

Meeting Minutes Transmittal

PUREX Plant/Storage Tunnels Project Managers Meeting
Federal Building, Room 554
Richland, Washington

April 8, 1997
8:00 a.m. - 9:00 a.m.

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above-dated meeting.

Richard X. Gonzalez Date: 8/12/97
Richard X. Gonzalez, Project Manager, DOE-RL

Robert Julian Date: 8/12/97
Robert Julian, Project Manager, Washington State Department of Ecology

Lucinda L. Grant Date: 8/12/97
Lucinda L. Grant, Washington State Department of Health

Gregory J. LeBaron Date: 12 AUG '97
Gregory J. LeBaron, PUREX Contractor Representative, BWHC

Chris P. Strand Date: 8/12/97
Chris P. Strand, PHMC Representative, FDH

Purpose: Discuss PUREX Deactivation Process

Meeting Minutes are attached. The minutes are comprised of the following:

- Attachment 1 - Agenda
- Attachment 2 - Summary of Discussion and Commitments/Agreements
- Attachment 3 - Attendance List
- Attachment 4 - PUREX Deactivation Status
- Attachment 5 - Vessel End Point Variances



PUREX Plant/Storage Tunnels Project Managers Meeting
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Richland, Washington

April 8, 1997
8:00 a.m. - 9:00 a.m.

- AGENDA -

8:00 AM - 9:00 AM INTRODUCTIONS

APPROVE PAST MEETING MINUTES

STATUS ITEMS

- PUREX Storage Tunnels Part B
- PUREX Pre-Closure Work Plan
- PUREX Transition Status

GENERAL TOPICS

- Additional topics
- Action items
 - Past action items
 - New action items
- Scheduling of next meeting

Attachment 2

**PUREX Plant/Storage Tunnels Project Managers Meeting
Federal Building, Room 554
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**April 8, 1997
8:00 a.m. - 9:00 a.m.**

Summary of Discussion and Commitments/Agreements

INTRODUCTIONS

Ms. D. Korematsu-Olund was introduced as the RFSH guest representative to discuss the PUREX Facility Pre-Closure Work Plan.

APPROVE PAST MEETING MINUTES

The Unit Managers Meeting minutes of 2/04/97 were approved.

STATUS ITEMS

- **PUREX Storage Tunnels Part B**

Mr. C. Strand (RFSH) stated that revisions to the PUREX Storage Tunnels Part B are now complete with the revision scheduled for submittal to Ecology by April 15, 1997. The April 15th date was the result of an extension granted by Ecology from the original submittal date of March 1, 1997.

- **PUREX Pre-Closure Work Plan**

Ms. Korematsu-Olund stated that the last remaining comment on the pre-closure work plan had been resolved to everyone's satisfaction. R. Julian (Ecology) agreed and indicated he would prepare a draft approval letter. Ms. Korematsu-Olund then indicated that the pre-closure work plan would be published and distributed in the near future.

- **PUREX Transition Status**

Mr. G. LeBaron (B&W) provided an update to the PUREX deactivation status (Attachment 4). He stated that only 86 instruments remained to be deactivated and that most of these are associated with the ventilation system and would shutdown with the switchover in power to the facility. He noted that these instruments would largely be replaced by those associated with surveillance and maintenance since a ventilation fan will be left operating.

Mr. LeBaron reported next on the ancillary building deactivation and noted a change in the presentation format. Facilities in

categories III and VI were reported as complete with only 1 or 2 facilities in each of the other categories.

Mr. R. Gonzalez (RL-TPD) asked if the satellite accumulation areas (SAAs) were all closed out. Mr. LeBaron indicated that they had been moved to the less-than-90-day storage areas. Mr. LeBaron indicated that work continues in these areas.

Mr. LeBaron reported next on End Points. He reported over 2,000 have been signed to date. Work is being conducted closely with Bechtel Hanford Inc (BHI) to identify "punch list" end points. Ms. L. Grant (DOH) asked Mr. LeBaron what he meant by "punch list". Mr. LeBaron explained that a "punch list" consisted of those items remaining to be completed after deactivation. Mr. R. Rogers (RL-TPD) provided clarification in that these items will be completed between the period of May 1, 1997 through October 1, 1997. Mr. Julian asked if there were going to be two separate "punch lists", one for deactivation and one for turnover. Mr. Rogers indicated that there was no intention of having two "punch lists" at this time, but there is the possibility. It is hoped that all of the remaining items will be completed prior to October 1, 1997, which will eliminate the need for a second turnover "punch list".

Mr. LeBaron next reported on a number of other accomplishments. Removal of excess mobile trailers at PUREX has been completed. The procedure for the S&M period has been issued along with the draft S&M plan having been issued for comment. All remaining continuous air monitors have been removed from the 202-A Building. Surveillance lighting has been walked down, diversion basin cover blocks have been sealed, and efforts continue to relocate staff. Mr. Julian asked for clarification as to which company the S&M procedures applied and to which company the draft S&M plan applied. Mr. LeBaron replied that the procedures applied to B&W and the draft S&M plan applied to BHI.

GENERAL TOPICS

- **Additional Topics**

Mr. LeBaron noted that there have been some changes to end points. He provided a Vessel End Point Variances handout. Mr. Julian indicated that this variance information partially fulfilled a TPA endpoint update requirement.

Ms. Grant asked if there was only one stack that remained operating at the facility. Mr. LeBaron confirmed this and added that all of the rest have been blanked and capped. Ms. Grant

stated that she was not aware if the DOH had received written notification of this status.

Mr. LeBaron explained that activities to be conducted during the May 1, 1997 through October 1, 1997 time frame were characteristic of S&M but that S&M did not officially begin until BHI assumes management responsibilities October 1st. Mr. Rogers added that emphasis is being placed on assessments during this final effort to ensure commitments have been met.

Mr. LeBaron provided a final report that the Pu inventory has been removed from the books. Mr. Julian indicated he would like to include this information in his monthly report. There were no objections.

- **Action Items**

- Past Action Items.

- 2/04/97:1 Mr. G. Robinson (BHI) took the action to provide a status on the S&M plan for EM-40 at the last project managers meeting. This action item was completed with Mr. Robinson explaining changes being made to procedures and training.

- 2.04/97:2 Mr. LeBaron took the action to provide a status on the S&M plan for EM-60 at the last project managers meeting. This action item was closed through information Mr. LeBaron provided in the transition status presentation.

- New Action Items.

There were no new action items.

- **Scheduling of Next Meeting**

The next meeting was scheduled for the morning of August 12, 1997. All attendees agreed to a final meeting, tentatively scheduled for September 23, 1997.

Attachment 3

PUREX Plant/Storage Tunnels Project Managers Meeting
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Richland, Washington

April 8, 1997
8:00 a.m. - 9:00 a.m.

Attendance List

NAME	ORGANIZATION	PHONE #
Chris Strand	RFSH	376-8556
Stephanie Johansen	GSSC - Dames & Moore	376-5960
Bob Julian	Ecology	736-5702
Cindy Grant	Wa. DOH	206-464-6206
Rick Gonzalez	RL-TPD	373-9922
Greg LeBaron	B&WHC	373-1792
Gary Robinson	BHI	372-9221
Mike Stephenson	FDH	376-3870
John Sands	RL-AME	372-2282
Ellen Mattlin	RL-EAP	376-2385
Dorothy Korematsu-Olund	RFSH	376-2628
Loren Rogers	RL-TPD	373-9560

Attachment 4

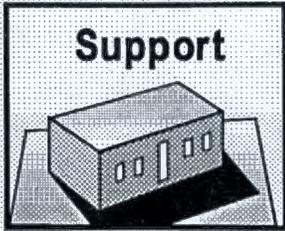
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PUREX DEACTIVATION STATUS

PUREX Transition Project Status

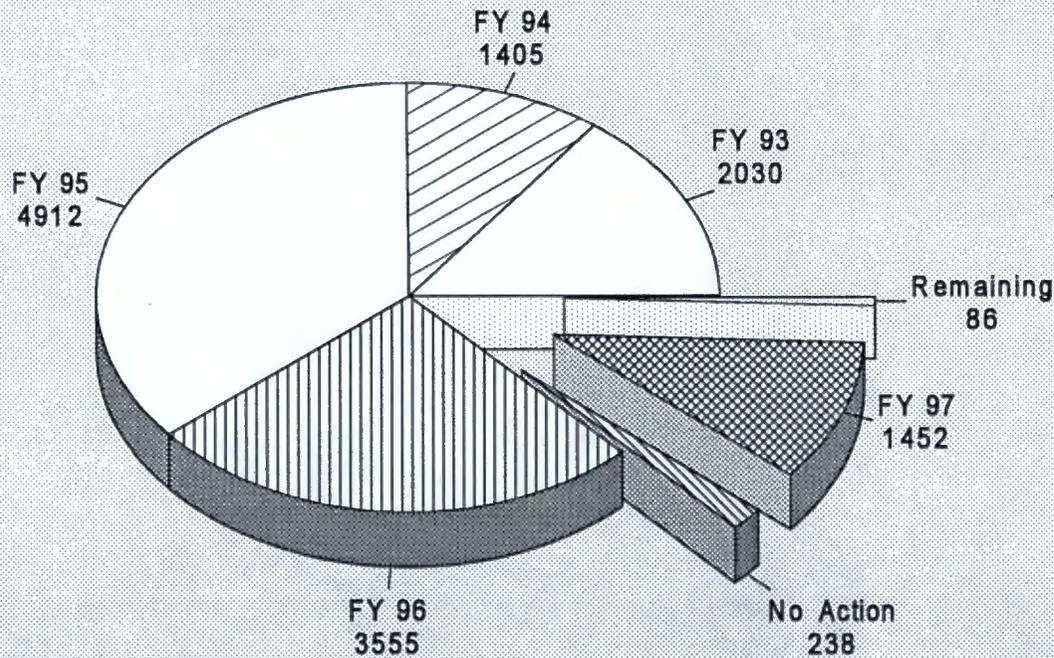
8 Apr 1997



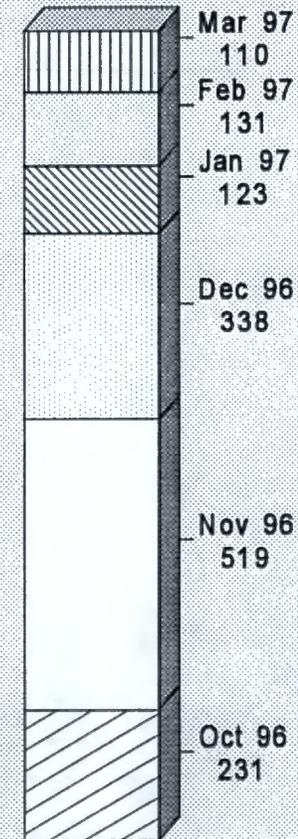
Instrument Deactivation

◆ 13,678 Instruments Identified ◆

Project to Date Instruments Deactivated



Instruments Deactivated FY 97





PUREX Ancillary Building Deactivation

Summary Schedule Status

11 Jul 94
1 Aug 94



18 Jun 97
Offline schedule closed out
31 Mar 97

Category I (Radiological and Chemical Concerns)		
203-A		<input type="checkbox"/>
206-A	Fractionator	<input type="checkbox"/>
212-A	Load Out	<input type="checkbox"/>
291-AH	Sample Shack	<input checked="" type="checkbox"/>
291-AD	Ammonia Off Gas Building	<input type="checkbox"/>
294-A	Instrument Shack	<input type="checkbox"/>
U-Cell		<input type="checkbox"/>
R-Cell		<input type="checkbox"/>
293-A	Dissolver Off Gas Building	<input type="checkbox"/>

Category II (Chemical Concerns Only)		
211-A	Cold Chemical Storage	<input type="checkbox"/>
202-A-1	Storage Units #1 and #2	<input checked="" type="checkbox"/>
214-A	Misc. Storage/90 Day Pad	<input type="checkbox"/>
2714-A	Dry Chemical Storage	<input type="checkbox"/>
281-A	Emergency Generators	<input checked="" type="checkbox"/>
Maintenance Storage Units		
SMSU Storage 09		<input type="checkbox"/>
P008		<input type="checkbox"/>
P009		<input type="checkbox"/>
P010		<input type="checkbox"/>
P011		<input type="checkbox"/>
P012		<input type="checkbox"/>

Category III (Radiological Concerns Only)		
#1 Tunnel Door Building		<input type="checkbox"/>
#2 Tunnel Door Building		<input type="checkbox"/>
151	Diversion Box	<input type="checkbox"/>
202-A	Pump Pits (6-10)	<input type="checkbox"/>
202-A	South Change Trailer	<input type="checkbox"/>
213-A	Regular Maintenance Shop	<input checked="" type="checkbox"/>
2711-A-1	N Cell Dry Air	<input type="checkbox"/>
2712-A	Plant Vacuum Pumps	<input type="checkbox"/>
302-A	Catch Tank Risers	<input type="checkbox"/>
C Cell Airlock		<input type="checkbox"/>
F Cell Airlock		<input type="checkbox"/>
MO-332, 203-A	Change Trailer #2	<input type="checkbox"/>
PR Dock Storage Boxes #1 and #2		<input checked="" type="checkbox"/>
Railroad Cut Pedestrian Change Trailer		<input type="checkbox"/>
Railroad Cut Storage Shed		<input type="checkbox"/>
Railroad Cut Change Trailer		<input type="checkbox"/>

Category IV (Liquid Effluents)		
295-A	ASD	<input type="checkbox"/>
295-AA	SCD	<input type="checkbox"/>
295-AB	PDD (OLD)	<input type="checkbox"/>
295-AC	Chemical Sewer	<input type="checkbox"/>
295-AD	CWL Shack	<input type="checkbox"/>
295-AD	CWL Pit	<input type="checkbox"/>
295-AE	PDD (new)	<input type="checkbox"/>

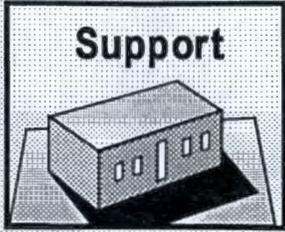
Category V (Gaseous Effluents)		
292-AA	PR Sample Shack	<input type="checkbox"/>
296-A-1	Filter Boxes (PR)	<input type="checkbox"/>
296-A-2	Sample Shack/Filter Box (EHW)	<input type="checkbox"/>
296-A-3	Sample Shack/Filter Box (EHE)	<input type="checkbox"/>
296-A-5A	Sample Shack/Filter Box (ELW)	<input type="checkbox"/>
296-A-5B	Sample Shack/Filter Box (ELE)	<input type="checkbox"/>
296-A-6	Sample Shack/Filter Box (EGE)	<input type="checkbox"/>
296-A-7	Sample Shack/Filter Box (EGW)	<input type="checkbox"/>
296-A-8	Sample Shack/Filter Box (EW)	<input type="checkbox"/>
296-A-10	Sample Shack/Filter Box (ET)	<input type="checkbox"/>
296-A-14	Sample Shack/Filter Box (EB)	<input type="checkbox"/>
296-A-24	Sample Shack/Filter Box (EN)	<input type="checkbox"/>

Category VI (Clean Areas)		
206-A	Heating Tower	<input type="checkbox"/>
206-A	Instrument Enclosure #1	<input type="checkbox"/>
206-A	Instrument Enclosure #2	<input type="checkbox"/>
214-B/C/D	Misc. Storage/90 Day Pad	<input checked="" type="checkbox"/>
271-AB		<input type="checkbox"/>
2701-A	Badge House	<input type="checkbox"/>
MO-023		<input type="checkbox"/>
MO-035		<input type="checkbox"/>
MO-323		<input type="checkbox"/>
MO-409		<input type="checkbox"/>
MO-606		<input type="checkbox"/>
MO-707		<input type="checkbox"/>
R Cell Heating Tower		<input type="checkbox"/>
West PRV Steam Station		<input type="checkbox"/>

Category VII (Operable)		
291-AB	Sample Shack	<input checked="" type="checkbox"/>
291-AC	Instrument Shack	<input type="checkbox"/>
291-AE	4th Filter Building	<input checked="" type="checkbox"/>
291-AG	Instrument Shack	<input type="checkbox"/>
291-AJ	Instrument Shack	<input type="checkbox"/>
292-AB	Main Stack Building	<input checked="" type="checkbox"/>

Legend

○ = COMPLETE ⊗ = IN PROGRESS ◐ = REMAINING

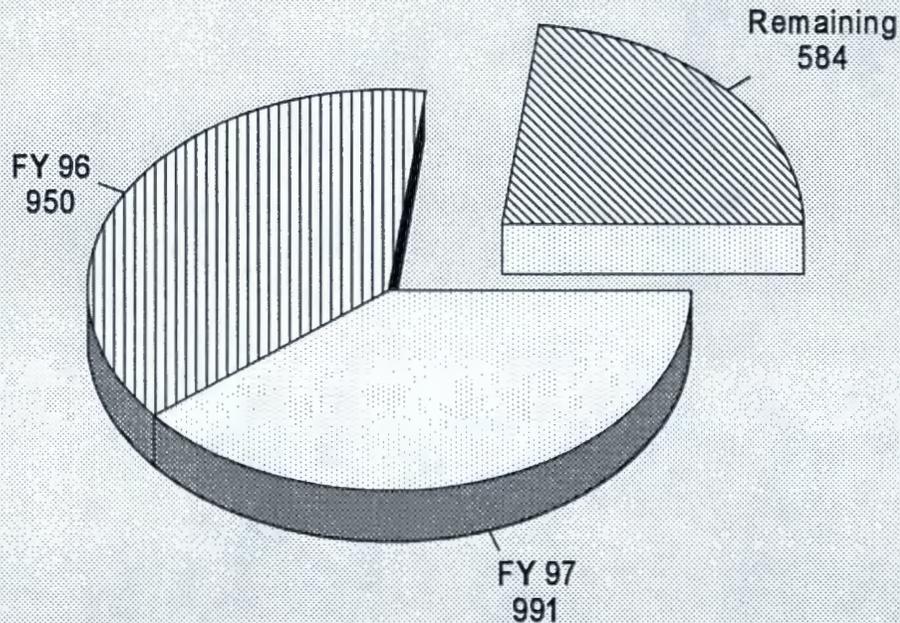


Turnover Team

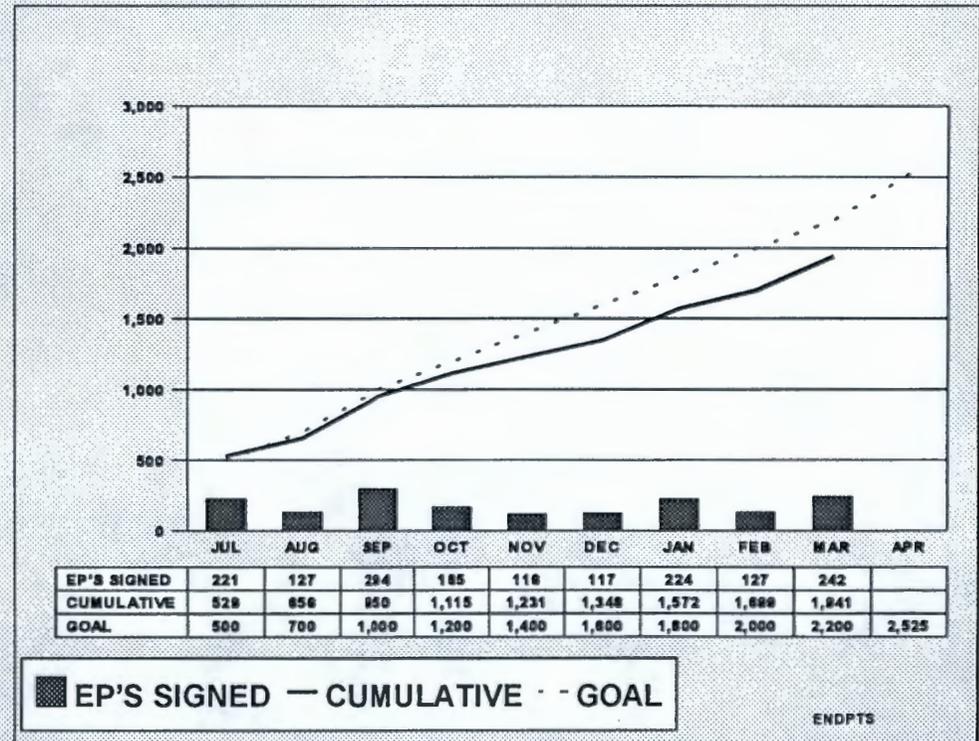
2525 End Points Identified

Note: All end points are not created equal.

Project to Date End Points Signed



END POINTS SIGNED



Other Accomplishments

- Completed removal of PUREX mobile trailers
- Issue procedure for S&M period
- Completed S&M Plan Draft - out for comments
- Removed remaining CAMs from 202A

Other Accomplishments (contd.)

- Walked down surveillance lighting
- Sealed diversion basin cover blocks
- Developing punch list items
- Continue to relocate people

Attachment 5

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VESSEL END POINT VARIANCES

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The manner in which the vessels at PUREX were to be deactivated was identified in the end point document. In several instances, actions to deactivate vessels deviated from what was stated in the document. Those differences are identified in the following table; the table shows what was put into the end point document and what was actually done. All the vessels for which the stated end point was deviated from were process (product) vessels; none of those vessels were used to store or treat waste, and none of the vessels are identified in the PUREX Part A permit. When a vessel is removed, any residual materials will have to be addressed at that time, and waste associated with the removal will have to be designated and handled according to the regulations.

VESSEL ID	PAGE	LOCATION	END POINT	END POINT VARIANCE	COMMENTS
Tk-21	176	211-A	WHC Sample Analysis 2 < pH < 12.5 Empty ¹	Void of solution (Empty ²)	Visual inspection of the tank heel shows 75% of the floor surface area is dry. There is puddling on the remainder, but is too small to sample. The tank is considered empty, void of solution.
Tk-32	176	211-A	WHC Sample Analysis 2 < pH < 12.5 Empty ¹	Void of solution (Empty ²)	Visual inspection of the tank heel shows a very small heel - not enough to sample. The tank was triple rinsed during flushing activities and is considered empty, void of solution.
TK-150 TK-152 TK-153 TK-155	395 395 395 395	AMU AMU AMU AMU	WHC Sample Analysis 2 < pH < 12.5 Empty ¹	Void of solution (Empty ²)	Tk's 150, 152, 153 and 155 are bottom outlet tanks visually verified as empty, void of solution. No samples were taken.
TK-41	176	211-A	WHC Sample Analysis TBP < 10 wt. % Empty ¹	Essentially void of solution - unable to sample	Tk-41 was emptied but not flushed or sampled. It is a bottom empty tank and visual inspections of other similar tanks revealed the tank is empty except for some occasional puddling on the bottom.

Empty¹ - Minimum heel
Empty² - Void of solution

VESSEL END POINT VARIANCES

VESSEL ID	PAGE	LOCATION	END POINT	END POINT VARIANCE	COMMENTS
TK-112 TK-151	395 395	AMU AMU	WHC Sample Analysis 2 < pH < 12.5 Cd < 1 ppm Empty ¹	Void of solution (Empty ²)	Tks 112 and 151 are bottom outlet tanks visually verified as empty, void of solution. No samples were taken.
TK-202-A-417	839	SCD	Empty ²	Pumping limitations (Empty ¹ minimum heel)	This is a steam condensate (water) collection tank and would not contain dangerous materials.
TK-L9 TK-L11	715 715	PR ROOM PR ROOM	Empty ²	Vacuum transfer limitation of .1 liter (Empty ¹)	Tks L9 and L11 could not be emptied completely - a very small heel was left (~0.1 l). These vessels should have been shown as "Empty ¹ " in the first version of the end point document.
TK-302-A	97	STACK	WHC Sample Analysis 2 < pH < 12.5 Cd < 1 ppm Cr < 5 ppm Empty ¹	Tank Farms permitted vessel. Minimum heel status.	This is a permitted vessel that belongs to Tank Farms and will continue to be an active vessel. This vessel is not a PUREX vessel and should not have been placed in the PUREX end point document.
T-J4	449	CANYON	WHC Sample Analysis 2 < pH < 12.5 Cd < 1 ppm Cr < 5 ppm Empty ¹	50 gallon heel due to equipment failure. Part of L-Cell flushing sequence.	T-J4 was part of the L-Cell flush loop and, therefore, the final flush was sampled and the flush solution did not designate as dangerous. The vessel was emptied as far as possible until there was an equipment failure, leaving about 50 gallons in the column.

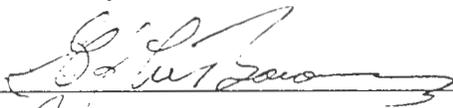
Empty¹ - Minimum heel
Empty² - Void of solution

VESSEL END POINT VARIANCES

VESSEL ID	PAGE	LOCATION	END POINT	END POINT VARIANCE	COMMENTS
TK-L9A TK-N38	900 900	WHITE RM WHITE RM	WHC Sample Analysis 2 < pH < 12.5 Cd < 1 ppm Cr < 5 ppm Empty ¹	Void of solution (Empty ²)	Tks L9A and N38 are bottom drain tanks that were allowed to drain empty. Tank design prevented visual inspection. These tanks are small volume tanks of 82 and 50 liter capacity. The design would promote complete drainage by the bottom outlet valve. The tanks are considered empty, void of solution. No samples were taken.
TK-Q5 TK-Q8	754 754	Q CELL Q CELL	WHC Sample Analysis 2 < pH < 12.5 Cr < 5 ppm Empty ¹	(As previously submitted) Mass balance calculations used to verify pH & Cr	The tanks could not be sampled (no sampling capabilities). It was demonstrated, using mass balance calculations on samples in other vessels, that the sample criteria were met.

The following signatures document concurrence to the End Point variances identified in the above table:

PUREX Environmental Compliance Officer



Date 8 Apr '97

Department of Ecology



Date 4/9/97

Empty¹ - Minimum heel
Empty² - Void of solution

Distribution:

R. W. Bailey	BWHC	S6-15*
R. C. Bowman	RFSH	H6-24*
R. C. Brunke	FDH	H6-21*
R. M. Carosino	RL	A4-52*
M. Ciminera	GSSC	B1-42*
C. E. Clark	RL	A5-15
M. W. Cline	RFSH	H6-24*
A. W. Conklin	WDOH	**
R. X. Gonzalez	RL	R3-79
L. L. Grant	WDOH	**
E. M. Greager	RFSH	H6-36*
J. P. Hayfield	BWHC	S5-15*
M. N. Jaraysi	Ecology	B5-18**
W. G. Jasen	BWHC	S6-17*
R. J. Julian	Ecology	B5-18**
R. C. King	Ecology	Lacey**
P. J. Krupin	RL	A5-15*
G. J. LeBaron	BWHC	S6-19
J. J. Luke	RFSH	H6-25*
E. M. Mattlin	RL	A5-15
J. E. Mecca	RL	R3-79*
M. R. Morton	BHI	X5-53*
S. M. Price	FDH	H6-23*
J. E. Rasmussen	RL	A5-15*
G. S. Robinson	BHI	H0-18*
L. E. Rogers	RL	R3-79
F. A. Ruck III	FDH	H6-22*
J. P. Sands	RL	H0-12*
M. J. Stephenson	FDH	H6-22*
C. P. Strand	RFSH	H6-24
W. E. Toebe	FDH	H6-22*
B. D. Williamson	FDH	B3-15*
RCRA Files/LB	RFSH	H6-23

*cc:Mail

ADMINISTRATIVE RECORD: PUREX, TS-2-6 [Care of EDMC, (H6-08)]

Washington State Department of Ecology Nuclear and Mixed Waste Hanford Files,
P.O. Box 47600, Olympia, Washington 98504-7600

Environmental Protection Agency Region 10, Seattle, Washington 98101, Mail
Stop HW-070 (Records Center)

Please send comments on distribution list to C. P. Strand, FDH (H6-24),
(509) 376-8556