped to a central drain, which is connected to the adjacent railroad sump. Effluent from the automotive sump drains and accumulates in the railroad sump. Currently, the liquid which accumulates in the railroad sump is primarily from precipitation which accumulates on an adjacent pad and also drains to the sump. Daily liquid levels are recorded on the railroad sump. The railroad sump floor is sloped towards the center where two small sumps are located. Waste liquid in the 2706-T sumps is then pumped to the 211-T sump (adjacent to the 2706-T Facility). From the 211-T sump, the waste is pumped to the 221-T Facility for transfer to the tank farms for disposal. The 211-T sump is a small transfer sump which was originally designed to allow solids to settle from the waste stream prior to transfer to the 221-T tank system.

COMPLETION OF PROPOSED TARGET ACTION

Proposed Tri-Party Agreement target action M-32-03-T01 has been completed. This proposed target action required implementation of a periodic visual inspection and static leak test program for 2706-T and 211-T tanks by October 31, 1993. As discussed in the November 2, 1993 letter from J. M. Hennig, RL, to R. F. Stanley, Ecology, a program to conduct visual inspection and static leak testing of the tanks was implemented. The first visual inspection of the sumps was completed, and in accordance with the implementing procedure, the first static leak test will be completed when sufficient liquid has been accumulated in the tank system. This will eliminate the need to generate additional dangerous waste, via water additions, to complete the test.

The visual inspections were documented on inspection logs identifying each of the items inspected and the results of the inspections. While the visual inspections were conducted in accordance with a draft procedure, WHC and RL believe early completion of visual inspections (i.e. by August 5, 1993) was a prudent action. The inspection of 2706-T was completed last summer to take advantage of the waste transfer conducted on August 5, 1993 which left the large 2706-T sump empty and allowed maximum visibility of the sump floor. Because the sump has held liquid since completion of the August inspection, no new visual inspection could have been conducted prior to October 31, 1993 without transfer of the liquids from the sumps. This would preclude accumulation of the liquids necessary to complete the leak test.

During the visual inspection of the 2706-T sump, it was noted that a thin layer of dirt and debris was present on the sump floor. The small amount of dirt and debris did not, however, preclude the inspector from evaluating the general structural condition of the sump. It is important to note that the visual inspection is performed only to identify the presence or absence of significant visible structural degradation which would obviously affect the fitness of the sump for continued use. Nothing was noted during the inspection indicating significant structural deterioration. The leak test, however, will provide a more quantitative evaluation of the sump's ability to adequately contain liquids.

The 211-T sump visual inspection was completed on July 7, 1993. The sump was emptied to the maximum extent practical by transferring the contents into the 221-T tank system prior to the inspection. As noted on the inspection log, the sump "looks to be in good shape, free of deterioration." Nothing was noted during the inspection indicating significant structural deterioration or that a more intensive inspection was warranted.

Leak tests could not have been completed on the sumps by October 31, 1993, as insufficient waste liquids had accumulated in the tank system to perform the test. Again, in accordance with the approved procedures developed to implement this program, leak tests were planned to be conducted when the sump level was high (i.e., before transfer to 221-T). This would result in a meaningful leak test and eliminate the need to generate additional wastes by adding water to the sumps to complete the tests.

The following pages provide a discussion of the actions Ecology has required to be completed as documented by the December 7, 1993 letter.

DISCUSSION OF ECOLOGY'S 12/15/93 REQUIRED ACTIONS

►Modify as necessary visual inspection and leak test desk instructions.

Ecology's December 7, 1993 letter does not recommend specific modifications to the desk instruction. WHC and RL are willing to address specific Ecology concerns with the desk instructions.

►Perform leak test of 211-T sump.

Performing a leak test of the 211-T sump prior to October 31, 1993, would have required that additional liquid waste be transferred from the 2706-T sump, which would further delay leak testing of the 2706-T sump, or the addition of water to the sump, which will generate additional wastes.

As discussed with Mr. Ruud during his December 2, 1993, inspection of T Plant, additional repair and testing of the 211-T sump transfer line was required prior to use. The transfer line failed a leak test conducted on August 12, 1993. Failure was most likely due to leakage downstream of an in-line valve. T Plant would not initiate use of the line until necessary repairs were completed and a successful leak test was completed. At that time, adding additional liquids was not prudent because unconventional methods would have been required to remove the liquids from the sump if required (e.g., to perform visual inspection or initiate repair).

Repair of the transfer line was completed on December 29, 1993. Because it was noted that the level of the 211-T sump was sufficient and that liquid would need to be pumped from the sump to test the repaired transfer line, a leak test was performed on December 27 and 28, 1993. Results of the leak test were positive.

It is anticipated that future sump tests will be completed concurrently. T-Plant operations are made more efficient and leak testing conditions are more effective by leak testing both the 211-T and the 2706-T sumps sequentially. Following completion of the 2706-T test, liquid can be transferred to the 211-T sump. This will allow testing of both the 2706-T sump and the 211-T sump at maximum operating liquid levels, which will provide the most desirable leak test conditions.

►Initiate leak testing of the 2706-T sump, but only if sufficient liquid exists.

This requirement is consistent with plans identified in our November 2, 1993 correspondence. This action supports waste minimization by not requiring that additional water be added to the tank system, which would generate additional regulated waste. Because it is anticipated that the sump level will be highest by the end of February 1994 (due to increased winter precipitation), a leak test of the 2706-T sump will be completed at that time. The sump will be operated to maintain a level below that at which the leak test is performed. If a higher level is required, additional leak testing will be performed to establish a new boundary. Daily liquid level monitoring will continue.

►Empty and clean out, as necessary, 211-T sump.

While it may be desirable to completely empty and clean out the 211-T sump for inspection, this action is not appropriate at this time. To completely empty and clean the 211-T sump, an alternate waste transfer method to remove the tank heel; personnel entry into a confined space; and additional radiological exposure would be required.

The visual inspection did not indicate any degradation in the structure or the lining of the 211-T sump. Following completion of the leak test, it will be determined whether further action is justified. The leak test completed on December 28, 1993, indicated that no repair is warranted at this time.

►Perform visual inspection of 211-T sump.

On July 7, 1993, a visual inspection of the 211-T sump was performed. The visual inspection and leak test desk instructions call for the 211-T sump to be emptied "to the maximum extent practical by transferring the contents into the 221-T tank system." The desk instruction also states that "because the 211-T sump is classified as a confined space, entry will only be required when repair is necessary or when cracks or deterioration are noted which require further evaluation."

It is important to note that the visual inspection is performed only to identify the presence or absence of significant visible structural degradation which might affect the fitness of the sump for continued use. Nothing was noted during the inspection indicating significant structural deterioration which would warrant entry into the sump. The leak test, however, provides a more quantitative evaluation of the sump's ability to adequately contain liquids.

►Initiate corrective action for poor coating of 2706-T sump.

The proposed Tri-Party Agreement target action M-32-03-T06, "Complete scheduled upgrades to T Plant tank system (Project W-259)," addresses the schedule for completion of upgrades to the 2706-T sump. Corrective action will be undertaken, as necessary, in the event that future inspections, leak tests, or daily level monitoring of the sump warrant action.

►Report to the Ecology Unit Manager the status of these corrective actions.

Transmittal of this letter documents the WHC/RL report to the Ecology T Plant Unit Manager.

DISCUSSION OF ECOLOGY'S 1/15/94 REQUIRED ACTIONS

While WHC and RL do not believe these actions address regulatory compliance issues, the following discussion is provided.

►*Repair the backflow preventer leaking to the 2706-T sump.*

The leaking 2706-T backflow preventer was repaired on December 3, 1993; however, a small amount of leakage has again been noted. T Plant engineers have investigated further repair actions to the backflow preventer with the manufacturer (Hersey). Additional parts are being procured to repair the backflow preventer per the manufacturer's instructions.

►*Repair the leak detection device for 2706-T.*

The 2706-T leak detection device shall be repaired as quickly as practical; however, as discussed during Mr. Ruud's December 2, 1993 inspection of T Plant, dangerous waste tank system leak detection requirements are met as 2706-T tank levels are being recorded manually on a daily basis. In addition, repair of the device requires that the sump be emptied, which would preclude accumulation of sufficient liquids to complete the 2706-T leak test.

►*Report on the progress of installing or instituting leak detection for the 211-T sump.*

The status of target action M-32-03-T05, "Install level indication device for 211-T Tank," remains as discussed in the December 1, 1993 T Plant Unit Manager's meeting. We remain on schedule to complete this action by June 1994.

DESK INSTRUCTION FOR VISUAL INSPECTIONS OF 211-T AND 2706-T SUMPS

Effective Date: 10/06/93

REVISION 0

1.0 PURPOSE

The purpose of this desk instruction is to define the actions taken by the T Plant Environmental Control Group (ECG) to complete periodic visual examination of the 211-T and 2706-T sumps. The inspections are necessary to verify the fitness of the sumps for continued use.

2.0 SCOPE

This desk instruction applies only to the ECG and addresses visual inspection of the T Plant 211-T and 2706-T sumps.

3.0 RESPONSIBILITIES

Environmental Control Group - The ECG has the primary responsibility for implementation of this desk instruction. The ECG responsibilities shall include coordination of the surveillance and maintenance of records resulting from the surveillance.

Engineering Group - The Engineering Group, where requested, will provide support to the ECG in conducting the inspection. In the event that repairs to the sump(s) are deemed necessary, the EG will take primary responsibility for completion of the repairs.

Operations Group - The Operations Group (OPS), as necessary, will provide support to the ECG in completing the inspection (e.g., sump access, liquid transfer). An OPS representative will accompany ECG during the inspection. An OPS representative trained in confined space entry shall supervise entry into the sumps.

4.0 DISCUSSION/BACKGROUND

The 211-T and 2706-T sumps are single-walled, below-grade, concrete sumps used to accumulate liquid and solid wastes from T Plant low-level decontamination activities.

Two large interconnected sumps, the automotive and rail sump, are located in the 2706-T low-level decontamination facility. The 211-T sump, located to the southeast of the 2706-T facility, is used to transfer liquid wastes from the 2706-T sump system to the 221-T tank system. Because the sumps have been used to manage Resource Conservation and Recovery Act listed wastes in the past, the liquids accumulated are designated as mixed waste.

5.0 TOOLS/EQUIPMENT

The following tools and equipment are necessary for completion of the sump inspection:

- 2706-T Sump Fitness-For-Use Evaluation - Visual Inspection Log
- 211-T Sump Fitness-For-Use Evaluation - Visual Inspection Log
- Portable light source

6.0 INSTRUCTIONS

The following sub-sections provide direction to the ECG for completion of 2706-T and 211-T sump inspections; however, due to the nature of the test, many of the steps must be completed by T Plant Operations personnel.

6.1 2706-T Sump Inspection:

The following steps should be followed for completion of the 2706-T sump visual inspection.

- Empty the sumps by transferring the contents into the 221-T tank system. In the event that debris obscures vision of the sump walls or floor, clean the interior surface of the sump to the extent practical to allow adequate inspection.
- Enter each sump and visually **INSPECT THE ENTIRE INTERIOR SURFACE** (including all the walls and floor). Particular attention shall be given to seams, joints, corners, or areas where general deterioration is noted. Document the results of the sump inspection on the appropriate form.

NOTE: An OPS representative trained in confined space entry must be supervise entry into the sump.

- The following items shall be noted during inspection of the sump:
 - The amount of liquid remaining in the sump at the time of inspection.
 - Any remaining debris that obscures vision of the sump walls or floor.
 - A statement of the overall condition of the sump.
 - Any visible cracks in the structure and an assessment as to the extent of depth of the cracks, if present.
 - Any areas where spalling, chipping, erosion, or signs of general deterioration is present.
- The T Plant ECG and T Plant Engineering shall specify the appropriate repair actions, if needed, to be completed prior to approval of operation. Document the actions, if necessary, taken to repair the system on page 2 of the inspection data sheet.
- Inspect any areas where repair has been completed to document adequacy of the repair action.
- The completed inspection log shall be reviewed and approved prior to operation of the sump to accumulate liquid wastes.
- Sign and date the inspection data sheet.

6.2 211-T Sump Visual Inspection

The following steps should be followed for completion of the 211-T sump visual inspection:

- Empty the sump to the maximum extent practical by transferring the contents into the 221-T tank system. Manual bypass of the automatic pump actuator will be required to ensure all the possible liquids have been removed.
- Remove the sump cover to allow visual access.
- Because the 211-T sump is classified as a confined space, entry will only be required when repair is necessary or when cracks or deterioration are noted which require further evaluation. Using an adequate light supply, visually **INSPECT THE ENTIRE INTERIOR SURFACE** (including all the walls and floor). Particular attention shall be given to seams, joints, corners, or areas where general deterioration is noted. Document the results of the sump inspection on the appropriate form.

- The following items shall be noted during inspection of the sump:
 - The amount of liquid remaining in the sump at the time of inspection.
 - Any remaining debris that obscures vision of the sump walls or floor.
 - A statement of the overall condition of the sump.
 - Any visible cracks in the structure and an assessment as to the extent of depth of the cracks, if present.
 - Any areas where spalling, chipping, erosion, or signs of general deterioration is present.
- The T Plant ECG and T Plant Engineering shall specify the appropriate repair actions, if needed, to be completed prior to approval of operation. Document the actions, if necessary, taken to repair the system on page 2 of the inspection data sheet.
- Inspect any areas where repair has been completed to document adequacy of repair action.
- The completed inspection log shall be reviewed and approved prior to operation of the sump to accumulate liquid wastes.
- Sign and date the inspection log.

6.3 Schedule:

The 2706-T and 211-T sumps shall be inspected in accordance with this desk instruction at least 2 times per year while operating.

7.0 RECORDS/DOCUMENTATION

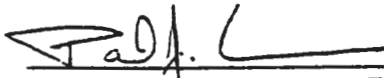
The following records shall be maintained by the ECG:

- Copies of completed inspection log sheets
- Records of actions taken to correct deficiencies noted during the inspections.

8.0 REFERENCES

None

9.0 APPROVAL



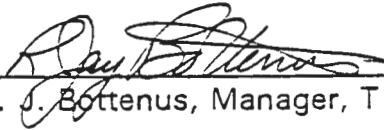
P. J. Crane, Manager, T Plant Environmental Control

Date: 10/6/94



W. Smith, Manager, T Plant Operations

Date: 10-6-93



R. J. Bottenus, Manager, T Plant Engineering

Date: 10/6/93

2706-T SUMP FITNESS-FOR-USE EVALUATION - VISUAL INSPECTION Pg 1 Of

Inspector Name:

Date of Inspection:

CLEANLINESS OF SUMP AT TIME OF INSPECTION

YES

NO

Is sump free of liquid or sludge?

Is sump free of debris or waste on floor or walls?

If applicable, describe the amount and type of liquid, sludge, or debris remaining in sump:

Comments:

CONDITION OF SUMP

YES

NO

Is sump free of visible cracks in walls or floor?

Is sump free of visible chipping, wear, or deterioration?

Is sump free of visible structural damage?

Describe the overall condition of the sump:

If applicable, identify the location and degree of cracks, deterioration, or structural damage:

Comments:

Inspector Signature:

Date:

2706-T FITNESS-FOR-USE EVALUATION-VISUAL INSPECTION

Inspector Name:

Date of Inspection:

Repair Actions

YES

NO

Are any repair action necessary prior to operations?

Identify the repair actions necessary:

Comments:

Have repair items been completed satisfactory?

Identify the completion dates for corrective actions:

Comments:

ADDITIONAL COMMENTS/NOTES:

Inspector signature:

Date:

211-T SUMP FITNESS-FOR-USE EVALUATION - VISUAL INSPECTION

Inspector Name:

Date of Inspection:

CLEANLINESS OF SUMP AT TIME OF INSPECTION

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Is sump free of liquids or sludge?

Is sump free of debris or waste on floor or walls?

If applicable, describe the amount and type of liquid, sludge, or debris remaining in sump:

Comments:

CONDITION OF SUMP

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Is sump free of visible cracks in walls or floor?

Is sump free of visible chipping, wear, or deterioration?

Is sump free of visible structural damage?

Describe the overall condition of the sump:

If possible, identify the location and degree of cracks, deterioration, or structural damage:

Comments:

Inspector Signature:

Date:

211-T SUMP FITNESS-FOR-USE EVALUATION - VISUAL INSPECTION

Inspector Name:

Date of Inspection:

REPAIR ACTIONS

YES	NO
-----	----

Are Repair actions necessary prior to operations?

Identify the repair actions necessary:

Comments:

Have repairs been completed satisfactory?

Identify the completion dates for corrective actions:

Comments:

ADDITIONAL COMMENTS/NOTES:

Inspector Signature:

Date:

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2. Originator X LEACH, CA Signature Date Telephone No.
12/28/93 3-3030

3. WCN Number 06 Non-ADP WCN Number

4. Change Instructions

Page Step/Para Description

ADD TO WCN 05

PAGE 3 STEP 13A

ELECTRICIANS TO POSITION BREAKERS AN SWITCHES FOR PUMPS
AS NEEDED TO SUPPORT LIQUID TRANSFER ACTIVITIES.

PAGE 3 STEP 13B

2 CRAFT TO TORQUE NUTS AND BOLTS OF 2" BALL VALVE INSTALLED
AT 211-T PIT.

*****QUALITY CONTROL HOLD POINT*****

CRAFT TO TORQUE NUTS AND BOLTS TO 80 FT.LBS WITH
A CALIBRATED TORQUE WRENCH.

13 THE COGNIZANT QUALITY CONTROL INSPECTOR WILL VERIFY THAT THE
TORQUEING PRESCRIBED MEETS 80 FT. LBS.. ALSO, THE QUALITY
CONTROL INSPECTOR WILL VERIFY THAT THE DEVICE USED TO TORQUE
IS CALIBRATED.

Q.C TO RECORD TORQUE WRENCH NO. 815-88-01-015

Q.C.TO RECORD CALIBRATION DUE DATE 1-28-94

Q.C. SIGNATURE [Signature] DATE 12-29-93

*****END OF HOLD POINT*****

5. Reason for Change

VALVE LEAKED WITH 40 FT LB. TORQUE

6. Impact Level of Change/Approval Requirements 3-Q

7. Approval Signatures

	Signature	Date
Cognizant Engineer	X BLACKFORD, LT	12/28/93
Cognizant Manager	X BOTTENUS, RJ	12/28/93
Environmental Assurance	N/A	_____
Health/Safety Assurance	N/A	_____
Quality Assurance	X POWELL, BR	12/29/93
Operations	X LAUREN, LL	12/28/93
PIC	X JOHNSON, RC	12/28/93
Other		

Signature Date Telephone No.

*** RECORD COPY ***

*** RECORD COPY ***

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

Page: 2

08:00:24 29 DEC 1993

1. Document Number 2T-93-00747/W *GENERIC WORK ITEM*
Work Item Title 211-T CHEM TRANSFER LINE VALVE

8. Incorporated By X LEACH,CA

12/29/93 3-3030

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

*** RECORD COPY ***

*** RECORD COPY ***

1. Document Number 2T-93-00747/N GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

POWER (ANY ELECTRICAL POWER WILL BE GFCI PROTECTED), BREATHING AIR LINES, TOOLS, ETC. ALL TOOLS, EQUIPMENT AND MATERIALS TO BE SURVEYED BEFORE REMOVAL FROM DESIGNATED RCA ZONE. IF DECON IS NEEDED, BAG AND REMOVE TO 2706-T FOR APPROPRIATE DECON. DECON AS NEEDED.

7 PLASTIC APRON TO BE INSTALLED WITH BONNET LARGE ENOUGH TO TRAP AND CONTAIN RESIDUAL LIQUID WHEN PIPING IS BREACHED.

8 PIPE CONNECTION TO BE LOOSENED ENOUGH TO BREACH CONTAINMENT FOR HPT SURVEY

*****HPT HOLDPOINT*****

AFTER THE LINE HAS BEEN OPENED, THE LINE HAS BEEN SURVEYED AND FOUND TO BE FREE OF REMOVABLE

CONTAMINATION (~~<220 D/M~~ ^{150 C/M} ~~<2,200 D/M PER 100SQ. CM.~~)

HPT SIGNATURE *ER* DATE 12-21-93

*****END OF HPT HOLD POINT*****

9 AFTER HOLD POINT OF PREVIOUS STEP HAS BEEN SIGNED, CRAFT TO, UNBOLT, AND REMOVE EXISTING 2" STAINLESS VALVE AND GASKETS.

10 CRAFT TO CLEAN FLANGE FACES OF PIPING AND PREPARE PIPE & VALVE ENDS AS NEEDED TO INSTALL REPLACEMENT VALVE.

11 CRAFT TO INSTALL 2" STAINLESS VALVE THAT HAS BEEN ACCEPTED BY Q.C. PER STEP 1. INSTALL FLANGE GASKETS FABRICATED PER STEP 2. UTILIZE EXISTING NUTS AND BOLTS.

12 ENSURE PROPER ALIGNMENT OF FLANGED CONNECTIONS AND TIGHTEN BOLTS/NUTS, USING ROTATION METHOD.

*****QUALITY CONTROL HOLD POINT*****

CRAFT TO TORQUE NUTS AND BOLTS TO 40 FT.LBS WITH A CALIBRATED TORQUE WRENCH.

13 THE COGNIZANT QUALITY CONTROL INSPECTOR WILL VERIFY THAT THE TORQUEING PRESCRIBED MEETS 40 FT. LBS.. ALSO, THE QUALITY CONTROL INSPECTOR WILL VERIFY THAT THE DEVICE USED TO TORQUE IS CALIBRATED.

Q.C TO RECORD TORQUE WRENCH NO. 815-88-01-015

Q.C. TO RECORD CALIBRATION DUE DATE 01-28-94.

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

Page: 3

10:38:52 21 DEC 1993

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

Q.C. SIGNATURE [Signature] DATE 12-21-93

*****END OF HOLD POINT*****

14 PLACE PAN OR BUCKET BENEATH VALVE TO CATCH ANY POSSIBLE LIQUID LEAK FROM LEAK TESTING. (PLASTIC PAN) WITH ABSORBANT.

* 15 CONNECTIONS TO BE INSPECTED FOR ANY VISIBLE LEAKAGE DURING THE INITIAL OPERATION OF TRANSFER LINE SYSTEM. Q.C. TO BE CONTACTED TO BE PRESENT WHEN TRANSFER TAKES PLACE.

*****Q.C. HOLD POINT*****
THE COGNIZANT QUALITY CONTROL INSPECTOR WILL PERFORM A VISUAL INSPECTION OF THE VALVE CONNECTIONS TO VERIFY THAT THE FOLLOWING VALVES ARE LEAK FREE.

VALVES

- (1) P-LWD-06-001 (LOCATED IN PIPE GALLERY)
- (2) T-PS-211T-006 (LOCATED AT 211T)
- (3) T-PS-211T-003 (LOCATED AT 211T)

Q.C. SIGNATURE [Signature] DATE 12-29-93

*****END OF Q.C. HOLD POINT*****

16 AFTER PIPING SYSTEM HAS BEEN FOUND ACCEPTABLE FOR USE, REMOVE PAN/BUCKET.

17 CRAFT TO RIG SLEEVE AND EXTENSION HANDLE. CONNECT VALVE EXTENSION HANDLE TO VALVE STEM.

18 MATERIALS/EQUIPMENT/TOOLS ARE TO BE SURVEYED AND RELEASED PRIOR TO REMOVAL FROM RCA/SCA ZONES SEE ATTACHED EC STATEMENT FOR CLARIFICATION ON REMOVAL OF VALVE.

19 DOCUMENT WORK PERFORMED ON ATTACHED J-5. POST JOB MEETING HELD AND DOCUMENTED ON ATTACHED POST JOB MEETING SHEET.

***** QC HOLD POINT *****
THE COGNIZANT QUALITY CONTROL INSPECTOR WILL PERFORM A RECORD REVIEW OF THIS WORK PACKAGE FOR COMPLETENESS.

QUALITY CONTROL [Signature] DATE 12-29-93

*****END OF QC HOLD POINT*****

5. Reason for Change
REPLACE GATE WITH BALL VALVE

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

1. Document Number 2T-93-00747/W *GENERIC WORK ITEM*
Work Item Title 211-T CHEM TRANSFER LINE VALVE

6. Impact Level of Change/Approval Requirements 3-Q

7. Approval Signatures	Signature	Date
Cognizant Engineer	X ANDERSON,SP	12/17/93
Cognizant Manager	X BELCHER,JT	12/20/93
Environmental Assurance	N/A	
Health/Safety Assurance	N/A	
Quality Assurance	X POWELL,BR	12/21/93
Operations	X LAUREN,LL	12/17/93
PIC	X JOHNSON,RC	12/20/93
Other		

8. Incorporated By	Signature	Date	Telephone No.
X LEACH,CA		12/21/93	3-3030

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2. Originator X LEACH,CA Signature
Date Telephone No. 12/13/93 3-3030


3. WCN Number 04 Non-ADP WCN Number

4. Change Instructions

Page Step/Para Description
ADD TO J-4A ADD TO STEP 7.13B
STEPS FOR FABRICATION OF EXTENSION VALVE HANDLE
CRAFT TO PERFORM WELDING PER ATTACHED WELD PROCEDURE
WHC-W-SD-MA-SPP-001 REV 2-C. WELDING AND
FABRICATION TO BE AT CRAFT DISCRETION. CRAFT TO
DRAW AND ATTACH SKETCH OF HANDLE, SHOWING HANDLE
CONFIGURATION LOCATION OF WELDING PERFORMED.

5. Reason for Change
TO CLARIFY WELDING TO BE PERFORMED

6. Impact Level of Change/Approval Requirements 4-

7. Approval Signatures	Signature	Date
Cognizant Engineer	X BLACKFORD,LT	12/13/93
Cognizant Manager	X AYERS,WS	12/13/93
Environmental Assurance	N/A	_____
Health/Safety Assurance	N/A	_____
Quality Assurance	N/A	_____
Operations		12/13/93
PIC	X LEACH,CA	12/13/93
Other		

8. Incorporated By X LEACH,CA Signature
Date Telephone No. 12/13/93 3-3030

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

=====

DRAINAGE BECOMES EXCESSIVE, CONTROL AND REMOVAL OF DRAINAGE WILL BE PER DIRECTION OF P.I.C., AIR MONITORING PERSON AND HPT. A PLASTIC APRON WILL REMAIN AT VALVE LOCATION UNTIL HYDRO-TESTING HAS BEEN COMPLETED

ADD TO STEP 7.18


*****QUALITY CONTROL HOLD POINT*****

CRAFT TO TORQUE NUTS AND BOLTS TO 40 FT.LBS WITH A CALIBRATED TORQUE WRENCH.

- 1. THE COGNIZANT QUALITY CONTROL INSPECTOR WILL VERIFY THAT THE TORQUING PRESCRIBED MEETS 40 FT. LBS.. ALSO, THE QUALITY CONTROL INSPECTOR WILL VERIFY THAT THE DEVICE USED TO TORQUE IS CALIBRATED.

Q.C TO RECORD TORQUE WRENCH NO. 815-88-01-015

Q.C.TO RECORD CALIBRATION DUE DATE 01-28-94

Q.C. SIGNATURE WB  DATE 12-13-93

*****END OF HOLD POINT*****

ADD TO STEP 7.21

AFTER PLASTIC WRAP IS REMOVED, RIG SLEEVE IN A POSITION TO CONNECT EXTENSION HANDLE TO VALVE. CONNECT HANDLE AND SET SLEEVE IN POSITION.

CHANGE TO STEP 7.25

CHANGE LAST SENTENCE TO READ " SUPPORT SLEEVE AS NEEDED TO KEEP IT CENTERED AND PLUMBED WHILE HOLE IS BEING FILLED. TAKE CARE TO KEEP SLEEVE PROPERLY POSITIONED WHILE HOLE IS BEING FILLED.

5. Reason for Change

STEPS TO REMOVE SLEEVE; ADDITIONAL PRE-CAUTIONARY STEPS BEFORE BREACHING PIPE SYSTEM.

6. Impact Level of Change/Approval Requirements -

7. Approval Signatures

Cognizant Engineer

X BLACKFORD, LT

Date 12/10/93

Cognizant Manager

X BOTTENUS, RJ

12/10/93

Environmental Assurance

N/A

Health/Safety Assurance

N/A

Quality Assurance

B.R. BOWELL PER TEL COMM C.A.C. 12.10.93 11:17 AM.

Operations

[Signature]

12/10/93

PIC

X [Signature]

12/10/93

HP

12/10/93

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

*** RECORD COPY ***

*** RECORD COPY ***

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

Page: 3

11:06:57 10 DEC 1993

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

Other

8. Incorporated By X LEACH,CA

Signature
Date Telephone No.
12/10/93 3-3030

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

*** RECORD COPY ***

*** RECORD COPY ***

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

Page: 1

10:43:38 30 NOV 1993

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2. Originator Signature Date Telephone No.
 X EMERICK,SK 11/30/93 373-4227

3. WCN Number 02 Non-ADP WCN Number

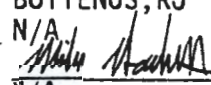
4. Change Instructions

Page	Step/Para	Description
THIS SUPERSEDES J-7 01		
3	6.2	REPLACE SAMPLE TECHNICIAN WITH HP TECHNICIAN
6	7.14	ELIMATE <220 D/M/<2200 D/M PER 100SQ. CM PER HP REQUEST.
7	7.22	ELIMATE <220 D/M/<2200 D/M CM SQ. PER HP REQUEST

Air Monitoring CAL 12-1-93
12-1-93

5. Reason for Change
RECLARIFICATION FROM HP REPRESENTATIVE.

6. Impact Level of Change/Approval Requirements 4-

7. Approval Signatures	Signature	Date
Cognizant Engineer	X ANDERSON, SP	11/30/93
Cognizant Manager	X BOTTENUS, RJ	11/30/93
Environmental Assurance	N/A	
Health/Safety Assurance HPT		11/30/93
Quality Assurance	N/A	
Operations	X LAUREN, L	11/30/93
PIC	X QUIGLEY, K	11/30/93
Other	N/A	

8. Incorporated By Signature Date Telephone No.
  11/30/93 373-4227

=====J-7 WORK CHANGE NOTICE - Detail (W175)=====

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2. Originator X EMERICK, SK Signature
Date 11/30/93 Telephone No. 373-4227

3. WCN Number 01 Non-ADP WCN Number N/A

4. Change Instructions	Page	Step/Para	Description
	3	6.2	REPLACE SAMPLE TECHNICIANS WITH HP TECHNICIANS
	6	7.14	ELIMATE 200 DP PER HP INSTRUCTION
	7	7.22	ELIMATE 200 DM PER HP INSTRUCTION

5. Reason for Change
HP REQUESTED CHANGES TO CLARIFY WORK INSTRUCTIONS

6. Impact Level of Change/Approval Requirements 4-

7. Approval Signatures	Signature	Date
Cognizant Engineer	X ANDERSON, SP	11/30/93
Cognizant Manager	X BOTTENUS, RJ	11/30/93
Environmental Assurance	N/A	
Health/Safety Assurance	N/A	
Quality Assurance	N/A	
Operations	X LAUREN, L	11/30/93
PIC	X QUITLEY, K	11/30/93
Other	HPT <i>[Signature]</i> (HPT)	11/30/93

8. Incorporated By _____ Signature _____ Date _____ Telephone No. _____

T-25-211-T-00

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE -

3. Resolution

1.0 Purpose

TO PERFORM REPAIRS, INCLUDING REPLACEMENT OF 2" ISOLATION VALVE OF CHEMICAL TRANSFER LINE AT 211-T

2.0 References

WHC-CM-1-3 WHC Management Requirements and Procedures

WHC-CM-1-6 WHC Radiological Control Manual

WHC-CM-4-3 WHC Industrial Safety Manual

~~WHC-CM-4-40 SECT 3.1 CONFINED SPACE ENTRY~~ N/A CAL 12-1-93

ASME B31.1 Pressure Piping Code

DRWG H-2-31750 PIPING MATERIAL CODE

CM-4-3-CM-8 Excavation, Trenching + Shoring CA C 12-1-93

3.0 PRECAUTIONS AND LIMITATIONS

- 3.1 INFORM OPERATIONS MANAGEMENT AND MAINTENANCE MANAGEMENT IMMEDIATELY IF PROBLEMS ARE ENCOUNTERED WITH THESE WORK STEPS.
- 3.2 IF WORK CANNOT BE PERFORMED AS WRITTEN, STOP WORK. RETURN EQUIPMENT TO SAFE CONFIGURATION AND INFORM MAINTENANCE SUPERVISOR THAT WORK STEPS CANNOT BE PERFORMED AS WRITTEN. INITIATE A CHANGE AS REQUIRED.
- 3.3 THIS PLAN TAKES INTO ACCOUNT QUALIFICATIONS OF CRAFT AND ASSIGNED PIC AND THEREFORE MAY NOT LIST ALL WORK STEPS TO ACCOMPLISH THE TASK. THE PIC IS DESIGNATED AS THE PERSON IN CHARGE TO INSURE THAT THE CRAFT PERFORMS ALL FACETS OF THE TASK SAFELY AND COMPLETES THE JOB EXPEDITIOUSLY TO MEET THE PURPOSE OF THIS PLAN. NO ADDITIONAL WORK MAY BE ACCOMPLISHED OUTSIDE OF THE PURPOSE LISTED ABOVE WITHOUT FORMAL MODIFICATIONS TO THIS PLAN
- 3.4 VERIFY THAT ALL LOCK AND TAG OR OVER-TAGGING REQUIREMENTS HAVE BEEN SATISFIED.
- 3.5 ACCESS TRENCH TO BE DUG AND PREPARED FOR WORK TO BE PERFORMED PER ATTACHED EXCAVATION PERMIT AND STANDARD CM-8 (ATTACHED) OF WHC-CM-4-3.
- 3.6 HPT/OPERATIONS SUPPORT TO BE UTILIZED FOR ALL WORK TO BE PERFORMED.
- 3.7 GOOD HOUSEKEEPING PRACTICES WILL BE UTILIZED AT ALL TIMES FOR WORK TO BE PERFORMED. COMPLY WITH WESTINGHOUSE HANFORD, WASHINGTON DEPARTMENT OF ECOLOGY AND DEPARTMENT OF ENERGY ENVIRONMENTAL STANDARDS, AS APPLICABLE WHEN DISPOSING OF ANY WASTE GENERATED BY THESE STEPS. COMPLY WITH ENVIRONMENTAL CONTROL ASSESSMENT SECTION OF THIS PROCEDURE FOR WASTES INDICATED. IF OTHER TYPES OF WASTES ARE GENERATED,

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

THE T PLANT ENVIRONMENTAL CONTROL GROUP IS TO BE CONTACTED FOR APPROPRIATE INSTRUCTIONS.

3.8 ENSURE THAT WORK PACKAGE, INCLUDING ALL ATTACHMENTS, ARE READ AND UNDERSTOOD BEFORE BEGINNING WORK STEPS. Ensure that all HOLD POINTS have been appropriately SIGNED BEFORE CONTINUING TO NEXT STEP. CHECK FOR POSSIBLE HOLD POINTS ON INSPECTION PLAN (IF Inspection Plan is used). READ AND UNDERSTAND ATTACHED RWP.

4.0 SPECIAL TOOLS AND EQUIPMENT

BACKHOE OR SIMILAR MECH. DIGGING EQUIPMNET

5.0 WASTE MINIMIZATION AND ENVIRONMENTAL CONTROL ASSESSMENT
THE FOLLOWING SUBSTANCES ARE ANTICIPATED TO BE USED TO COMPLETE THIS MAINTENANCE.

CHEMICAL OR PRODUCT NAME	MSDS	INTENDED USE
--------------------------	------	--------------

SEE ATTACHED ENVIORNMENTAL CONTROL ASSESSMENT FORM

THE FOLLOWING WASTE STREAMS ARE ANTICIPATED TO BE GENERATED IN COMPLETION OF THIS WORK. (NUMBER AND IDENTIFY THE CONTAMINANTS FOR EACH ITEM.)

SEE ATTACHED EC FORM

THE FOLLOWING WASTE MINIMIZATION TECHNIQUES WILL BE ADDRESSED.

SEE ATTACHED EC FORM

SPECIAL INSTRUCTIONS

SEE ATTACHED EC FORM

IDENTIFIED WASTE STREAMS	PIN
--------------------------	-----

SEE ATTACHED EC FORM

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

6.0 PREREQUISITES

- 6.1 PRE-JOB MEETING WILL BE HELD AND ATTENDED BY ALL PERSONNEL INVOLVED IN WORK STEPS. THIS MEETING WILL BE DOCUMENTED ON PRE-JOB FORM AND ATTENDANCE SHEET. PRE JOB TO BE DONE ON DAILY BASIS.
- 6.2 AIR SAMPLING TO BE PERFORMED DURING DIGGING. AIR SAMPLES TO BE TAKEN AT ONE FOOT INTERVALS OR AT ~~SAMPLE~~ ^{TECHNICIANS} DISCRETION
- 6.3 EXACATION WILL BE 1:2 SLOPE AS SHOWN ON ATTACHED SKETCH. THIS SLOPE IS DESIGNED TO PROVIDE ADEQUATE MEANS OF ENTRY AND EGRESS.
- 6.4 AN HPT SHALL PERFORM SURVEY AT REGULAR INTERVALS TO SAMPLE SOIL WHILE EXCAVATION IS BEING PERFORMED.
- 6.5 HPT TO PERFORM SURVEY OF PIPING AND PIPING COMPONENTS BEFORE PIPE WORK IS BEGUN
- 6.6 HPT TO PERFORM SURVEY WHEN PIPE CONTAINMENT IS BREACHED BEFORE WORK CONTINUES.
- 6.7 HAVE ALL REQUIRED TOOLS AND MATERIALS ON HAND BEFORE ENTERING PIT FOR WORK TO BE PERFORMED. HAVE FAN BLOWER ON HAND, IN EVENT THAT IT IS NEEDED DURING WORK STEPS.
- 7.0 WORK INSTRUCTIONS

*wcn 92
11/30/93
842*

*CHPT 211-T
200 FIREHOUSE
373 2745*

~~7.1 SIGN TO BE FABRICATED AND POSTED THAT SAYS;
" DANGER CONFINED SPACE
CONFINED SPACE PERMIT REQUIRED FOR ENTRY"
SEE ATTACHED WMC-CM-4-40 3.1 PARA 3.5 FOR MORE INFO~~

N/A CAL 12-1-93

7.2 ALL IMPACT LEVEL 3Q MATERIAL TO BE GATHERED AND STAGED AT A FOR Q.C. INSPECTION. GREEN TAGS TO BE AFFIXED TO THEIR RESPECTIVE COMPONENTS.

*****Q.C. HOLD POINT*****

AT THE POINT OF INSTALLATION THE COGNIZANT QUALITY CONTROL INSPECTOR WILL VERIFY THAT ALL MATERIAL IDENTIFIED BELOW ARE ACCEPTED AND CORRECT.

ITEM	QTY	NONMENCLATURE/DESCRIPTION	QTY ACCEPTED	QC STAMP & DATE
1	1EA	VALVE 2" S.S. FLANGED #150 BOLT BONNET TEFLON PACKING AND GASKET RISING STEMM OS-Y TYPE 304 OR 316		

*123
11/29/93*

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2 8EA BOLTS 5/8" X 4" LONG ALLOY
STEEL HEAVY HEX ASTM A193
GR B7

8 *WB 12-9-93*

3 16EA NUTS 5/8" HEAVY HEX ASTM
A194 GR 4 OR 7

16 *WB 12-9-93*

*****END OF Q.C. HOLD POINT*****

7.3 CRAFT TO MEASURE, LAYOUT AND FABRICATE 2" GASKETS FROM
GARLOCK 3000 MATERIAL PER ATTACHED B.O.M. AT A SUITABLE
LOCATION OUTSIDE OF RCA ZONE TO COMPLY WITH ALARA GOALS.

7.4 VERIFY COMPONENTS TO BE ISOLATED FOR LOCK & TAG
PURPOSES TO ENSURE ZERO ENERGY STATUS. DOCUMENT INFORMATION
ON ATTACHED J-5. BE SPECIFIC.

7.5A CRAFT TO ENSURE ZERO ENERGY STATUS AT 211-T PUMP.
DESIGNATED LOCK AND TAG CUSTODIAN TO APPLY LOCK AND TAG
AT 211-T PUMP.

*****LOCK & TAG HOLD POINT*****
DESIGNATED LOCK & TAG CUSTODIAN TO CONCUR THAT LOCK &
TAG IS IN PLACE.
CUSTODIAN SIGNATURE *J. A. [Signature]* DATE 12-3-93
*****END OF LOCK & TAG HOLD POINT*****

7.5B CRAFT TO ENSURE ZERO ENERGY STATUS AT ~~271-T~~ ^{2706-T SUMP} CONDENSATE PUMP

DESIGNATED LOCK AND TAG CUSTODIAN TO APPLY LOCK AND TAG
AT 2706-T SUMP PUMP #1.

*****LOCK & TAG HOLD POINT*****
DESIGNATED LOCK & TAG CUSTODIAN TO CONCUR THAT LOCK &
TAG IS IN PLACE.
CUSTODIAN SIGNATURE *N/A [Signature]* DATE 12-6-93 *UNIT Removed From Service*
*****END OF LOCK & TAG HOLD POINT*****

7.5C CRAFT TO ENSURE ZERO ENERGY STATUS AT ~~271-T~~ ^{2706-T SUMP} CONDENSATE PUMP

DESIGNATED LOCK AND TAG CUSTODIAN TO APPLY LOCK AND TAG
AT 2706-T SUMP PUMP #2.

*****LOCK & TAG HOLD POINT*****
DESIGNATED LOCK & TAG CUSTODIAN TO CONCUR THAT LOCK &
TAG IS IN PLACE.
CUSTODIAN SIGNATURE *J. A. [Signature]* DATE 12-7-93

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

=====

*****END OF LOCK & TAG HOLD POINT*****

7.6 CRAFT TO TURN VALVE HANDLE OF 2" VALVE TO BE REPLACED TO OPEN POSITION.

7.7 PIPING CONNECTION TO BE LOOSEN AT A SUITABLE LOCATION ABOVE GROUND TO ENURE BREAK OF POSSIBLE VACUUM AND TO CREATE NATURAL DRAINAGE OF PIPE TO SUMP.

7.8 AREA OF EXCAVATION WORK TO BE BARRICADED TO PREVENT UNAUTHORIZED PERSONNEL FROM ENTERING WHERE EQUIPMENT MIGHT BE MOVING AND WHERE TRIPPING AND FALLING HAZARDS MAY EXIST.

7.9 ATMOPHERIC TESTING IS TO BE PERFORMED FOR OXYGEBN, LEL , CARBON MONOXIDE AND ORGANIC VAPORS AT INTERMITANT LEVELS OF EXCAVATION. ANY APPROPRIATE CONTROLS RECOMMENDED BY SAFETY WILL BE IMPLEMENTED(I.E. SUCTION VENTILATOR) BY CRAFT DESIGNATED BY PIC. IF LEVELS ARE FOUND TO BE ABNORMAL, CONTACT INDUSTRIAL HYGIENE OR SAFETY ENGINEER FOR APPROPRIATE ACTIONS TO BE TAKEN.

7.10 RADIOLOGICAL SURVEY WILL BE PERFORMED AT ALL TIMES DIGGING IS BEING PERFORMED. SOIL FOUND TO BE CONTAMINATED WILL BE HANDLED AS WASTE PER DIRECTION OF ENVIORNMENTAL CONTROL. (EC DIRECTION WILL BE ADDRESSED ON ENVIORNMENTAL CONTROL ASSESSMENT FORM WHICH WILL INCLUDE P.I.N. LABELED CONTAINERS, IF CONTAMINATION IS FOUND.)

7.11 EXCAVATION TO BE PERFORMED TO DIG ACCESS WORKING PIT AS NEEDED TO PERFORM REPLACEMENT OF VALVE AT LOCATION PER ATTACHED EXCAVATION PERMIT. EXCAVATION TO BE PERFORMED PER ATTACHED SKETCH. ASPHALT AND DIRT TO BE REMOVED AS NEEDED TO FORM PROPER ACCESS FOR WORK TO BE PERFORMED. TAKE CARE NOT TO UNDERMINE EXISTING STEAM LINE SUPPORT. IF POSSIBILITY OF UNDERMINING SUPPORT IS APPARENT, ENGINEERING IS TO BE CONTACTED FOR RESOLUTION BEFORE DIGGING CAN COMMENCE. AS DIGGING IS BEING PERFORMED, PIPE SLEEVE FOR EXTENSION HANDLE IS TO BE CAREFULLY REMOVED AND SET ASIDE AT SUITABLE LOCATION FOR RE-INSTALLATION.

*****SAFETY HOLD POINT*****

EXCAVATION HAS BEEN FOUND TO HAVE ACCEPTABLE SLOPE OR SHORING TO PROCEED TO STEP 7.6 INDUSTRIAL HEALTH & SAFETY SIGN.

[Signature] DATE 12/8/93

*****END OF HOLD POINT*****

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

7.12 ATMOPHERIC TESTING WILL BE PERFORMED PER SECTION 6.0 OF ATTACHED WHC-CM-4-40 3.1 AT TIME OF VALVE REPLACEMENT. ANY APPROPRIATE CONTROLS RECOMMENDED BY SAFETY WILL BE IMPLEMENTED (I.E. SUCTION VENTILATOR) BY APPROPRIATE CRAFT BEFORE ANY ENTRY IS MADE.

7.13 AT THIS TIME, PREPERATIONS FOR WORK TO BE PERFORMED CAN BE MADE. PREPERATIONS MAY INCLUDE BUT NOT BE LIMITED TO PROVIDING LIGHTING AND ELECTRICAL POWER (ANY ELECTRICAL POWER WILL BE GFCI PROTECTED), BREATHING AIR LINES, TOOLS, ETC. ALL TOOLS, EQUIPMENT AND MATERIALS TO BE SURVEYED BEFORE REMOVAL FROM DESIGNATED RCA ZONE. IF DECON IS NEEDED, BAG AND REMOVE TO 2706-T FOR APPROPRIATE DECON. DECON AS NEEDED.

SEE WCA03
CAL 12-09-93

7.14 PIPE CONNECTION TO BE LOOSENED ENOUGH TO BREACH CONTAINMENT FOR HPT SURVEY

*****HPT HOLDPOINT*****

AFTER THE LINE HAS BEEN OPENED, THE LINE HAS BEEN SURVEYED AND FOUND TO BE FREE OF REMOVABLE

CONTAMINATION (~~220 D/M~~ ^{2,200} D/M PER 100SQ. CM.)
HPT SIGNATURE R.A. Halperin DATE 12-12-93
*****END OF HPT HOLD POINT*****

7.15 AFTER HOLD POINT OF PREVIOUS STEP HAS BEEN SIGNED, CRAFT TO REMOVE ANY PIPE COATING, UNBOLT, AND REMOVE EXISTING 2" STAINLESS VALVE. EXISTING GASKETS ARE TO BE HANDLED AS SUSPECTED ASBESTOS GASKET MATERIAL PER ATTACHED 7-GN-091. DISPOSE OF PER ATTACHED EC ASSESSMENT FORM.

7.16 CRAFT TO CLEAN FLANGE FACES OF PIPING AND PREPARE PIPE & VALVE ENDS AS NEEDED TO INSTALL REPLACEMENT VALVE.

7.17 CRAFT TO INSTALL 2" STAINLESS VALVE AND BOLTS/NUTS THAT HAVE BEEN ACCEPTED BY Q.C. PER STEP 7.2. INSTALL FLANGE GASKETS FABRICATED PER STEP 7.3.

SEE WCA03
CAL 12-09-93

7.18 ENSURE PROPER ALIGNMENT OF FLANGED CONNECTIONS AND TIGHTEN BOLTS/NUTS, USING ROTATION METHOD.

7.19 AFTER CONNECTIONS HAVE BEEN MADE, PLASTIC WRAP INSTALLED VALVE.

7.20 LEAK CHECK PER WORK PACKAGE 2T-93-0825 TO BE PERFORMED.

7.21 AFTER PIPING SYSTEM HAS BEEN FOUND ACCEPTABLE FOR USE,

1. Document Number 2T-93-00747/W **GENERIC WORK ITEM.**
Work Item Title 211-T CHEM TRANSFER LINE VALVE

REMOVE PLASTIC WRAP.

7.22 MATERIALS/EQUIPMENT/TOOLS ARE TO BE SURVEYED PRIOR TO REMOVAL FROM RCA ZONE. OPERATIONS TO PERFORM APPROPRIATE DECON ACTIVITIES AT 2706-T (AFTER BAGGING), IF REQUIRED.

*****HPT HOLD POINT*****

THE EQUIPMENT/TOOLS/MATERIALS HAVE BEEN SURVEYED AND FOUND TO BE FREE OF REMOVABLE CONTAMINATION

(~~220 D/M/ < 2,220 D/M PER 100 CM SQ.~~)
HPT SIGNATURE R. H. Holcombe DATE 12-13-93

*****END OF HPT HOLDPOINT*****

Surveyed Tools only
Survey of old valve

wcn 02
11/30/93
SLX

7.23 REMOVE ALL ITEMS TO APPROPRIATE LOCATIONS AS DETERMINED BY RESULTS OF SURVEY/DECON AND DIRECTION OF HPT/OPERATIONS.

7.24 REMOVE SHORING PER ATTACHED CM-8 OF CM 4-3.

7.25 HOLE TO BE FILLED WITH CONTAMINATION-FREE FILL AND COMPACTED AS NEEDED TO RESTORE AREA TO ORIGINAL CONFIGURATION. RESET PIPE SLEEVE AS HOLE IS BEING FILLED.

7.26 IF ASPHALT WAS REMOVED, 7.32 REPLACE ASPHALT AS NEEDED TO RESTORE AREA TO ORIGINAL CONFIGURATION OR CONFIGURATION DETERMINED BY OPERATIONS SUPERVISOR MANAGER

7.27 REMOVE BARRIERS

8.0 RESTORATION

Inform Operations management and Maintenance management that maintenance is complete.

LOCK & TAGS TO BE REMOVED BY DESIGNATED LOCK & TAG CUSTODIAN

*****LOCK & TAG HOLDPOINT*****

DESIGNATED LOCK & TAG CUSTODIAN TO CONCUR THAT LOCK & TAG HAS BEEN REMOVED FROM 211-T PUMP

CUSTODIAN SIGNATURE [Signature] DATE 12-28-93

*****END OF LOCK & TAG HOLDPOINT*****

*****LOCK & TAG HOLDPOINT*****

DESIGNATED LOCK & TAG CUSTODIAN TO CONCUR THAT LOCK & TAG HAS BEEN REMOVED FROM 2706-T SUMP PUMP #1

CUSTODIAN SIGNATURE [Signature] DATE 12-28-93

*****END OF LOCK & TAG HOLDPOINT*****

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

*****LOCK & TAG HOLDPOINT*****

DESIGNATED LOCK & TAG CUSTODIAN TO-CONCUR THAT LOCK &
TAG HAS BEEN REMOVED FROM 2706-T SUMP PUMP #2.

CUSTODIAN SIGNATURE: *[Signature]* DATE 12-28-93

*****END OF LOCK & TAG HOLDPOINT*****

10.0 DISPOSITION

- 10.1 Record as found/as left conditions and work performed on Craft Usage Log J-5.
- 10.2 Record deficiencies or cause of early failure on Craft Usage Log J-5 and inform Maintenance Manager of findings.
- 10.3 Post-Job meeting will be conducted and attended by all personnel involved in work steps. Details of meeting to be documented on attached j-5.
- 10.4 Return Work Package to Maintenance Manager.

J-4 RESOLUTION/RETEST (W140)

Page: 1

13:06:52 23 NOV 1993

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

2. Essential Systems N/A

3. Resolution
SEE ATTACHED J-4A

4. Impact Level/Approval Requirements 3-E S Q

5. Tech Spec/OSR Requirements/Reference
N/A

6. Reference Documents	Type
7-GN-091	0003
T-0	0018
EXC PERMIT	0011
ASBESTOS PERMIT	0019
CONFINED SP PERMIT	

7. Comments
N/A

8. Retest Requirement Y

9. Mode D

10. Retest
INITIAL SERVICE LEAK CHECK PER WORK PACKAGE 2T-93-0825

11. QC Involvement in Retest WITNESS

12. PIC QUIGLEY, K

13. PIC Org. 87420

14. Resolution By	Signature	Date
X LEACH, CA		09/23/93

15. Plant Forces Work Review Required N Number N/A

16. Approvals	Signature	Date
Cognizant Engineer	X ANDERSON, SP	10/18/93
Cognizant Manager	X BELCHER, JT	10/18/93
Environmental Assurance	X BOOM, RJ	10/27/93
Health/Safety Assurance	<i>Paul H. Moomms</i>	12/1/93
Quality Assurance	X POWELL, BR	10/19/93 → Billy Powell 30 Nov
Additional Approvals	<i>H.P.T. Mike [unclear]</i>	11/30/93
	<i>A.I.C. Du [unclear]</i>	12/1/93

17. Resources Required	Res Code	Description	No.	Est Hrs	Act Hrs
	04A	OPERATIONS PERSONNEL	4	24	
	13B	Heavy Equipment Operator	1	4	
	15	Carpenter	2	8	

J-4 RESOLUTION/RETEST (W140)

J-4 RESOLUTION/RETEST (W140)

Page: 2

13:06:52 23 NOV 1993

1. Document Number 2T-93-00747/W GENERIC WORK ITEM
Work Item Title 211-T CHEM TRANSFER LINE VALVE

22	Electrician	1	2
24	Plumber Steamfitter	2	8
35	Ironworker/Rigger	2	4
38	Painter/Sign	1	6
54A	Radiation Protection Technicia	2	16
94	PLANNER	1	8
96	RESPIRATORY PROTECTION	1	16
97	QUALITY CONTROL	1	1

28
12/2/93 14, 14A TRANSFER

Signature

Date

- 18. Field Work Complete
- 19. Retest Satisfactory
- 20. QC Verify Retest
(If Required)



12-27-93

J-4 RESOLUTION/RETEST (W140)

33

DO-00153

15

DESCRIPTION OF CHANGE (page no./step no./change)

Page 36/ Replace F20 with the following

F.20 Sump Level: 2715 gal Waste Description: Liquid/Sludge Activity Code: S02
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

21 inches by gage reading

2706-T DAILY SURVEILLANCE LOG (Page 1 of 2)
T-PLANT FACILITIES

DATE 12-13-93

START OF SHIFT SURVEILLANCE		END OF SHIFT SURVEILLANCE	
Step No.	(This Section Performed During 1st Hour of Shift)	Step No.	(This Section is Performed During Last Hour of Shift)
F.3	Ventilation Room Equip. Condition Sat <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.31	Chemical Usage and Storage
F.4	ACT-1 Annunciator Panel: All alarms activate YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Type/Name	Amount Used
F.6	Fire Riser Room Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		Restored (Bldg/Loc.)
F.7	Fire Riser Room Heater Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	No Usage	
F.9	Electrical Room SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.11	HVAC Units: #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.12	Backflow Preventer: SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.13	211-T Sump Pump Operational YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
F.15	Building Lights Operational YES <input type="checkbox"/> NO <input type="checkbox"/>		
F.16	Process Air Pressure <u>N/A</u> PSI		
F.17	Process Air Lines: Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.32	Storage Bldg Locked; Vents/Lights Secured <u>PS</u>
	Sanitary Water Lines: Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.34	Decon Process Equipment Secured:
F.18	Fire Protection Lines: Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		ACT-1 <u>PS</u>
F.19	All Annunciator Alarms Actuate: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		PARTEK Blaster <u>PS</u>
F.20	Sump Level _____ Gal.		SIoux Cleaner <u>PS</u>
F.21	Building FCUs #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.35	Bldg Sump Pumps Secured <u>PS</u>
	Building Temperature <u>60</u> °F (Range 50 - 80°F)	F.36	Ending Sump Level <u>2715</u> Gal.
	Storage Area Heaters SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.37	Sanitary Water "End-of-Line" Control Valves OFF
F.23	8' 6" Clearance for Rail Spur Area YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Hoses Disconnected and Properly Stowed <u>PS</u>
F.24	2706-T Yard, LIW Stations, RHW SAA Deficiencies YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.38	Bldg Lights Secured/Access Doors Locked <u>PS</u>
F.25	Flammable/Haz. Storage Bldg. SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.40	ACT-1 Ventilation Room & System Secured <u>PS</u>
F.27	Storage Bldg. Interior Condition SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.28	Fans & Lights Operable YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.29	Stored Hazardous/Flammable Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
		** NOTE - Record all discrepancies/difficiencies and comments on reverse.	

Operator's Name A.E. White
Signature A.E. White

Manager's Name Bruce Grayley
Signature Bruce Grayley

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DESCRIPTION OF CHANGE (page no./sheet no./change)

Page 36/ Replace F 20 w/ the following

6 1/2 in

F.20 Sump Level: 2715 gal Waste Description: Liquid/Sludge Activity Code: S02
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

2706-T DAILY SURVEILLANCE LOG (Page 1 of 2)
T-PLANT FACILITIES

DATE 12-26-93

START OF SHIFT SURVEILLANCE				END OF SHIFT SURVEILLANCE		
Step No.	(This Section Performed During 1st Hour of Shift)			Step No.	(This Section Is Performed During Last Hour of Shift)	
F.3	Ventilation Room Equip. Condition	SAT	<input checked="" type="checkbox"/> UNSAT	F.31	Chemical Usage and Storage	
F.4	ACT-1 Annunciator Panel:			Type/Name	Amount Used	Restored (Bldg/Loc.)
	All alarms activate	YES	<input checked="" type="checkbox"/> NO	NONE		
F.6	Fire Riser Room Status	SAT	<input checked="" type="checkbox"/> UNSAT			
F.7	Fire Riser Room Heater Operational	YES	<input checked="" type="checkbox"/> NO			
F.9	Electrical Room	SAT	<input checked="" type="checkbox"/> UNSAT			
F.11	IVAC Units: #1 SAT <input checked="" type="checkbox"/> UNSAT	SAT	<input checked="" type="checkbox"/> UNSAT			
	#3 SAT <input checked="" type="checkbox"/> UNSAT	SAT	<input checked="" type="checkbox"/> UNSAT			
F.12	Backflow Preventer:	SAT	<input checked="" type="checkbox"/> UNSAT			
F.13	211-T Sump Pump Operational	YES	<input checked="" type="checkbox"/> NO			
F.15	Building Lights Operational	YES	<input checked="" type="checkbox"/> NO			
F.16	Process Air Pressure	NA	PSI			
F.17	Process Air Lines: Leaks?	YES	<input checked="" type="checkbox"/> NO	F.32	Storage Bldg Locked; Vents/Lights Secured	PSB
	Sanitary Water Lines: Leaks?	YES	<input checked="" type="checkbox"/> NO	F.34	Decon Process Equipment Secured:	
F.18	Fire Protection Lines: Leaks?	YES	<input checked="" type="checkbox"/> NO		ACT-1	PSB
F.19	All Annunciator Alarms Activate:	YES	<input checked="" type="checkbox"/> NO		PARTEK Blaster	PSB
F.20	Sump Level		Gal.		SIoux Cleaner	PSB
F.21	Building FCUs #1 SAT <input checked="" type="checkbox"/> UNSAT	SAT	<input checked="" type="checkbox"/> UNSAT	F.35	Bldg Sump Pumps Secured	PSB
	#3 SAT <input checked="" type="checkbox"/> UNSAT	SAT	<input checked="" type="checkbox"/> UNSAT	F.36	Ending Sump Level	2715 Gal.
	Building Temperature 69°F (Range 50 - 80°F)			F.37	Sanitary Water "End-of-Line" Control Valves OFF/ Hoses Disconnected and Properly Stowed	PSB
	Storage Area Heaters SAT <input checked="" type="checkbox"/> UNSAT			F.38	Bldg Lights Secured/Access Doors Locked	PSB
F.23	8' 6" Clearance for Rail Spur Area	YES	<input checked="" type="checkbox"/> NO	F.40	ACT-1 Ventilation Room & System Secured	PSB
F.24	2706-T Yard, LIW Stations, RMW SAA Deficiencies	YES	<input checked="" type="checkbox"/> NO			
F.25	Flammable/Haz. Storage Bldg.	SAT	<input checked="" type="checkbox"/> UNSAT			
F.27	Storage Bldg. Interior Condition	SAT	<input checked="" type="checkbox"/> UNSAT			
F.28	Fans & Lights Operable	YES	<input checked="" type="checkbox"/> NO			
F.29	Stored Hazardous/Flammable Status	SAT	<input checked="" type="checkbox"/> UNSAT			

** NOTE - Record all discrepancies/deficiencies and comments on reverse.

Operator's Name Patrick Brummett
Signature Patrick A Brummett

Manager's Name S.L. METZGER
Signature [Signature]

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T PLANT PLANT OPERATING PROCEDURE

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE 12-26-93

START OF SHIFT SURVEILLANCE

2:11 dump pump tag out of
device

F19 all annunciator alarm
off

END OF SHIFT SURVEILLANCE

No change from ^{starting} ~~first~~ 12-26-93
of shift reading

Operator's Name Patricia A. Brummett

Operator's Signature Patricia A. Brummett

Manager's Name S. L. METZGER

Manager's Signature [Signature]

F.20 Sump Level: 2715 gal Waste Description: Liquid Sludge Activity Code: S02
Waste Codes: The waste-codes are F001, F002, F003, F004, F005; and D008.

2706-T DAILY SURVEILLANCE LOG (Page 1 of 2)
T-PLANT FACILITIES

DATE 12-25-73

Step No.	START OF SHIFT SURVEILLANCE (This Section Performed During 1st Hour of Shift)	Step No.	END OF SHIFT SURVEILLANCE (This Section is Performed During Last Hour of Shift)
F.3	Ventilation Room Equip. Condition Sat <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.31	Chemical Usage and Storage
F.4	ACT-1 Annunciator Panel: All alarms activate YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Type/Name Amount Used Restored (Bldg/Loc.)
F.6	Fire Riser Room Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		<i>NONE USED</i>
F.7	Fire Riser Room Heater Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.9	Electrical Room SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.11	HVAC Units: #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.12	Backflow Preventer: SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.13	211-T Sump Pump Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.15	Building Lights Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.16	Process Air Pressure <i>N/A</i> PSI		
F.17	Process Air Lines: Leaks? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F.32	Storage Bldg Locked; Vents/Lights Secured <i>Yes</i>
	Sanitary Water Lines: Leaks? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F.34	Decon Process Equipment Secured:
F.18	Fire Protection Lines: Leaks? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		ACT-1 <i>Yes</i>
F.19	All Annunciator Alarms Actuate: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		PARTEK Blaster <i>Yes</i>
F.20	Sump Level <i>2715</i> Gal.		SIoux Cleaner <i>Yes</i>
F.21	Building FCUs #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.35	Bldg Sump Pumps Secured <i>Yes</i>
	Building Temperature <i>69</i> °F (Range 50 - 80°F)	F.36	Ending Sump Level <i>2715</i> Gal.
	Storage Area Heaters SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.37	Sanitary Water "End-of-Line" Control Valves OFF <i>Yes</i>
F.23	8' 6" Clearance for Rail Spur Area YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		Hoses Disconnected and Properly Stowed <i>Yes</i>
F.24	2706-T Yard, LLW Stations, RMW SAA Deficiencies YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F.38	Bldg Lights Secured/Access Doors Locked <i>Yes</i>
F.25	Flammable/Haz. Storage Bldg. SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.40	ACT-1 Ventilation Room & System Secured <i>Yes</i>
F.27	Storage Bldg. Interior Condition SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.28	Fans & Lights Operable YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.29	Stored Hazardous/Flammable Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		

Initials

** NOTE - Record all discrepancies/difficiencies and comments on reverse.

Operator's Name Paul Repp / Rich Justo
Signature Paul Repp / Rich Justo

Manager's Name S.L. METEOR
Signature [Signature]

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE 12-25-93

START OF SHIFT SURVEILLANCE

* F-13, 211 T SUMP PUMP, TESTED OK
* F-19, ANNUNCIATOR PANEL BOARD OFF

END OF SHIFT SURVEILLANCE

Operator's Name PHIL REPP / RICH TUSTO

Manager's Name S.L. METZGER

Operator's Signature Phil Repp / R.J. Justo

Manager's Signature [Signature]

Page 36/ Replace F.20 with the following

F.20 Sump Level: ²⁷¹⁵
~~2715~~ gal Waste Description: Liquid Sludge Activity Code:
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

21" INSTRUMENTATION
6 1/2" TAPE READING MANUAL

PLANT PLANT OPERATING PROCEDURE

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE 12-20-93

START OF SHIFT SURVEILLANCE	END OF SHIFT SURVEILLANCE
F.13 2HT supply locked/tagged out.	
Ops, 11BT relocated oppt. from SEA to RCA	Good Nite!
End of Shift Surveillance Turned Over to White	

Operator's Name AE White
Operator's Signature AE White

Manager's Name Ken Douglas
Manager's Signature Ken Douglas

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE _____

START OF SHIFT SURVEILLANCE

F-12 Backflow preventer leaking.
F-19 Alpha Alarms C.O.S.

END OF SHIFT SURVEILLANCE

Maint. Electricians did P.M. on Annunciator
Panels in Vent Row 4 Deck Row.
All Sump level approx 3' 9"
ACT 1 VENT SYSTEM started for
Electrical P.M. AND FOR TRAINING
FOR FIVE SOLID WASTE EMPLOYEES

Operator's Name BRADFORD

Operator's Signature _____

Manager's Name *Ken Douglas*

Manager's Signature _____

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE 12-29-93

START OF SHIFT SURVEILLANCE	END OF SHIFT SURVEILLANCE
F.12 Leaking F.13 No.1 st Label out No.2 nd working	

Operator's Name DE WITTS
Operator's Signature DE WITTS

Manager's Name S. L. METZGER
Manager's Signature S. L. Metzger

PLANT PLANT OPERATING PROCEDURE

2706-T DAILY SURVEILLANCE LOG (Page 2 of 2)
(COMMENTS & DISCREPENCIES SHEET)

DATE 1-5-94

START OF SHIFT SURVEILLANCE	END OF SHIFT SURVEILLANCE
<i>F.12 Backflow preventer still backing</i>	
<i>* OPS replaced temporary postings with permanent posts and chain</i>	
<i>* OPS continued O.T. for 5 WD ops.</i>	

Operator's Name Will Wise
Operator's Signature William Willie

Manager's Name Ben Dugley
Manager's Signature Ben Dugley

DESCRIPTION OF CHANGE (page no./step no./change)

Page 36/ Replace F 20 w/ the following

F.20 Sump Level: _____ gal Waste Description: Liquid/Sludge Activity Code: S02
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

Manual reading 2 1/2" = 1275 gal.

- Remote reading 17" = 675 gal

1-5-94
Wise

DESCRIPTION OF CHANGE (page no./step no./change)

Page 36/ Replace F 20 w/ the following

F.20 Sump Level: 2715 gal Waste Description: Liquid/Sludge Activity Code: SO2
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

21 inches by gage reading

PLANT PLANT OPERATING PROCEDURE

2706-T DAILY SURVEILLANCE LOG (Page 1 of 2)
T-PLANT FACILITIES

DATE 12-15-93

Step No.	START OF SHIFT SURVEILLANCE (This Section Performed During 1st Hour of Shift)	Step No.	END OF SHIFT SURVEILLANCE (This Section is Performed During Last Hour of Shift)
F.3	Ventilation Room Equip. Condition Sat <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.31	Chemical Usage and Storage
F.4	ACT-1 Annunciator Panel; All alarms activate YES <input checked="" type="checkbox"/> RRE NO <input checked="" type="checkbox"/>		Type/Name Amount Used Restored (Bldg/Loc.)
F.6	Fire Riser Room Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		Name used
F.7	Fire Riser Room Heater Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.9	Electrical Room SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.11	HVAC Units: #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.12	Backflow Preventer: SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.13	211-T Sump Pump Operational YES <input checked="" type="checkbox"/> NO <input checked="" type="checkbox"/>		
F.15	Building Lights Operational YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.16	Process Air Pressure N/A PSI		
F.17	Process Air Lines; Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.32	Storage Bldg Locked; Vents/Lights Secured RRE
	Sanitary Water Lines; Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.34	Decon Process Equipment Secured: RRE
F.18	Fire Protection Lines; Leaks? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		ACT-1 RRE
F.19	All Annunciator Alarms Actuate: YES <input type="checkbox"/> NO <input type="checkbox"/>		PARTEK Blaster RRE
F.20	Sump Level _____ Gal.		SIOUX Cleaner RRE
F.21	Building FCUs #1 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #2 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #3 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/> #4 SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.35	Bldg Sump Pumps Secured RRE
	Building Temperature 61 °F (Range 50 - 80 °F)	F.36	Ending Sump Level 2715 Gal.
	Storage Area Heaters SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>	F.37	Sanitary Water "End-of-Line" Control Valves OFF/ RRE Hoses Disconnected and Properly Stowed RRE
F.23	8' 6" Clearance for Rail Spur Area YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	F.38	Bldg Lights Secured/Access Doors Locked RRE
F.24	2706-T Yard, LLW Stations, RMW SAA Deficiencies YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	F.40	ACT-1 Ventilation Room & System Secured RRE
F.25	Flammable/Infl. Storage Bldg. SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.27	Storage Bldg. Interior Condition SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		
F.28	Fans & Lights Operable YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		
F.29	Stored Hazardous/Flammable Status SAT <input checked="" type="checkbox"/> UNSAT <input type="checkbox"/>		

Initials

** NOTE - Record all discrepancies/deficiencies and comments on reverse.

Operator's Name: RREverman
Signature: RREverman 12-15-93

Manager's Name: RREverman
Signature: RREverman

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Page 36/ Replace F 20 w/ the following

F.20 Sump Level: 2715 gal Waste Description: Liquid/Sludge Activity Code:
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

F.20 Sump Level: 2715 gal Waste Description: Liquid Sludge Activity Code: SC
Waste Codes: The waste codes are F001, F002, F003, F004, F005, and D008.

MORNING READING Shipped sump in Afternoon

ENDING READING 0