ORIGINAL 0032472

Date Received: 10-6-93 CW	INFORMATION RELEASE REQUEST	Reference: WHC-CM-3-4

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ID Number (include revision, volume, etc.): WP PFP-92-PRF-052

List attachments.

Date Release Required

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Classification/Unclassified Controlled Nuclear Information	[]	[X]			
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Applied Technology/Export Controlled Information or International Program	[]	[X]			
WHC Program/Project	[X]	[]	J. Bramson	Steve A Szendre for Telecon 10:30	10/6/93
Communications	[]	[X]			
RL Program/Project SAS ~~[illegible]~~	[X]	[]	Paul Kerpin -	Paul Kerpin EAP -	10/6/93
Publication Services SAS	~~[X]~~	[X]			
Other Program/Project SAS	~~[X]~~	[X]			

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

	Yes	No
References Available to Intended Audience	[]	[X]
Transmit to DOE-HQ/Office of Scientific and Technical Information	[]	[X]

Author/Requestor (Printed/Signature): Steve A Szendre, Steve Szendre — Date: 10/5/93

Intended Audience
[] Internal [] Sponsor [X] External

Responsible Manager (Printed/Signature): Eric M. Greager, E. Greager — Date: 10/5/93

INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP

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

APPROVED FOR RELEASE — OFFICIAL DOCUMENT — CW — Date 10-6-93

Date Cancelled

Date Disapproved

NOV 1993 RECEIVED EPIC

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Part 1

ORIGINAL WP-PFP-92-PRF-052

ID Number

Lead Author	Phone	MSIN	Other Author(s) or Requestor
	6-7776	H6-30	Steve A. Szendre
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Editor	Phone	MSIN	DOE/HQ Program (DP, EH, 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

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Responsible Manager (Printed/Signature)

Additional Information

PLUTONIUM FINISHING PLANT

PRF WORK PLAN

LEAK TEST TKS WM-1, 19, 40, AND 39

WP PFP-92-PRF-052
PAGE 1 OF 15

IMPACT LEVEL 3EQ

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1. INTRODUCTION

1.1. Purpose

This work plan provides instruction for performing fluid leak tests of the PRF dangerous waste tanks TK-WM1, 19, 40, and 39.

1.2. Scope

This work plan provides instructions for preparing the leak test solution, transferring solution from tank to tank, and recirculating the solution within the waste tanks.

1.3. Applicability

This work plan is for leak testing the PRF dangerous waste tanks only. The plan can be redlined with concurrence of operations, process control and others according to the impact level. This leak test will be performed at any time the integrity of the dangerous waste tanks is to be assessed and in conjunction with remote visual inspection of the waste tanks.

2. PRECAUTIONS AND LIMITATIONS

2.1. Criticality

The maximum depth of any solid and solution accumulations in hood bays shall not exceed 1 in. depth.

All liquid spills shall be cleaned up within 24 hrs.

2.2. Warning

Sharp objects shall be avoided while working in hoods.

3. PREREQUISITE ACTION

A prejob safety meeting shall be conducted prior to this work plan.

Verify line broken and caps are installed per ECN# 175777. ~~is complete.~~

Remote visual equipment shall have been sealed into the PRF Canyon in accordance with ZO-170-301 and installed onto the canyon hoist.

Prerequisite actions for operation of the canyon hoist as noted in ZO-180-100 have been satisfied.

HEPA filter differential pressure must be less than 3.0 in. water gage prior to performing operations in a glovebox.

Glovebox negative pressure relative to the room must be more negative than -0.5 in. water gage to ensure that contamination is not spread from the glovebox to the room.

Prior to work in glovebox, all gloves previously identified as failed shall have been changed or covered with a pie plate.

4. TOOLS, EQUIPMENT, AND MATERIALS

4.1. References

Radiation Work Requirements and Permits Manual, WHC-CM-4-15
Radiation Work Permit Z-007 and Z-013
Radiation Protection Manual, WHC-CM-4-10

4.1.1 Referenced Documents

ZO-120-006, MAKEUP CAS 1.5M HNO_3 IN TK-A108
ZO-180-027, RECIRCULATE PRF TANKS
ZO-180-038, TRANSFER WASTE SOLUTIONS TO TK-D5 AND TK-D8
ZO-180-039, TRANSFER SOLUTION FROM TK-39 AND TK-40
ZO-180-100, OPERATE CANYON HOIST
ZO-180-200, SAMPLE PRF TANKS

4.1.2 Records

Valve Verification Checksheet
Leak Test Data Sheet

5. CRAFTS

4 Operators (1 of which is qualified to operate the PRF canyon crane.)
1 HPT

6. PERFORMANCE

Use attached data sheets.

6.1. WP-PFP-92-PRF-052: Leak Test TKs 19, 39, 40, and WM-1

A. Leak Test TK-WM-1.

Cheryl Volkman per telecon 2-3-93 2-3-93

1. a. VALVE VERIFICATION CHECKSHEET shall be completed before each transfer.
   b. If solution is present in TK-39 and TK-40, perform Attach 5 and go to step
2. Monitor charts on TK-29 (chart 67) and TK-WM-1 (chart 1) during transfer. IF no change in charts occurs OR IF no solution is transferred, perform End 2-3-93

per telecon Charlie Kronvall 2-3-93

Transfer activity. Control room operator will check operability of charts and monitor other charts for deviations. Floor operators will check for proper valving and leaks. Notify supervision of findings and action taken and note these on Attachment 2.

3. Make up CAS in TK-A108 and transfer to TK-29 per ZO-120-006.

4. Close valves 249 and 251 and 252.

NOTE: Operate 29-SS-B and 29-SS-C as needed to add CAS throughout the workplan.

5. Isolate CAS transfer line:

a. Close the following valves:

52	242	336	435	633
181	244	361	465	634
223	260	391	553	652
234	262	395	585	732
240	322	434	632	755

b. Set 16.1-SS-A and 16.2-SS-A to Position 1 - OFF.

c. Open valve 241 on first (1st) floor. Located at glovebox panel WD-1.

d. Open valves 223 and 436.

e. Turn 29-SS-B to START.

6. Turn 29-SS-C to ON.

7A. Turn Switch 32-SS-W To: Position 3 - CAW To TK-39 OR Position 4 - CAW To TK-19 Open V-435
IL-4
[illegible] 1-7-93
M.W. Gibson per telecon
[illegible] 1-7-93

7. Turn switch 32-SS-W to Pos 5 - CAW to TK-WM-1

8. Continue adding CAS to TK-WM-1, OR TK-39, OR TK-19 until ~~TK-WM-1~~ WF (Chart 1) reads 50%.

9. END TRANSFER FROM TK-29: approximately [illegible] 2-10-93 mw Gibson per telecon
When TK-WM-1 reads ~50% set 32-SS-W to Pos 1-OFF and close valves 223 and 436, and turn 29-SS-C to OFF I.L.4
o-435

[illegible] 1-5-
[illegible] 1-5-9

Additional CAS may have to be made-up in TK-A108, transferred to TK-29, and then to TK-WM-1, to fill TK-WM-1.

*10. Record initial WF. 47

11. Recirculate TK-WM-1 per ZO-180-027. Continue recirculation while the tank system is visually inspected for signs of leaks.

12. Set WM1-SSA to STOP.

13. Record final WF value for TK-WM-1. 47

IF WF value does not return to original reading, contact Floor Operators to check for improper valving and leaks and notify supervision.

B. Leak Test TK-19.

1. VALVE VERIFICATION CHECKSHEET shall be completed before each transfer.

2. Monitor charts on TK-WM-1 (chart 1) and TK-19 (chart 42) during transfer. IF no change in charts occurs OR IF no solution is transferred, perform End Transfer activity. Control room operator will check operability of charts and monitor other charts for deviations. Floor operators will check for proper valving and leaks. Notify supervision of findings and action taken and note these on Attachment 2.

3. Close valves 273, 274, 276, 378, and 474. Open valves 250, 252, and 275.

4. Ensure that 39-SS-G and 40-SS-J are both OFF.

5. Obtain keys from supervisor and set the following to ON: 19-SS-A and EMV-WM1A.

6. Set 19-SS-J to Position 2 - RECIRCULATE.

7. Turn WM1-SSA to START.

PFP WORK PLAN PRF	LEAK TEST TKS WM-1, 19, 40, 39	PFP-92-PRF-052 Impact Level 3EQ Page 7 of 15

8. Continue transferring CAS from TK-WM-1 to TK-19 until TK-19 WF (Chart 42) reaches approximately 70% OR until TK-WM-1 (Chart 1) reaches approximately 10%. J. Hayley 2-10-93 M.W. Gibson per telecon 2-10-93

9. END TRANSFER FROM TK-WM-1:

   a. Set 19-SS-A and EMV-WM1A to OFF

   b. Set WM1-SS-A to STOP

   c. Close valve 250 and 252.

If TK-19 WF (Chart 42) is 70% skip steps 10 and 11 and proceed with step 12.

10. Add CAS to TK-19 from TK-29.

   a. Monitor charts on TK-29 (chart 67) and TK-19 (chart 42) during transfer. IF no change in charts occurs OR IF no solution is transferred, perform End Transfer activity. Control room operator will check operability of charts and monitor other charts for deviations. Floor operators will check for proper valving and leaks. Notify supervision of findings and action taken and note these on Attachment 2.

   b. Close valves 451 and 453. Open valves 223, 435 and 436. Pr [signature] 1-7-93

   c. Set 32-SS-W to Position 4 - CAW TO TK-19, AND set 29-SS-C to ON. I.L.4 [signature] 1-7-93 [signature] 1-7-93 [signature] 1-7-93

   d. When TK-19 WF (Chart 42) reaches 70% set 32-SS-W to Position 1 - OFF, and set 29-SS-C to OFF. I.L.4 [signature] 1-7-93 [signature] 1-7-93 [signature] 1-5-93

   Set 29-SS-B to Start [signature] 1-7-93

   M.W. Gibson per telecon 1-7-93

11. END TRANSFER FROM TK-29:
   Close valves 223, 435 and 436.

12. Record initial WF. 67

13. Recirculate TK-19 per ZO-180-027. Continue recirculation while the tank system is visually inspected for signs of leaks.

14. Set 19-SS-D to STOP.

15. Record final WF value. 67 WF

    IF WF value does not return to original reading, contact Floor Operators to check for improper valving and leaks and notify supervision.

C. Leak Test TK-40

1. VALVE VERIFICATION CHECKSHEET shall be completed before each transfer.

2. Monitor charts on TK-19 (chart 42) and TK-40 (chart 80) during transfer. IF no change in charts occurs OR IF no solution is transferred, perform End Transfer activity. Control room operator will check operability of charts and monitor other charts for deviations. Floor operators will check for proper valving and leaks. Notify supervision of findings and action taken and note these on Attachment 2.

3. Close valves 319, 321, 329, and 523.
   Open valve 320.
   Open 275 [illegible] 1-7-93 [illegible] 1-7-93

4. Obtain keys, set 40-SS-J and 19-SS-A to ON.

5. Set 19-SS-J to Pos. 1 - Out of Service

6. Turn 19-SS-D to START.

7. Continue adding CAS to TK-40 until TK-40 WF (Chart 80) reads approximately 70% OR until TK-19 WF (Chart 42) approaches 10%.
   approximately [illegible] 2-10-93, MW [illegible] per [illegible] 2-10-93

8. END TRANSFER FROM TK-19:

   a. Set 19-SS-A and 40-SS-J to OFF.

   b. Turn 19-SS-D to STOP.

   c. Close valve 275.

9. Record initial WF. 54

10. Recirculate TK-40 per ZO-180-027. Continue recirculation while the tank system is visually inspected for signs of leaks.

11. Set TK-40 pump 40-SS-D to STOP.

12. Record final WF value for TK-40. 54

IF WF value does not return to original reading, contact Floor Operators to check for improper valving and leaks and notify supervision.

D. Leak Test TK-39

Transfer TK 19 To TK-39
Close following Valves
273, 274, 276, 19-N, 474
40-J, 378, 290, 291, 292
489, 829, WM-1 A(2mv), 252
OPEN Following Valves
275, 19-A, 39-G
open Valve 291 upon control Room request for TK recirc.
Turn 19-SS-D To Start when TK 39 WF indicates a rise or after 1 minute of pumping
Start 39-SS-E
when TK-19 is empty Turn 19-A To close and Stop 19-SS-D
WHEN TRANSFER IS COMPLETE
CLOSE VALVES 275 AND 19-A
[illegible] 1-7-93
M.W. Gibson per telecon 1-7-93
[illegible] 1-7-93

1. Transfer solution from TK-40 to TK-39 per ZO-180-039. OR DO STEP 1-A

2. Record initial WF. C 33

3. Recirculate TK-39 per ZO-180-027. Continue recirculation while the tank system is visually inspected for signs of leaks.

4. Turn 39-SS-E to STOP.

5. Record final WF value for TK-~~40~~ 39 32

IF WF value does not return to original reading, contact Floor Operators to check for improper valving and leaks and notify supervision.

6. Shut-down TK-29:

a. Turn 29-SS-B to STOP.

b. Set 29-SS-C to OFF.

c. Close Valve 241.

7. Sample solutions for accountability and disposal purposes per ZO-180-200.

8. Transfer solutions from TKs-40, 19, WM-1, and 39 to TK-D5 per ZO-180-038 OR as specified by supervisor.

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Attachment 1 - Valve Verification Checksheet
Page 1 of 3

STEP 6.1	VALVE	POSITION	FUNCTION	LOCATION	POSITIONER Initial	VERIFIER Initial
TK-WM1						
A.4	249	CLOSE	TK-40 Drain Valve	WP-1	N/A	N/A
	251	CLOSE	TK-40 Sampler	WP-1		
	252	CLOSE	TK-19 to TK-40	WP-2		
A.5.a	52	CLOSE	CAS (1.5M HNO_3) Addition to Slurp System	EE-2		
	181	CLOSE	CAS flush (open to hood)	EW-1		
	223	CLOSE	CAS to TK-33 pulse leg	WD-1		
	234	CLOSE	TK-29 to COW line	WC-1		
	240	CLOSE	TK-29 Drain Valve	WD-1		
	242	CLOSE	TK-29 Sampler	WD-1		
	244	CLOSE	TK-29 Pump Discharge to DOV-32-D	WD-1		
	260	CLOSE	CAS header to TK-120	WR-1		
	262	CLOSE	CAS to TK-120	WG-1		
	322	CLOSE	TK-69 Drain to TK-40 Pump Suction	WP-1		
	336	CLOSE	TK-29 (CAS) to TK-40	WR-1		
	361	CLOSE	CAS to Vacuum Header	WU-1		
	391	CLOSE	TK-29 flush to TK-51 filter	WX-2		
	395	CLOSE	CAS to TK-51 filter	WY-2	N/A	N/A
	434	CLOSE	CAW to MT-6	WD-4	JR	PV
	435	CLOSE	CAW to TK-19 and TK-39	WD-4	JR	P.V.
	465	CLOSE	COP Flush	WG-4	JR	P.V.
	553	CLOSE	CAS to Task I	WV-4	JR	P.V.
	585	CLOSE	CAS to TK-50	WY-4	JR	P.V.
	632	CLOSE	CAS to ED dissolver acid addition	ED-3	JR	P.V.

	633	CLOSE	CAS to EC Dissolver Acid Addition Capped	ED-3		P.V.
	634	CLOSE	CAS to ED dissolver acid feed	EE-3		P.V.
	652	CLOSE	CAS to TK-12-A	EG-4		PV
	732	CLOSE	CAS flush to MT-5 and MT-6	EM-4		P.V.
	755	CLOSE	CAS service to hood	EV-3		P.V.
A.5.c	241	OPEN	TK-29 Block Valve	WD-1	VM	T/S
A.5.d	223	OPEN	CAS to TK-33 Pulse Leg	WD-1	VM	T/S
	436	OPEN	CAS flush to CAW monitor	WE-4	VM	T/S
A.9	223	CLOSE	CAS to TK-33 Pulse Leg	WD-1	VM	T/C
	436	CLOSE	CAS flush to CAW monitor	WE-4	N/A	N/A
TK-19						
B.3	273	CLOSE	To TK-19 Suction (blanked)	WJ-1	VM	T/L
	274	CLOSE	TK-19 Drain Valve addition	WJ-1	VM	T/L
	276	CLOSE	TK-19 Sampler	WJ-1	VM	T/L
	378	CLOSE	Drain to TK-D5	WW-1	N/A	N/A
	474	CLOSE	TK-19 Vacuum to 2nd Floor	WJ-3		P.V.
	250	OPEN	TK-WM1 Block Valve	WE-1	VM	T/L
	252	OPEN	TK-WM1 to TK-D5	WE-1	VM	T/L
	275	OPEN	TK-19 Block Valve	WJ-1	VM	T/L
B.9.c	250	CLOSE	TK-WM1 Block Valve	WE-1	VM	T/L
	252	CLOSE	TK-WM1 to TK-D5	WE-1	VM	T/L
B.10.b	451	CLOSE	CAW to overflow header	WF-3		P.V.
	453	CLOSE	CAW sampler	WF-3		P.V.
	223	OPEN	CAS to TK-33 pulse leg	WD-1	VM	P.V.
	435	OPEN	CAW to TK-19 and TK-39	WD-4		P.V.
	436	OPEN	CAS flush to CAW monitor	WE-4		P.V.
B.11	223	CLOSE	CAS to TK-33 pulse leg	WD-1	N/A	N/A
	435	CLOSE	CAW to TK-19 and TK-39	WD-4		P.V.

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	436	CLOSE	CAS flush to CAW monitor	WE-4	[illegible]	[illegible]
TK-40						
C.3	319	CLOSE	TK-40 Drain Valve	WP-1	NMA	QB
	321	CLOSE	TK-40 Sampler	WP-1	NMA	QB
	329	CLOSE	TK-19 to TK-40	WP-2	NMA	QB
	523	CLOSE	CXP, TK-70 to TK-40	WP-4	[illegible]	[illegible]
	320	OPEN	TK-40 Block Valve	WP-1	NMA	QB
C.8.c	275	CLOSE	TK-19 Block Valve feed	WJ-1	NMA	QB
TK-39						
D.6	241	CLOSE	TK-29 Block Valve	WD-1	N/A	N/A

[illegible] R. Hayley 1-7-93 M.W. GIBSON per TELECON 1-7-93 [illegible]

TK 19 TO TK 39

D.1.a

CLOSE VALVES

273	NMA	QB
274	NMA	QB
276	NMA	QB
474	NMA	QB
378	NMA	QB
290	NMA	QB
291	NMA	QB
292	NMA	QB
489	NMA	QB
329	NMA	QB
252	NMA	QB

OPEN VALVE

275	NMA	QB

OPEN VALVE 291 UPON CONTROL ROOM REQUEST NMA QB

CLOSE VALVE

275	NMA	QB

PFP WORK PLAN PRF	LEAK TEST TKS WM-1, 19, 40, 39	PFP-92-PRF-052 Impact Level 3EQ Page 13 of 15

Attachment 2 - LEAK TEST DATA SHEET
Page 1 of 1

	INITIAL WF	RECIRC START	RECIRC END	FINAL WF	VISUAL EVIDENCE OF TANK SYSTEM LEAK No/Yes	INITIAL
TK-WM1	~~48~~ 47	13 :00	13 :15	47	leaks were identified as repaired	SAS
		:	:			
TK-19	70	11 :08	11 :25	69	pump in housing leak. REPAIRED RRT 2/1/93	J-P
	2-1-93 →	:	:			
TK-40	68	15 : 21	15 : 36	68	~~[illegible]~~ RRT 2-1-93	J-P
		:	:		~~[illegible]~~ RRT 2-1-93	
TK-39	51	2150 : ~~22~~ 12	22 :12	46	None in Canyon	[illegible]

LEAK TESTING OF TANK SYSTEM NO.: _____ HAS BEEN COMPLETED ON _____

INSPECTOR'S NAME: N/A B.W. Stevener BWStevener 2-11-93 see Page ~~att~~ 13A. BWS. 2-11-93.
(Print) (Signature)

NOTES AND DEFICIENCIES/COMMENTS:

1-7-93 Transferred TK 19 T- TK 39, TK 19 WF started at 48, 10 [illegible] ended at 0 WF, TK 39 WF indicated 38 WF at end of Transfer, Numerous leaks were noticed during Transfer. CAS added To TK 39 from TK 29. TK 39 ended at 51 WF. Recirc TK-39 for 22 minutes, 5 WF leaked into glovebox from the Pump

WK Jeu 2/10/93 work plan.

PFP WORK PLAN PRF	LEAK TEST TKS WM-1, 19, 40, 39	PFP-92-PRF-052 Impact Level 3EQ Page 13a of 15

Attachment 2 - LEAK TEST DATA SHEET
Page 1 of 1

	INITIAL WF	RECIRC START	RECIRC END	FINAL WF	VISUAL EVIDENCE OF TANK SYSTEM LEAK No/Yes	INITIAL
TK-WM1	47	13:00	13:15	47	Leaks were repaired	SAS
		:	:			
TK-19	67	18:33	18:45	67	~~No~~ Yes / see comments	TM
		:	:			
TK-40	54	19:26	19:42	~~TK 9 42~~ 54	NO	TM
		:	:			
TK-39	33	21:01	21:24	32	NO	TM

LEAK TESTING OF TANK SYSTEM NO.: _____ HAS BEEN COMPLETED ON _____

INSPECTOR'S NAME: _____
(Print) (Signature)

NOTES AND DEFICIENCIES/COMMENTS:

TK-19 to TK-40	start	Transfer-1850	End-1915	#545
TK-40 to TK-39	start	Transfer-1943	End-1955	#546
TK-19 to TK-40	start	Transfer-2152	End-2205	#549

Leaks TM ~~were~~ was detected during the first TK-19 to TK-40 Transfer. Fitter ~~then~~ TM fixed leak then second transfer from TK-19 to TK-40 was attempted. There were no leaks seen during this transfer. No leaks were observed during any of the other activites.

WM-1 to TK-19: Leak found in WN section 1/2 line. The fitter replaced fittings / tubing needed for repairs.

PFP WORK PLAN PRF	LEAK TEST TKS WM-1, 19, 40, 39	PFP-92-PRF-052 Impact Level 3EQ Page 14 of 15

Attachment 3 - APPROVAL SIGNATURE SHEET
Page 1 of 1

Approval Authority:

PRF Operations Manager — 1/4/93 Date

Work Plan Completed:

Operations Rep — 1-12-93 Date

PIC — N/A — Date

PFP WORK PLAN PRF	LEAK TEST TKS WM-1, 19, 40, 39	PFP-92-PRF-052 Impact Level 3EQ Page 15 of 15

Attachment 4 - REVIEW SIGNATURE SHEET
Page 1 of 1

Prepared by	Eng, PFP Environmental Compliance	12-31-92 Date
Reviewed by	Manager, PFP Environmental Compliance	31 Dec 1992 Date
Reviewed by	PRF Cognizant Engineer	12-31-92 Date
Reviewed by	Environmental Assurance	1-4-93 Date
Reviewed by	A. B. PARULEKAR Quality Assurance	12-31-92 Date
	W B Lewis for MW Gibson Manager Process Control	12-31-92 Date

Attachment 5 - TRANSFER TK 40 AND 39 TO TK WM-1
Page 1 of 1

A. Transfer Solution From TK 40 to TK WM-1

1. Close Valves 249, 251, 319, 321, 322, 329, 336, 361, and 378.

2. Close 19-EMV-A by keying 19-SS-A to OFF.

3. Close 39-EMV-G by keying 39-SS-G to OFF.

4. Open WM1-EMV-A 2-3-93

5. Open 40-EMV-5

6. Open Valves 250, 252 and 320

2-3-93 ~~4.~~ 7. Wait until WF charts on TK 40 and TK WM-1 indicate no solution movement from TK 40 to TK WM-1.

2-3-93 ~~5.~~ 8. Close WM1-EMV-A by keying EMV-WM1-A to OFF.

B. Transfer Solution From TK 40 to TK 39

1. Transfer solution in TK 40 to TK 39 using ZO-180-039, Rev. D-0, ~~Task 6.1-B.~~ 2-3-93

C. Transfer Solution From TK 39 to TK WM-1

1. Open Valves 291, 250 and 252.

2. Open 39-EMV-G by keying 39-SS-G to D-5.

3. Open WM1-EMV-A by keying EMV-WM1A to D-5.

4. Solution should flow from TK 39 to TK WM-1. Wait until WF charts cease to indicate flow; then close WM1-EMV-A by keying EMV-WM1-A to OFF.

5. Close 39-EMV-G by keying 39-SS-G to OFF.

2-3-93 6. Close Valves 291, 250 and 252

2-3-93

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Value Verification for Attachment 5

Step	Valve	Position	LOCATION	Positioner	Verifyer
A.1.	249	CLOSE	1st west	N/A	N/A
	251	CLOSE	1st west		
	319	CLOSE	1st west		
	321	CLOSE	1st west		
	322	CLOSE	1st west		
	329	CLOSE	1st west		
	336	CLOSE	1st west		
	361	CLOSE	1st west		
	378	CLOSE	1st west		
A.6.	250	OPEN	1st West		
	252	OPEN	1st West		
	320	OPEN	1st West		
C.1.	291	OPEN	1st west		
	250	OPEN	1st west		
	252	OPEN	1st west		
C.6.	291	CLOSE	1st west		
	250	CLOSE	1st west		
	252	CLOSE	1st west		RPT

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